T22

The Collection

TARGETTI

TARGETTI

Index

Chapter		Page
01	**We are Targetti**	**16**
02	**Indoor Collection**	
	Downlight	**74**
	Projectors	**208**
	Systems	**334**
	Ceiling, Suspensions and Wall	**460**
03	**Outdoor Collection**	
	Inground	**546**
	Projectors	**646**
	Wall recessed luminaires	**734**
	Ceiling and Wall	**758**
	Bollards	**786**
04	**Light Management System**	**802**
05	**Technical data**	**826**

Indoor

New product
Line Extension
New Performances
New Accessory

Downlight

Fixed downlights

76
LOGICO SA
Recessed
Opal/UGR/WW

76
LOGICO SA
Recessed+flange
Opal/UGR/WW

92
CCTEvo
Downlight
UGR/VWF Ø 214mm

92
CCTEvo
Downlight
UGR/VWF Ø 160mm

92
CCTEvo
Downlight
UGR/VWF Ø 105mm

92
CCTEvo
Downlight
Ø 78mm

92
CCTEvo
Downlight
Ø 58mm

106
CCTEvo
Wall Washer
Ø 160mm

106
CCTEvo
Wall Washer
Ø 105mm

106
CCTEvo
Wall Washer
Ø 78mm

154
OZ Stand Alone
Recessed
Small 1x

154
OZ Stand Alone
Recessed
Small 3x

154
OZ Stand Alone
Recessed
Small 5x

154
OZ Stand Alone
Recessed
Large 1x

154
OZ Stand Alone
Recessed
Large 3x

154
OZ Stand Alone
Recessed
Large 5x

154
OZ Stand Alone
Trimless
Small 1x

154
OZ Stand Alone
Trimless
Small 3x

154
OZ Stand Alone
Trimless
Small 5x

154
OZ Stand Alone
Trimless
Large 1x

154
OZ Stand Alone
Trimless
Large 3x

154
OZ Stand Alone
Trimless
Large 5x

478
THREESIXTY
Ø384mm
Opal/UGR/HALO

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Halo

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo

196
T-PANEL
60x60

196
T-PANEL
30x120

200
BEBOP

204
OTTO
Semi-Recessed

Online
CCTLED
Downlight

Adjustable downlights

116
CCTEvo
Architectural
Ø 160mm

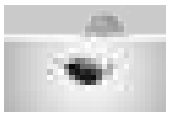
116
CCTEvo
Architectural
Ø 105mm

116
CCTEvo
Architectural
Ø 78mm

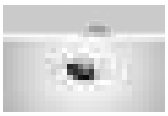
116
CCTEvo
Architectural
Ø 58mm

134
CCTEvo
Extractable
Ø 162mm

134
CCTEvo
Extractable
Ø 125mm



146
CCTEvo
Gimbal
Ø 125mm



146
CCT EVO
Gimbal
Ø 105mm

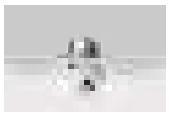
174
STORE Gimbal

174
STORE Gimbal
Mini

190
ZENO Small
Extractable

204
OTTO
Recessed
Extractable

Online
CCTLED
Architectural



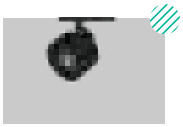
Online
CLOUD

New product
Line Extension
New Performances
New Accessory

Projectors

Track projectors

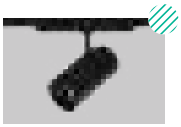
210
ZENO Large
Ø 184mm



210
ZENO Medium
Ø 134mm

210
ZENO Medium Zoom
Ø 134mm

210
ZENO Small
Ø 105mm



236
LABEL 9
Ø 87mm

236
LABEL 7
Ø 74mm

236
LABEL 6
Ø 59mm

248
CAPSULE 7
Ø 70mm

248
CAPSULE 6
Ø 60mm

252
STORE
Ø 93mm

252
STORE
Mini
Ø 75mm

264
LEDÒ

264
LEDÒ
Tunable

272
RAY
Ø 144mm

272
RAY
Mini
Ø 115mm

272
RAY
Micro
Ø 76mm

Tracks

282

EUROSTANDARD
Plus

Surface projectors

292
JEDI
Compact IP40

528
ZENO Applique
Large
Ø 184mm

528
ZENO Applique
Medium
Ø 134mm

302
VOLTA

308
CORO
Large
Ø 119mm

308
CORO
Small
Ø 82mm

328
OTTO
Ceiling

328
OTTO
Multi-Optic

Systems

48V Lighting Systems

336
OZ
Power Track

336
OZ
Single module
Small Fixed

336
OZ
Single module
Small Adjustable

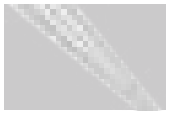
336
OZ
Single module
Large Fixed

336
OZ
Single module
Large Adjustable

336
OZ
Multiple Module
Small 5x

336
OZ
Multiple Module
Large 3x

336
OZ
Module Linear



336
OZ
Recessed profile
for Power Track

336
OZ
Recessed profile
Small/Large

336
OZ
Ceiling/ Suspen-
sion installation
profile Small/
Large

376
FORTYEIGHT
H section
track Ceiling/
Suspension

376
FORTYEIGHT
Track Trimless
Recessed

376
FORTYEIGHT
Track Trimless
Deep Recessed

376
FORTYEIGHT
Logico 30

376
FORTYEIGHT
Label 7
Ø74mm

376
FORTYEIGHT
Label 6
Ø59mm

376
FORTYEIGHT
Label 4
Ø40mm

376
FORTYEIGHT
Label 2
Ø23mm

230V Lighting Systems

400
LOGICO System
Ceiling/ Suspen-
sion Continuous
Light module

400
LOGICO System
Ceiling/
Suspension
Projector module

400
LOGICO System
Ceiling/
Suspension
Spot module

400
LOGICO System
Trimless Recessed
Continuous light
module

400
LOGICO System
Trimless Recessed
Projector module

400
LOGICO System
Trimless Recessed
Spot module

400
LOGICO System
Recessed
with flange
Continuous
Light module

400
LOGICO System
Recessed
with flange
Projector
module

400
LOGICO System
Recessed
with flange
Spot module

Ceiling, Suspensions and Wall

Ceiling luminaires

462
OZ Stand Alone
Ceiling Large 3x

462
OZ Stand Alone
Ceiling Large 5x

470
LOGICO SA
Ceiling/
Suspension
Opal/UGR/WW

478
THREESIXTY
Ø384mm
Opal/UGR/Halo

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Halo

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo

512
CCTLED
Tube Smart

512
CCTLED
Tube Tech

512
CCTLED
Tube Feel

524
BEBOP
Ceiling

538
OSIRIDE
Ø 200mm

538
OSIRIDE
Ø 260mm

538
OSIRIDE
Ø 320mm

538
OSIRIDE
Ø 400mm

538
OSIRIDE
Ø 500mm

542
PROFESSIONAL
120x220

542
PROFESSIONAL
235X235mm

542
PROFESSIONAL
275X275mm

542
PROFESSIONAL
350X350mm

Pendant luminaires

486
ISO

492
OMEGA

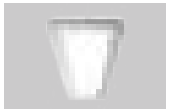
458
LOGICO SA
Ceiling/
Suspension
Opal/UGR/WW

478
THREESIXTY
Ø384mm
Opal/UGR/Halo

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Halo

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo



502
CARTESIO

506
SLIM Line

510
CCTLED
Pendant

512
CCTLED
Tube Smart

512
CCTLED
Tube Tech

512
CCTLED
Tube Feel

524
BEBOP
Suspension

526
GLOBO

Wall mounted luminaires

496
OMEGA
Applique

528
ZENO
Applique Large
Ø 184mm

528
ZENO Applique
Medium
Ø 134mm

532
FLOOD

534
HALL

512
CCTLED
Tube Smart

512
CCTLED
Tube Tech

512
CCTLED
Tube Feel

536
SLIM
Wall

538
OSIRIDE
Ø 200mm

538
OSIRIDE
Ø 260mm

538
OSIRIDE
Ø 320mm

538
OSIRIDE
Ø 400mm

538
OSIRIDE
Ø 500mm

542
PROFESSIONAL
120x220

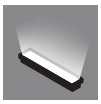
542
PROFESSIONAL
235X235mm

542
PROFESSIONAL
275X275mm

542
PROFESSIONAL
350X350mm

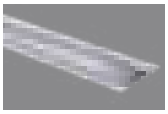
Outdoor

New product
Line Extension
New Performances
New Accessory

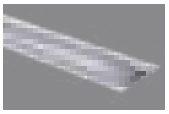


Inground

Linear in-ground luminaires



548
JEDI



548
JEDI RGBW

562
JEDI Compact
IP67

574
MERCURE
Light-line

578
MINIMERCURE
LED - RGB

578
MICROMERCURE

Circular in-ground luminaires

586
KEPLERO
Zoom

586
KEPLERO
Zoom RGBW

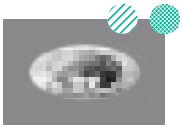
586
KEPLERO
Gimbal

586
KEPLERO
Gimbal HP

586
KEPLERO
WW

586
KEPLERO
WW RGBW

586
KEPLERO
Mini Zoom



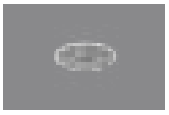
586
KEPLERO
Mini Gimbal

586
KEPLERO
Mini HE

586
KEPLERO
Mini HE RGBW

586
KEPLERO
Mini WW

626
JUPITER
Ø 80mm



626
JUPITER
Mini
Ø 50mm

636
LED.Y
Multiled
Ø60mm Ø68mm

636
LED.Y
Monoled
Ø 63mm

636
LED.Y
Monoled RGB
Ø 63mm

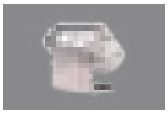
644
TITANO

Projectors

648
JEDI

648
JEDI RGBW

662
JEDI Compact
IP67



302
VOLTA

680
DART Maxi
214x214mm

680
DART Medium
134x134mm

680
DART Medium
RGBW
134x134mm

680
DART Small
Integrated driver
76x76mm

680
DART Small
Remote driver
76x76mm

702
PYROS
Ø 186mm

702
PYROS
RGBW
Ø 186mm

702
NANO PYROS
Ø 107mm

702
NANO PYROS
RGB
Ø 107mm

702
PICO PYROS
Ø 45mm

716
JUPITER PRO
Ø 50mm

716
JUPITER PRO
Small
Ø 40mm

716
JUPITER Mini
Ø 38mm

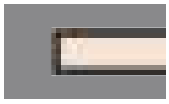
730
LED.Y
Ø50mm

730
LED.Y
RGB
Ø 50mm

Wall recessed

738
ZEDGE PRO

744
ZEDGE
Line



744
ZEDGE
Line Opal

752
ZEDGE

New product
Line Extension
New Performances
New Accessory

Ceiling and Wall

Ceiling luminaires

772
STILO

784
HOCKEY
Ceiling

Wall mounted luminaires

760
MR SMITH

760
MRS SMITH

768
FEBO EVO

772
STILO WALL
FLAT

772
STILO WALL
STRAIGHT

784
HOCKEY
Wall

738
ZEDGE PRO

744
ZEDGE
Line

744
ZEDGE
Line Opal

Bollards

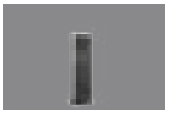
788
MR. BO
H 400mm

788
MR. BO
H 800mm

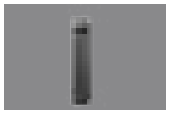
788
MR. BO
H 1000mm

796
ZEDGE
Bollard
H 400mm

738
ZEDGE PRO
Bollard
H 400mm



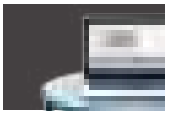
738
ZEDGE PRO
Bollard
H 800mm



738
ZEDGE PRO
Bollard
H 1000mm

Light Management System

806
TARGETTI CONTROL



818
DMX SYSTEM

The Group

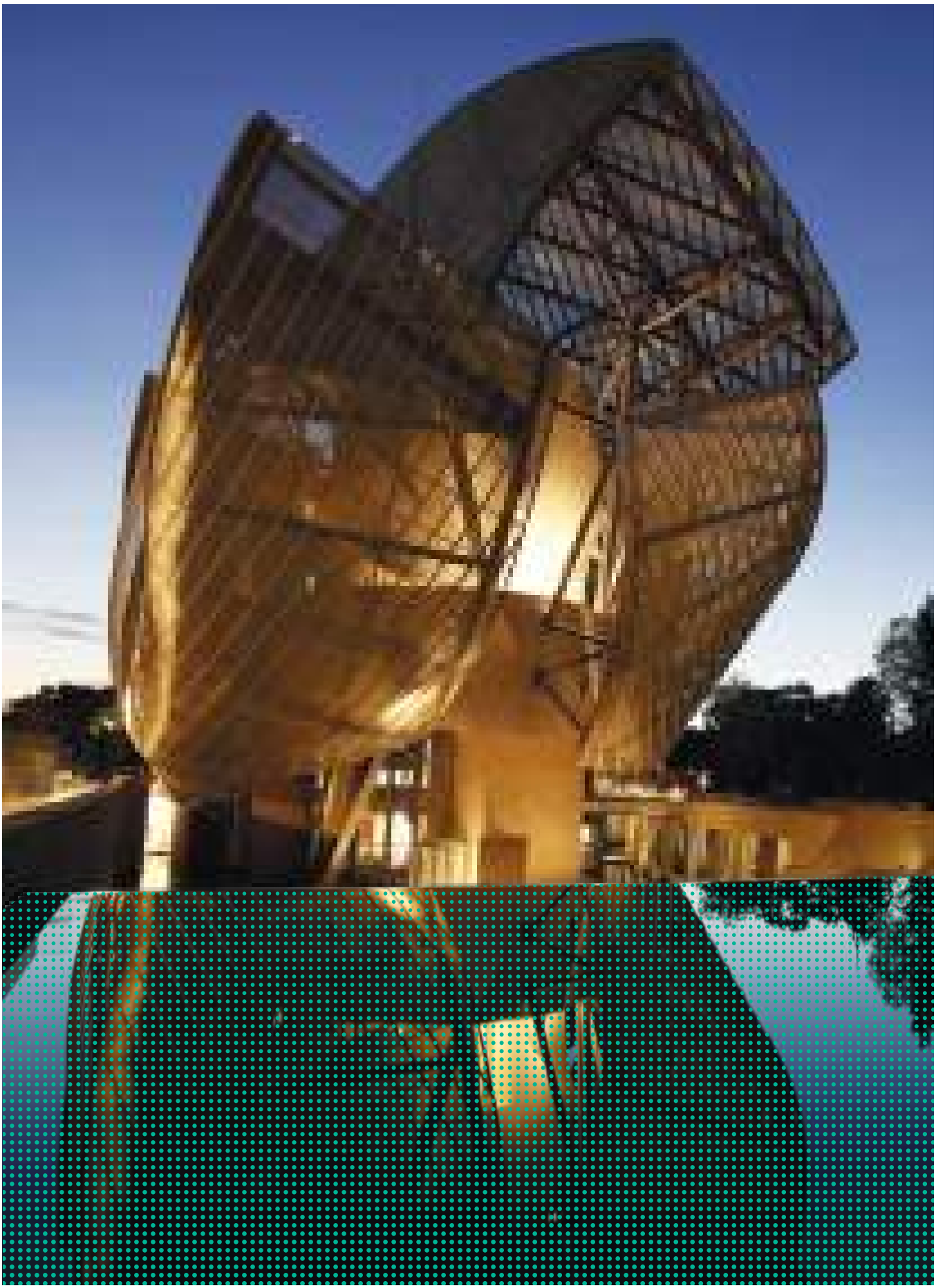
3F Filippi and Targetti, two companies that have shaped the history of lighting in Italy are now a cohesive Group acting as sole partner for lighting professionals and designers looking for quality solutions.

With extensive experience and the combination of their respective expertise in technical and architectural lighting the two brands together provide a complete portfolio of products that proudly bringMade in Italy to more than 50 countries worldwide.
Today the 3F Filippi-Targetti Group can meet and satisfy any kind of design and project requirements. Our partners can choose from a huge selection of products and solutions; from high-tech and functional products from the 3F Filippi catalogue to indoor and outdoor architectural lighting fixtures designed by Targetti, right up to a wide range of LED lamps and fixtures from the Duralamp brand.

We are Targetti

We started in Florence in 1928 and since then we have been designing and creating architectural light fixtures that we export all over the world. Our approach to “light” is profoundly influenced by the links we have with our city.

The unique architectural artistic heritage that surrounds us deeply inspires our ideas, tastes, and creativity and makes us aware of the skills and respect necessary to light architecture.



Us and light

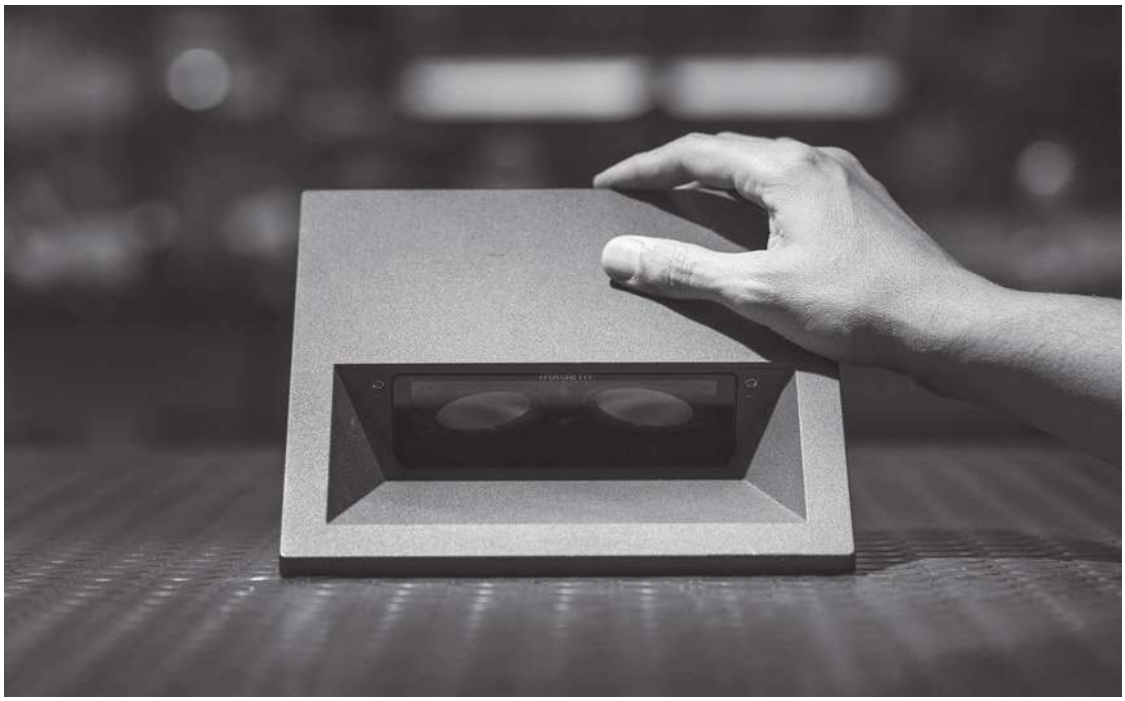
To us light is technical refinement and scientific precision as well as feelings, atmosphere and the possibility to adorn space with emotions and to positively influence the well-being of mankind.

Dialogue is at the heart of our work

Working with light implies a multidisciplinary approach and dialogue between the various players for a common goal: the best results for every project.

We provide our customers with the experience and skills we have acquired in almost a century of working in the industry. We do this through dialogue and support at every stage of the journey, paving the way to sharing and listening while respecting reciprocal roles.

The ideas behind our products

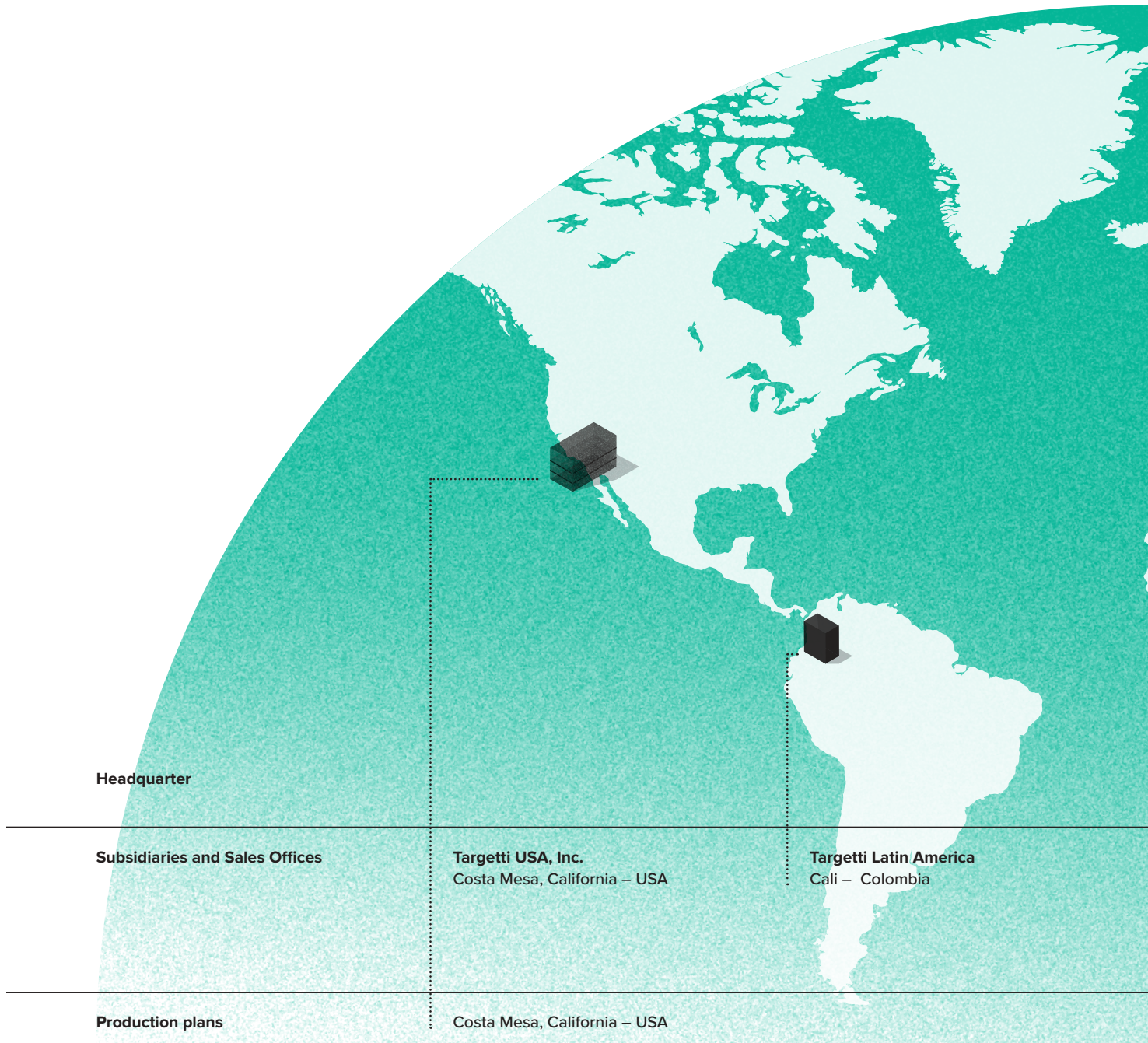


Handcrafted care, attention to details, intuition and an accurate search for the best technical solutions are the factors that make our products recognisable expressions of Made in Italy.

Every one of our fixtures is the result of our desire to equip lighting designers with tools that are able to give shape to their ideas. Every stage of product development from concept design to scale production takes place in our plants. The ability to interpret light intelligently is the expression of Targetti style.

Worldwide

We are an international team with identity, culture and different skills united by a common language: light.

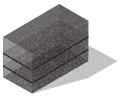


Headquarter

Subsidiaries and Sales Offices	**Targetti USA, Inc.** Costa Mesa, California – USA	**Targetti Latin America** Cali – Colombia
Production plans	Costa Mesa, California – USA	

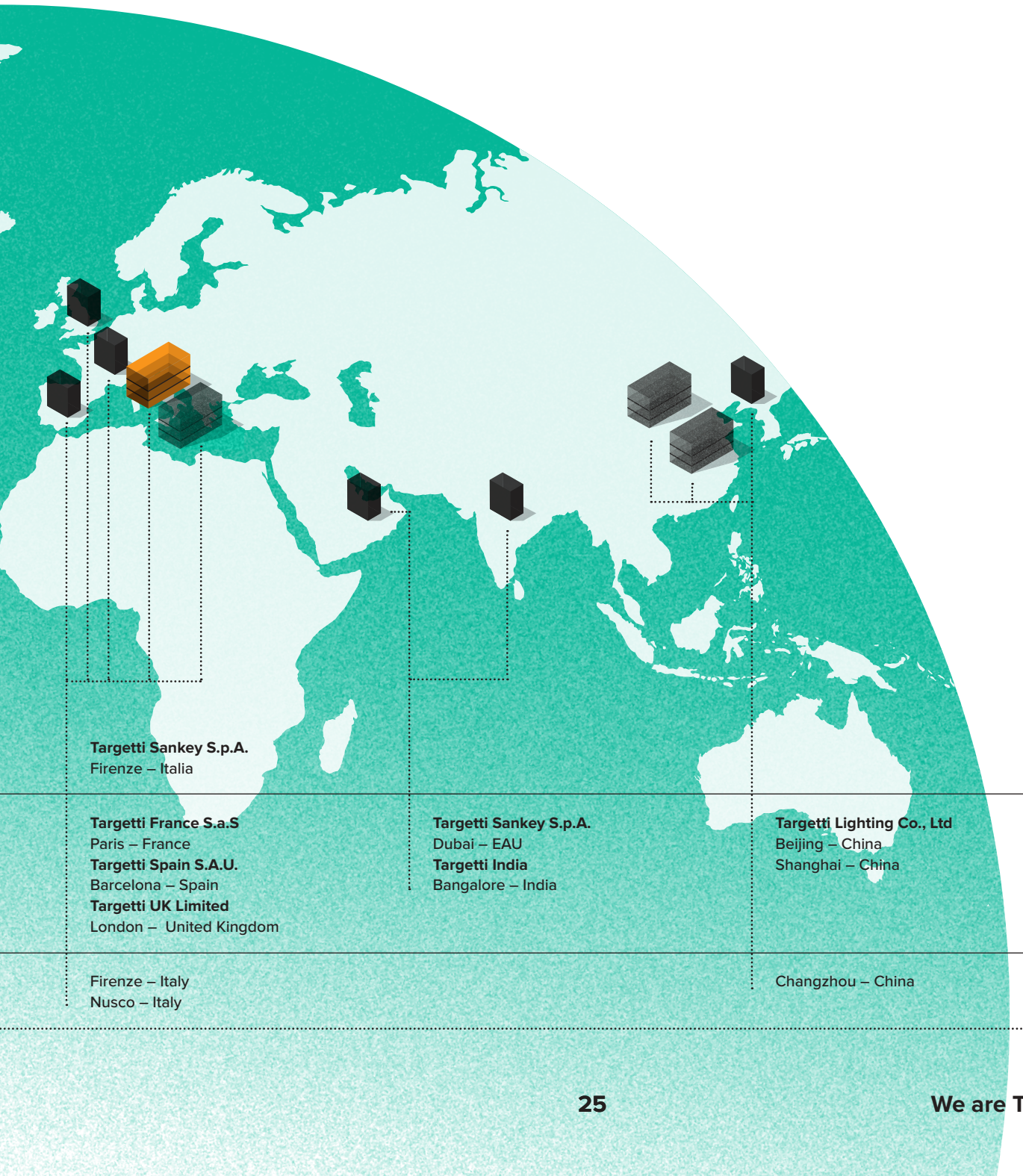
Legend

Headquarter



Production plan

Subsidiary



Targetti Sankey S.p.A.
Firenze – Italia

Targetti France S.a.S
Paris – France
Targetti Spain S.A.U.
Barcelona – Spain
Targetti UK Limited
London – United Kingdom

Targetti Sankey S.p.A.
Dubai – EAU
Targetti India
Bangalore – India

Targetti Lighting Co., Ltd
Beijing – China
Shanghai – China

Firenze – Italy
Nusco – Italy

Changzhou – China

Competence

The creative process at Targetti is the result of team work composed of different skills: optics, thermodynamics, mechanics, electronics and design.

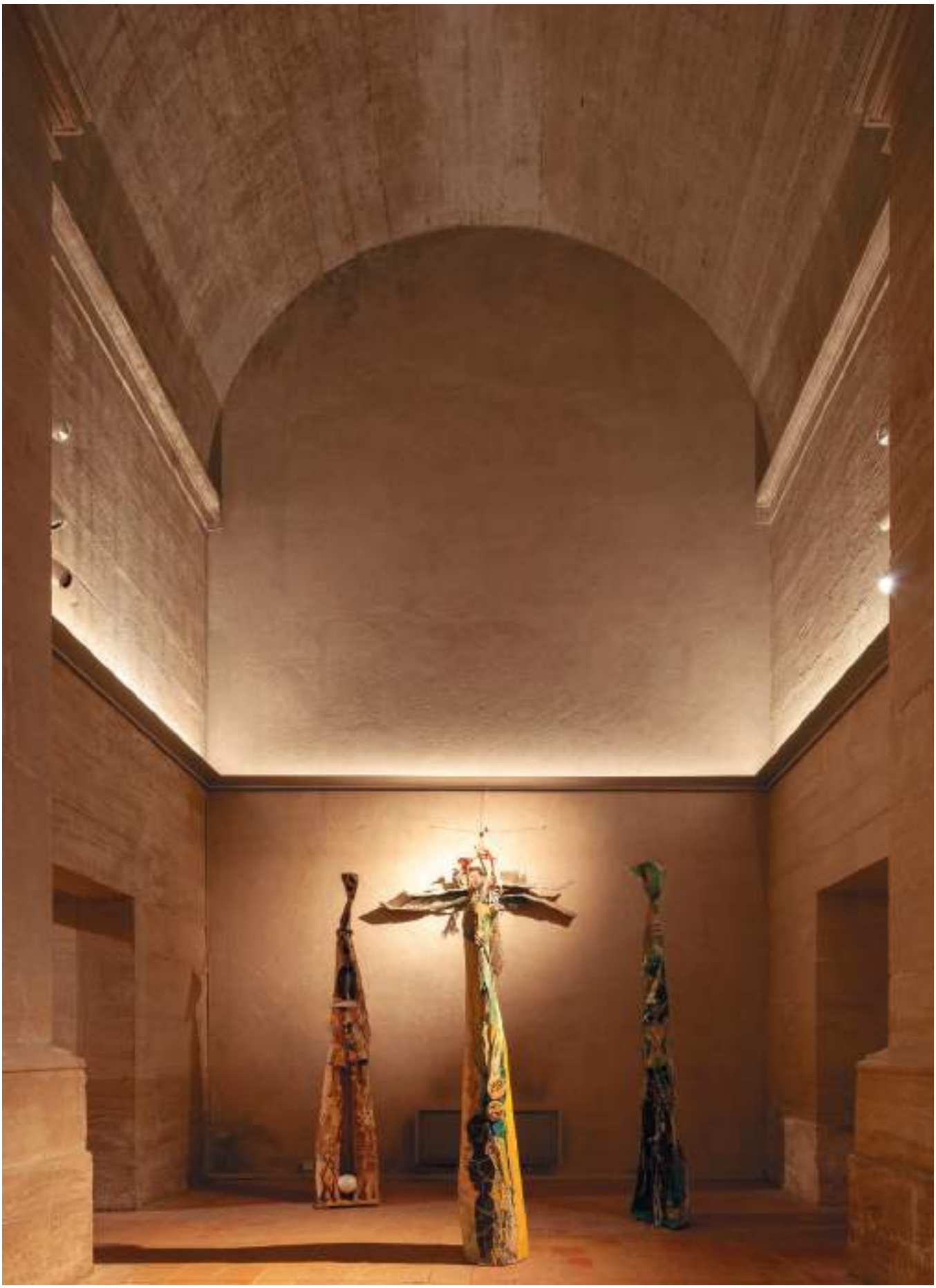
Our R&D department has highly specialised divisions and teams. Our internal testing laboratory, certified by third-party bodies, carries out photometric, electric, thermal and mechanical measurements to ensure product quality and lasting reliability.
Our Optic Division carries out advanced studies on optical systems to achieve the perfect synthesis between quantity and quality of light; between beam perfection and performance.

The results of our creative process has led to the filing of 27 patents.

Chapelle du Collège
Carpentras, France

Installer BRES SA Electricité
Photographer Hugo Hebrard

Artist: Sacha Leray Exposition



Optic division

We design and create our optics starting from the effect we want to obtain and we design them around the source chosen for our fixtures. For this reason we are able to optimise the performance of the source and obtain effects of absolute precision. Everything is studied right down to the smallest detail.

It could appear that museums and shops need the same type of focused lighting but technically this is not the case.
Exhibitions spaces favour perfect, clean beams without any blurred edges and precise light directed at the works on display, with moderate luminance values of projects based on luminance contrast. Retail space on the other hand requires high luminance values and lighting effects with softer gradient tones to attract people's attention without creating sharp boundaries.

The Targetti Optic Division continuously develops optical systems that are able to favour the performance or precision of the effect according to actual needs. The quality of the lighting effect, available in different gradient tones is an essential feature of every one of our optical systems.

Indirect optics

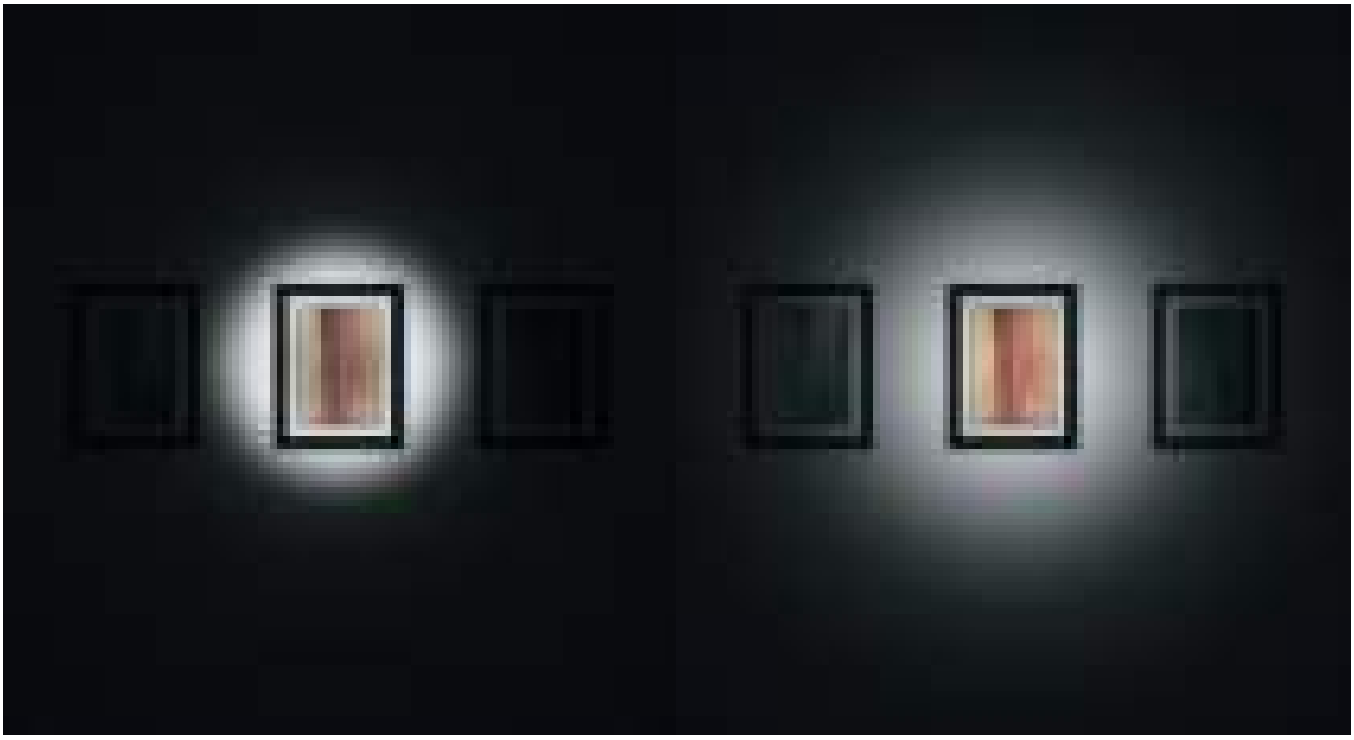
Millimetre beam precision
for evocative effects

Makes it possible to obtain an extremely narrow light beam (up to 6°) that is precise and well defined even at great distances. It uses the principle of lighting technology where a parabolic reflector is lit by a light source that is turned backwards and completely hidden from view. The reflected light is highly collimated and creates a focused and defined effect with no falloff - a normal result of uncontrolled light – for maximum visual comfort.
Given its sophisticated shape this optic is only available in a Narrow Spot version.

Optics with lens

Sophisticated geometries
for precise beams

These are most commonly used in museums because they make it possible to obtain precise and defined beams that frame works of art without “interfering with” the background. They are available from Narrow Spot right up to Flood openings. Unlike reflector optics lenticular optics control the light produced by the source and direct it inside the beam. The high quality materials used and sophisticated geometries ensure precision and high performance.



Hybrid optics

The ideal compromise between beam efficiency and definition

The light emission of these type of optics is the result of the combined use of reflectors and lenses. The reflector controls peripheral light while one or more lenses manage the central part of the beam which is usually uncontrolled. Cancelling “spurious” light is combined with flow recovery and an increase in intensity inside the beam. These optics are available for Spot and Flood emissions.

Reflector optics

Precise and enveloping light

These optics ensure excellent performance and are available with all beam openings (spot, flood, medium wide flood and wide flood). They allow for excellent light mixing with broad, soft tones between light and shade. They are particularly suitable when a homogeneous balance between luminance and a more neutral and less dramatic effect is required. The reflective aluminium or metallised polycarbonate they are made of ensure high optical efficiency.

Wall washer optics

Uniform light and contemporary atmosphere

These optics allow for completely uniform effects even on large wall surfaces. What makes them unique is the ability to direct the light right to the top of the surface and to its full height. The distance between different fixtures will provide uniformity along the entire length of the wall. This type of effect is ideal where uniformity is required in the entire space or where particular emphasis on a large work of art displayed on a wall is needed.The contrast with the rest of the space will emphasize the dramatic effect.

Grazing optics

Grazing lighting is a kind of light used to enhance vertical surfaces in a uniform way

The effect has a gradient tone that moves away from the source softly and is used for linear fixtures. Fixtures with this type of optic must be positioned near to the surface to be illuminated because the photometric solid is in reality a blade with maximum intensity at the emission point which then fades as it moves out. In the Targetti collection the Grazing optic was created thanks to an intuition by our optical department which studied a simple yet highly effective solution: a cylindrical lens positioned above the LED source along the entire length of the fixture. The result is a soft continuous light effect that “attaches” to the wall near the fixture without any unpleasant scorching and able to reach long distances thanks to its high performance.

DBS

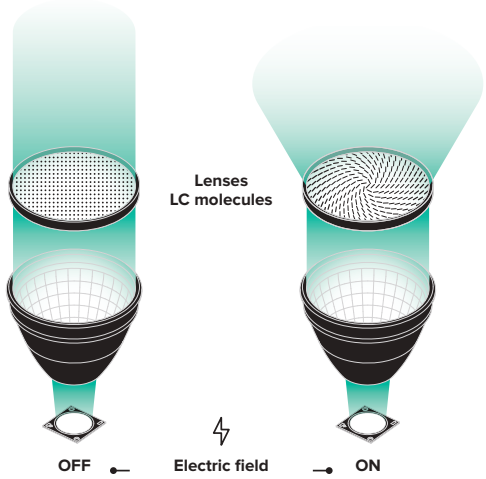
Uniform light and contemporary atmosphere

Dynamic Beam Shaper (DBS) optical technology was created from the desire to give designers a sophisticated yet simple to use tool. Technology that we were the first to develop in the lighting sector together with Lens Vector – a leading American company in lens design - that makes it possible to vary the beam opening of fixtures via digital input without any mechanical system. With DBS we combined LED sources, collimated optics and lenses equipped with liquid crystal molecules that can be activated and oriented using an electric field thus creating a light diffusion process.

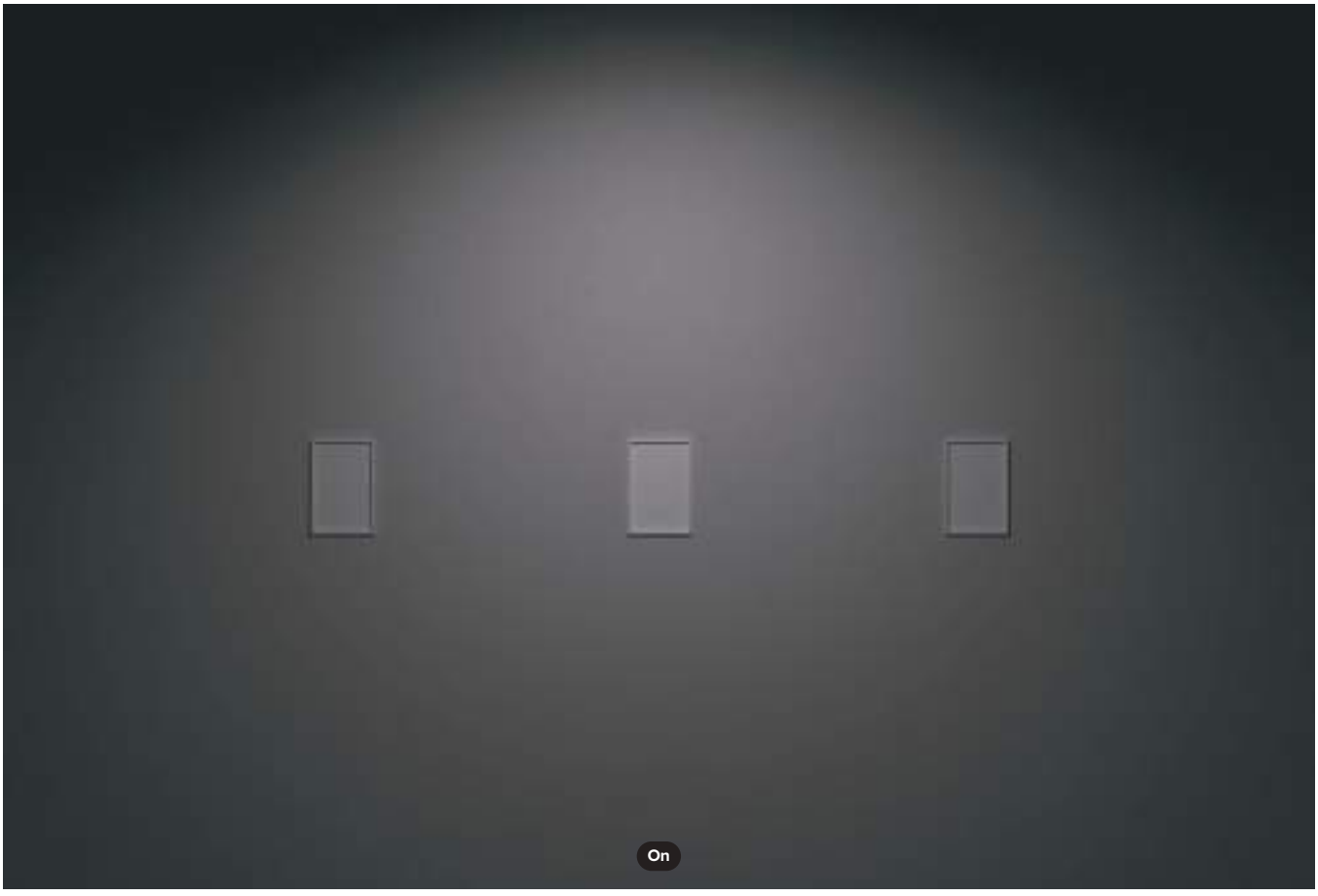
Liquid crystal materials are widely used in projectors and LC (LCD) displays. They are elongated molecules that are naturally aligned in the same direction. The DBS lens is composed of two glass substrates separated by spacers that are sealed to contain the liquid crystal materials in a kind of "sandwich". When an electric field is applied to the lens the molecules change direction and refocus the light that passes through the lens. Managing the electric field and the direction of the molecules it is possible to shape the light beam.

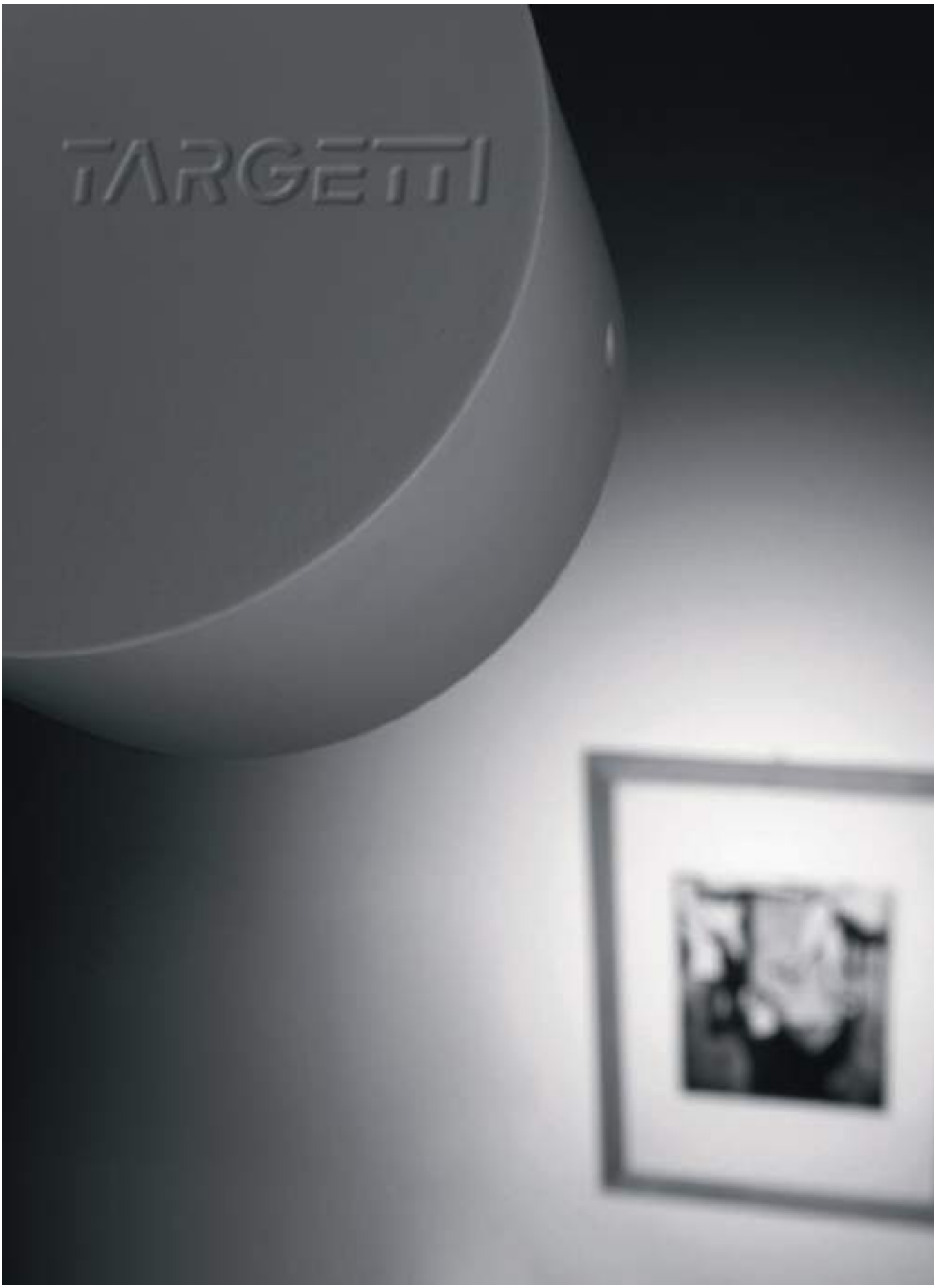
Dynamic Beam Shaper provides beam control from SP to WFL, allowing designers to create scenes and manage lighting in different environments using Targetti Control by Casambi, without the use of mechanical systems, scales or replacement optics.

Using the Casambi app, available for IOS and Android, it is possible to dim the sources, set the desired beam opening and create dynamic scenes.
The same fixture controlled from any smart device provides infinite possibilities.



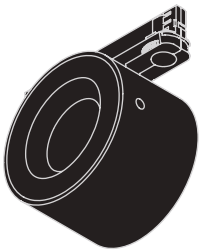
Off


On

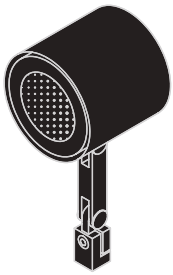

TARGETTI

Today DBS technology is available for a wide range of products including for the OZ system, the smallest fixture in the collection to have a miniaturised optical system with dynamic beam shaping:

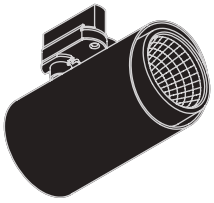
Projectors



ZENO Medium



CORO Large



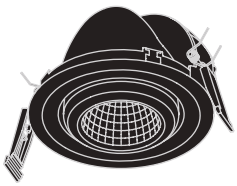
LEDÒ

OZ 48V

Recessed

CCTLED Architectural
CCTLED Architectural Mini

*Online



CLOUD

*Online

Quality

The quality of a fixture is provided in part by objectively measurable and immediately comparable values such as performance or the type of luminous effect, as well as the result of choosing technical solutions that ensure safety and reliability over time.

The mechanical solutions we use are able to ensure the characteristics of our products remain unchanged over time and to make installation easier, especially outdoors.

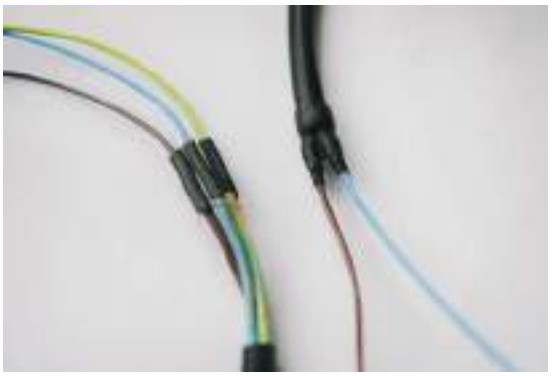
TARGETTI

Waterblock

Waterblock solutions for outdoor products

To limit the risk of compromising watertight integrity we have created the Waterblock system. The system does not include the use of accessory elements it is rather a solution used in the production phase that by acting on the input power cable makes it possible to prevent water and humidity from reaching the inside of products.

When it comes to outdoor fixtures, above all inground ones a high IP rating is often not enough to provide a moisture barrier. In addition to the mechanical characteristics of fixtures external factors come into play like the state of the terrain or the installation method. If a connector is not well tightened or connections are not carried out to perfection humidity can reach the driver or the fixture through capillary action and irreversibly impair function.
To limit this risk we have designed an Waterblock system differentiated according to the type of product.



Waterblock Smart

This is a procedure applied during the assembly of products: the power cable is cut, unsheathed and re-welded and the ends are sealed using a special thermo-retractable adhesive sheath. The part of the cable fitted with the thermo-retractable sheath is then immersed into a special resin sleeve used for outdoor products.

This type of treatment is carried out on all products in the outdoor collection.

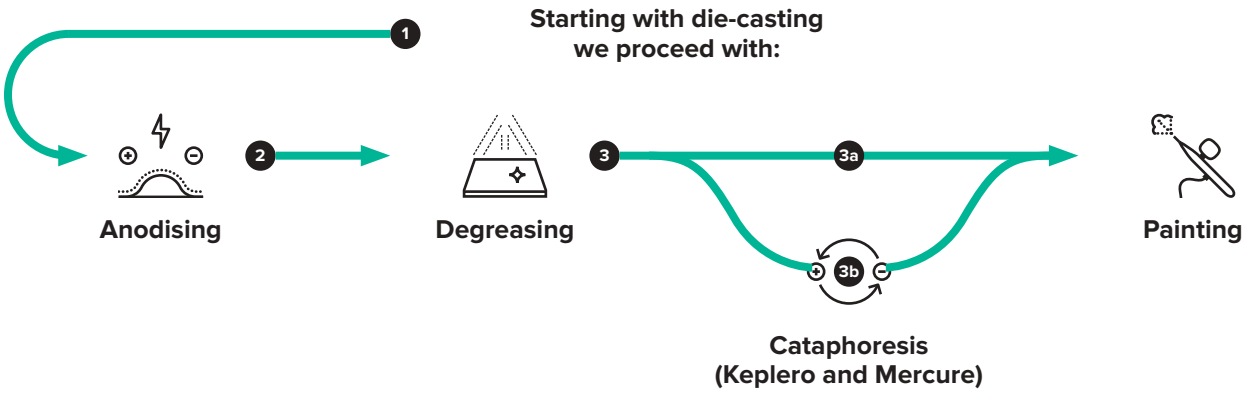
Waterblock Plus

In addition to resin coating the cable, the Waterblock Plus solution also involves completely resin coating the integrated driver. This prevents humidity from reaching the body of the fixture and impairing function.

Fixtures that use the Waterblock Plus systems are KEPLERO, MR.BO, FEBO EVO and STILO.

Treatments and resistance tests

We develop solutions that allow our products, especially recessed ones, to last even when they are installed in unfavourable conditions.



High resistance to corrosion is an essential characteristic of outdoor professional fixtures. Close proximity to the sea or exposure to corrosive agents highly increases the corrosion of materials in a significant way. All our die-cast fixtures are subjected to a series of treatments that improve resistance to corrosion.

Sample products are then tested using a "salt spray test" in a special chamber where salt spray is vapourised (5% NaCl) at a temperature of 35° C. This way the materials undergo the same (possible) changes they would if they were exposed to air for a long time. The test makes it possible to check the resistance of the materials to corrosion over time.

These treatments and tests allow us to be sure to provide quality and long-lasting products.

Cataphoresis

We wanted to increase the resistance of die-cast recessed fixtures to corrosion further to make them suitable for installation in “hostile” environments and up to 5 m from the sea. After anodising products undergo cataphoresis painting, one of the most ecological industrial painting systems. This treatment ensures elevated protection against chemical and environmental agents for a long time.

The procedure consists of emerging pieces which are connected to a negative pole with an electrical generator in a bath where some electrodes are connected to a positive pole. The electrical field and the electrochemical phenomena which result cause the deposition of at least µm25 of epoxy resin on the pieces which are then polymerised in an oven. Subsequently the treatment proceeds with finishing paint.

The product ranges that undergo Cataphoresis treatment are **KEPLERO** and **MERCURE**.

It is possible for other outdoor non-recessed products with die-cast components that need to be installed near to the sea to undergo cataphoresis treatment on request.

Digital

We have made designing and controlling light simple and within everyone’s reach so as to allow large-scale application of its incredible benefits. We did this by combining it with digital technology, not only to control it but also to change its shape in an extremely natural way.

How we control our fixtures

DALI
Fixtures are equipped with a driver that allows them to be connected to a BUS DALI global plant management system.

TARGETTI CONTROL
Fixtures are controlled via wireless or Bluetooth from a smartphone or a tablet without the need for any other hardware.

Dimm on board
Fixtures are dimmed using a switch inside the fixtures.

DMX
RGB and RGBW fixtures are controlled using a DMX protocol. Software and touch screen interfaces are available to manage and create static and dynamic lighting scenes.

Indoor

	DALI	TARGETTI CONTROL	DIMM ON BOARD	DMX
BEBOP	●	● with accessories		
CARTESIO	●	● with accessories		
CCTEvo	●	● with accessories		
CCTLED Pendant	●	● with accessories		
CCTLED Tube	●	● with accessories		
CORO	●	● with accessories		
FLOOD	●	● with accessories		
FORTYEIGHT	●	● with accessories		
GLOBO		● with accessories		
HALL	●	●		
ISO	●	● with accessories		
JEDI COMPACT IP40	●	● with accessories		
LABEL 230V	●	● with accessories		
LEDÒ	●	●	●	
LOGICO	●	● with accessories		
OMEGA	●	● with accessories		
OSIRIDE		● with accessories		
OZ STAND ALONE	●	● with accessories		
OZ SYSTEM	●	●	●	
PROFESSIONAL		● with accessories		
RAY	●	● with accessories		
STORE	●	● with accessories		
STORE Gimbal	●	● with accessories		
THREESIXTY	●	● with accessories		
TPANEL	●	● with accessories		

	DALI	TARGETTI CONTROL	DIMM ON BOARD	DMX
VOLTA	●	● with accessories		
ZENO	●	●	●	
ZENO Extractable	●	● with accessories		
ZENO Applique	●	● with accessories		

Outdoor

	DALI	TARGETTI CONTROL	DIMM ON BOARD	DMX
DART	●	● with accessories		
FEBO EVO	●	● with accessories		
JEDI	●	● with accessories		
JEDI COMPACT IP67	●	● with accessories		
JEDI RGBW				●
JUPITER	●	● with accessories		
JUPITER PRO	●	● with accessories		
KEPLERO	●	● with accessories		
KEPLERO RGBW				●
KEPLERO MINI RGBW				●
LED.Y RGB				●
MINIMERCURE RGB				●
MR. BO	●	● with accessories		
MR. SMITH	●	● with accessories		
MRS. SMITH	●	● with accessories		
ZEDGE	●	● with accessories		

Control systems

LMS Casambi

When we were the first in the lighting industry to choose Casambi as a partner to control light our aim was to have a simple, intuitive language within everyone's reach. As a result Targetti Control by Casambi was created to make it possible to control light via Bluetooth Low Energy without the use of any special cables.

This wireless technology is compatible with all modern smart devices: smartphones, tablets and even smartwatches. Targetti fixtures are equipped with a special interface that allows them to communicate with each other to create a remotely controllable "smart" network.

The advantages are manifold, first of all the possibility for users to interact with lighting – varying intensity, tone and shape in complete freedom and autonomy according to their needs – secondly the design approach known as Human Centric Lighting that places people at the centre of lighting projects.

Another advantage is the possibility to create different scenes according to the fruition needs of the space and energy saving.
Think of conference rooms, shops, offices and churches.

The Targetti Control application is designed that anyone can use it in an intuitive way regardless of their technical skills.

Once the fixture networks and desired scenes have been created it is possible to recall them using simple wireless buttons and wall switches as well as by using the app.
The technology is easy to implement depending on the complexity of the system and can be applied and adapted to even the most complex ones.

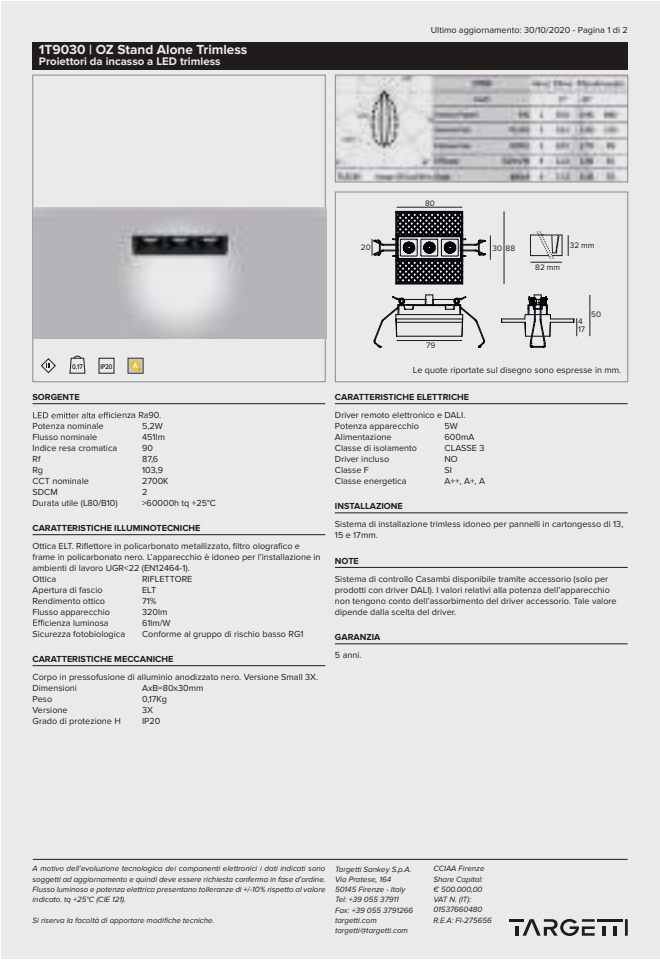
Transparency

Transparency in communicating data is an important commitment for us. In our certified internal laboratory we carry out measurements on our fixtures and we share the results transparently. This way we provide lighting designers with absolutely real and reliable values on performance in actual operating conditions.

All of our fixtures have identity cards showing their technical features and performance. Once products have been configured on the targetti.com website it is possible to download their data sheets that are now accompanied by new information such as:

A **Lifetime**

B **Tm30 with values expressed in R_f and R_g**



Ultimo aggiornamento: 30/10/2020 - Pagina 1 di 2

1T9030 | OZ Stand Alone Trimless
Proiettori da incasso a LED trimless

Le quote riportate sul disegno sono espresse in mm.

SORGENTE

LED emitter alta efficienza Ra90.

Potenza nominale	5,2W
Flusso nominale	451lm
Indice resa cromatica	90
Rf	87,6
Rg	103,9
CCT nominale	2700K
SDCM	2
Durata utile (L80/B10)	>60000h tq +25°C

CARATTERISTICHE ILLUMINOTECNICHE

Ottica ELT. Riflettore in policarbonato metallizzato, filtro olografico e frame in policarbonato nero. L'apparecchio è idoneo per l'installazione in ambienti di lavoro UGR<22 (EN12464-1).

Ottica	RIFLETTORE
Apertura di fascio	ELT
Rendimento ottico	71%
Flusso apparecchio	320lm
Efficienza luminosa	61lm/W
Sicurezza fotobiologica	Conforme al gruppo di rischio basso RG1

CARATTERISTICHE MECCANICHE

Corpo in pressofusione di alluminio anodizzato nero. Versione Small 3X.

Dimensioni	AxB=80x30mm
Peso	0,17Kg
Versione	3X
Grado di protezione H	IP20

CARATTERISTICHE ELETTRICHE

Driver remoto elettronico e DALI.

Potenza apparecchio	5W
Alimentazione	600mA
Classe di isolamento	CLASSE 3
Driver incluso	NO
Classe F	SI
Classe energetica	A++, A+, A

INSTALLAZIONE

Sistema di installazione trimless idoneo per pannelli in cartongesso di 13, 15 e 17mm.

NOTE

Sistema di controllo Casambi disponibile tramite accessorio (solo per prodotti con driver DALI). I valori relativi alla potenza dell'apparecchio non tengono conto dell'assorbimento del driver accessorio. Tale valore dipende dalla scelta del driver.

GARANZIA

5 anni.

A motivo dell'evoluzione tecnologica dei componenti elettronici i dati indicati sono soggetti ad aggiornamento e quindi deve essere richiesta conferma in fase d'ordine. Flusso luminoso e potenza elettrica presentano tolleranze di +/-10% rispetto al valore indicato. tq +25°C (CIE 121).

Si riserva la facoltà di apportare modifiche tecniche.

Targetti Sankey S.p.A.
Via Pratese, 164
50145 Firenze - Italy
Tel: +39 055 37911
Fax: +39 055 3791266
targetti.com
targetti@targetti.com

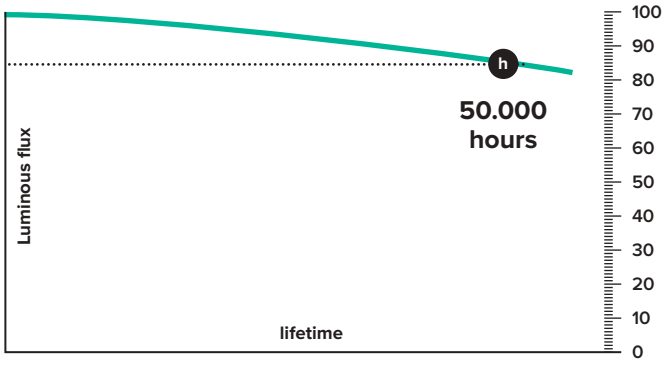
CCIAA Firenze
Share Capital:
€ 500.000,00
VAT N. (IT):
05137660480
R.E.A: FI-275656

TARGETTI

Duration of LED sources

Unlike other light sources LED have a slow decrease in the flux emitted until they run out in a more or less long period based on two main factors:

- **The quality of the LED source**
- **Operating temperature of the source inside the fixture**



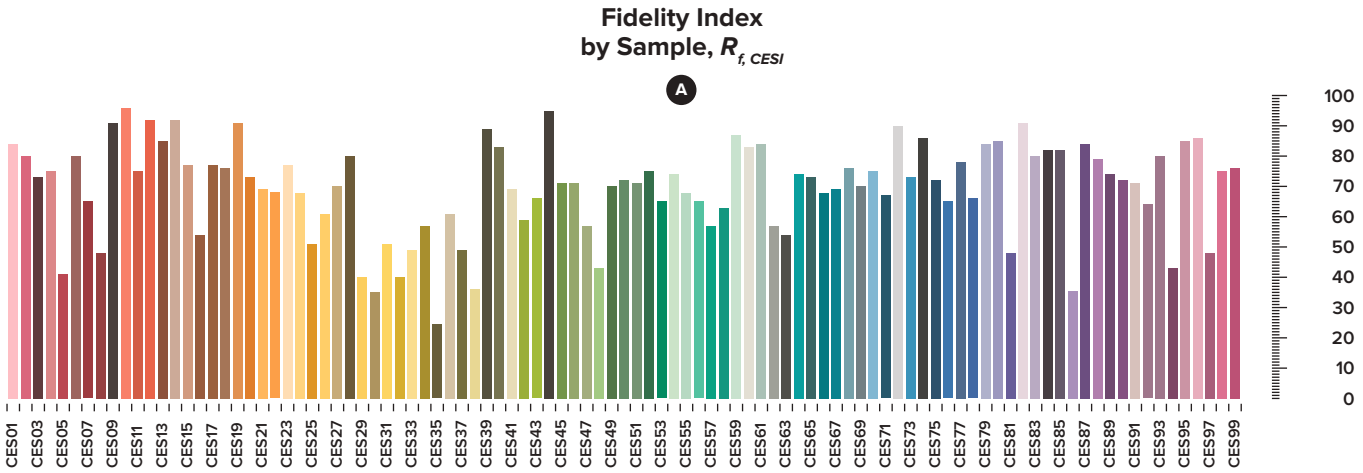
Targetti has always chosen the best sources on the market and works continuously to look for technical solutions aimed at optimising the "thermal management" of fixtures so that heat can dissipate in the correct way.
The life of LED sources is defined using the parameter "L" that indicates the flux decrease percentage referred to in operating hours (normally 50,000 hours), to which a "B" value is added usually between 10 and 50 which is an important indicator about the quality of the source because it indicates the percentage of LED sources that upon reaching the indicated hours do not maintain the declared characteristics of luminous flux. Having said that with the same number of hours the lower the B value the better the LED source.

All our LED sources guarantee the binomials L80/B10 for a lifespan of at least 50,000 hours (upon reaching 50,000 hours the luminous emission is ≥80% for 90% of LED sources. For the majority of Targetti products (60%) the binomial L80/B10 is guaranteed for a lifespan of between 50,000 to 80,000 and for 40% a duration of more than 100,000 hours is even guaranteed.

On product data sheets there is detailed analysis of the flux trend of fixtures over time. Referring to this analysis lighting designers and end customers have credible information about the reliability and the duration of lighting systems.

Nominal average useful life	**30,000 h Tq+25°C**	**50,000 h Tq+25°C**	**80,000 h Tq+25°C**	**100,000 h Tq+25°C**
	Example L93/B10	**Example L90/B10**	**Example L85/B10**	**Example L80/B10**
	At 30,000h 90% (B10) of the LEDs will have a residual luminous flux of at least 93% (L93) of the initial value with Tq=25°C.	At 50,000h 90% (B10) of the LEDs will have a residual luminous flux of at least 90% (L90) of the initial value with Tq=25°C.	At 80,000h 90% (B10) of the LEDs will have a residual luminous flux of at least 85% (L85) of the initial value with Tq=25°C.	At 100,000h 90% (B10) of the LEDs will have a residual luminous flux of at least 80% (L80) of the initial value with Tq=25°C.

Colour rendering: Ra and TM30



All our fixtures have “identity cards” that express colour rendering using both Ra as well as TM30. Knowing the colour rendering of a source is fundamental in lighting design because it expresses the ability of a source to faithfully reproduce the colours of a lit object. Almost all our fixtures can be equipped with Ra>90 LED.

Ra is the most common parameter to identify the colour quality of a source and Ra is a dimensionless index that varies from 0 to 100 that uses 8 colour samples (unsaturated colours) to determine the average Ra value. In recent years, a new parameter has also been introduced defined as TM30, that allows for a more complete reading of the way a source is able to reproduce colour.

TM30 extends the colour samples to 99 divided into 7 reference areas between saturated and “natural” colours and uses a balanced mix between an incandescent source and sunlight as a sample source. It is identified using two different parameters: an Rf fidelity index (Fidelity) and a Rg (Gamut) index range.

The datasheets of all our fixtures clearly and precisely indicate the colour rendering of LED sources using Ra, Rf and Rg (TM30) values.

Rf (Fidelity)

The Fidelity index indicates colour fidelity. It varies on a scale from 0 to 100 where 100 is perfect adherence to the sample source. A source with a score of less than 60 is not suitable for indoor use while a score of over 90 is ideal because the colorimetric characteristics of the source are similar to daylight.

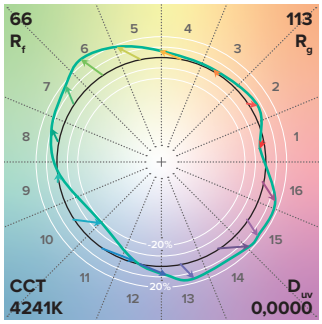
Rg (Gamut)

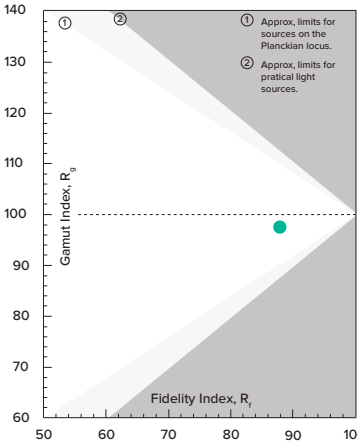
The gamut index introduces the concept of saturation by evaluating the intensity of colours under a certain light (width of the colour range).
It varies on a scale from 60 to 140 where a gamut score of 100 indicates that the light source does not change the hue and the colour saturation that are reproduced in the same way as the sample source.

R>100 indicates an increase in colour saturation therefore they appear more intense than they really are.

R<100 indicates a decrease in saturation.

The shift is saturation is represented by a vector graphic.
The black circle represents the sample light, while the red “circle” is the light being tested.
The areas that extend beyond the black circle indicate that the colours are more intense compared to the sample, however those that remain inside represent colours that appear desaturated.





This colour shift graph makes it possible to read both parameters of TM30 in a single image.

Scouting

We choose the LED sources for our fixtures very carefully to ensure performance, long lifespan and excellent light quality. This does not mean only choosing one type of source for the entire collection but the ones that are considered the most suitable to equip particular fixtures or new optical systems while still maintaining the same shade of light for all our fixtures.

Galleria delle statue e delle Pitture degli Uffizi **Lighting Design** Massimo Iarussi **Photographer** Officine fotografiche
Florence, Italy

We choose the best LED sources on the market and we design our fixtures around the sources to enhance their performance.

LED
COB (chip on board)

This type provides maximum performance in terms of lumen, efficiency and density.
They are typically made of a matrix of small blue chips covered in phosphorous. The large number of chips used makes it possible to achieve excellent efficiency while maintaining low current in individual chips.

COLOUR TEMPERATURE
2700K • 3000K
3500K • 4000K

EFFICACY
Up to 170 lm/W

COLOUR RENDERING
Ra80 • Ra90 • Ra97

COLOUR CONSISTENCY
1,5 • 2 • 3 SDCM (Steps MacAdam)

LED
Mid power

Characterised by high efficiency and low unit power (< 1W). This makes it possible to create large light sources. It is typically used in linear fixtures and in fixtures that have large emission areas of diffused light in order to obtain excellent performance while maintaining lower wattage.

COLOUR TEMPERATURE
2700K • 3000K
3500K • 4000K

EFFICACY
Up to 200 lm/W

COLOUR RENDERING
Ra80 • Ra90 • Ra97

COLOUR CONSISTENCY
3 SDCM (Steps MacAdam)

LED
Emitter

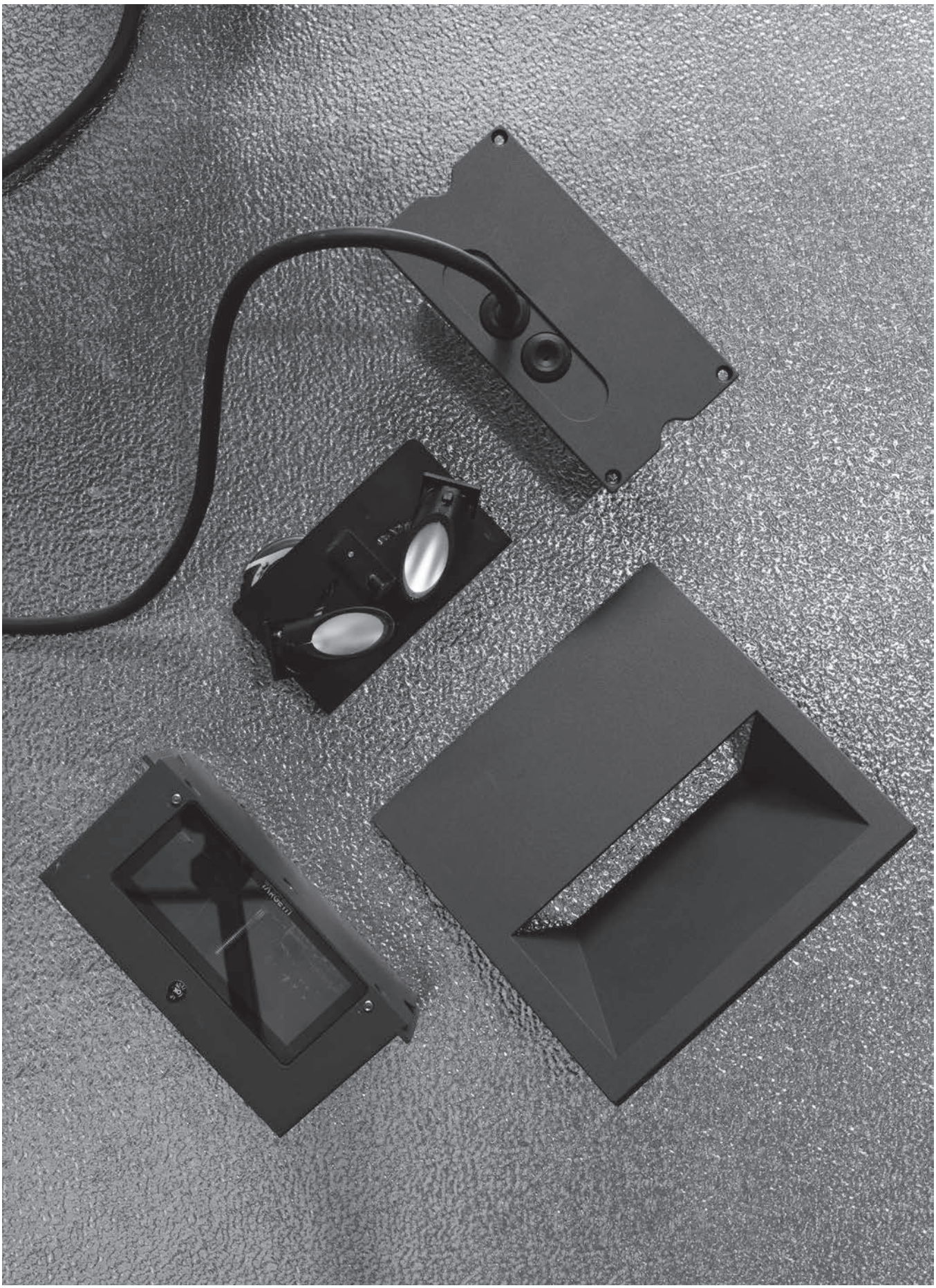
Characterised by a very small light emitting area and high unit power (2-9W), it is typically used to make fixtures with predefined light beams.

COLOUR TEMPERATURE
2700K • 3000K
3500K • 4000K

EFFICACY
Up to 150 lm/W

COLOUR RENDERING
Ra80 • Ra90

COLOUR CONSISTENCY
3 SDCM (Steps MacAdam)



Customization

We provide solutions that can give shape to the design ideas and lighting effects as imagined by our customers. Solutions can be from among the thousands of standards products in the catalogue but they can also need to be refined, customised and created.

Our origins are rooted in the tradition of Florentine craftsmanship. It is from here that we have inherited our Italian “know-how”, our natural ability to produce products tailor-made for projects.

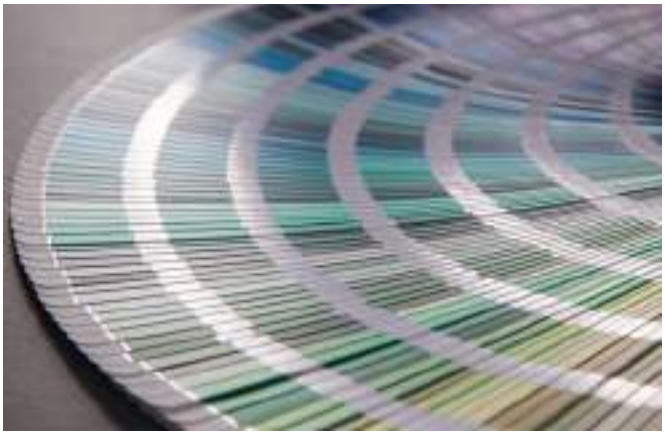
Inside our R&D department a special team develops custom products for large projects. It is team work with customers to create custom-made products for each project.

Colours

Some product ranges in the Indoor and Outdoor collection can have a customised finish upon specific request from lighting designers.
The finishes available can be selected from those in the Targetti Colours range and from more than 170 standard RAL colours.

The Targetti Colours Range
Colours is a colour palette specially designed for lighting designers featuring neutral tones in matt or brilliant finish that allows lighting fixtures to become furnishing elements to all effects with their own precise identity.

RAL Colours
It is possible to request products with a custom finish by choosing from 90 matt colours for the indoor collection and 80 textured colours for outdoor products.



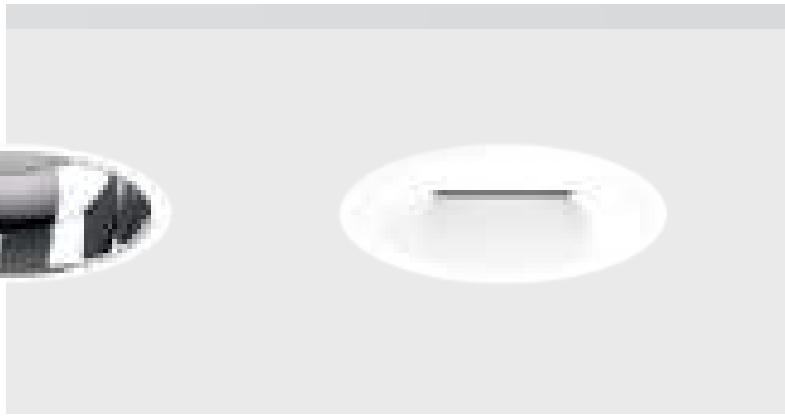
Download the RAL colours palette from the website and choose the most suitable colour for your project

targetti.com/downloads

Highlights

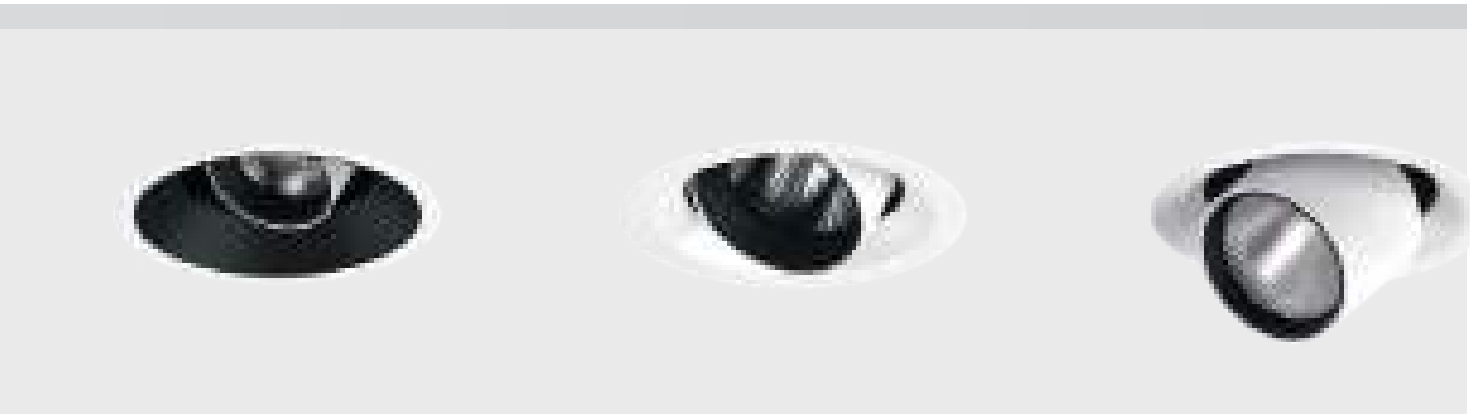
Indoor

CCTEvo



Fortyeight

Zeno



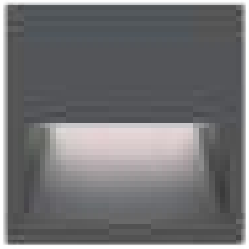
OZ System
OZ Stand Alone

Highlights

Outdoor

Keplero

Zedge



Jupiter

Dart

Jedi Compact

Coming soon

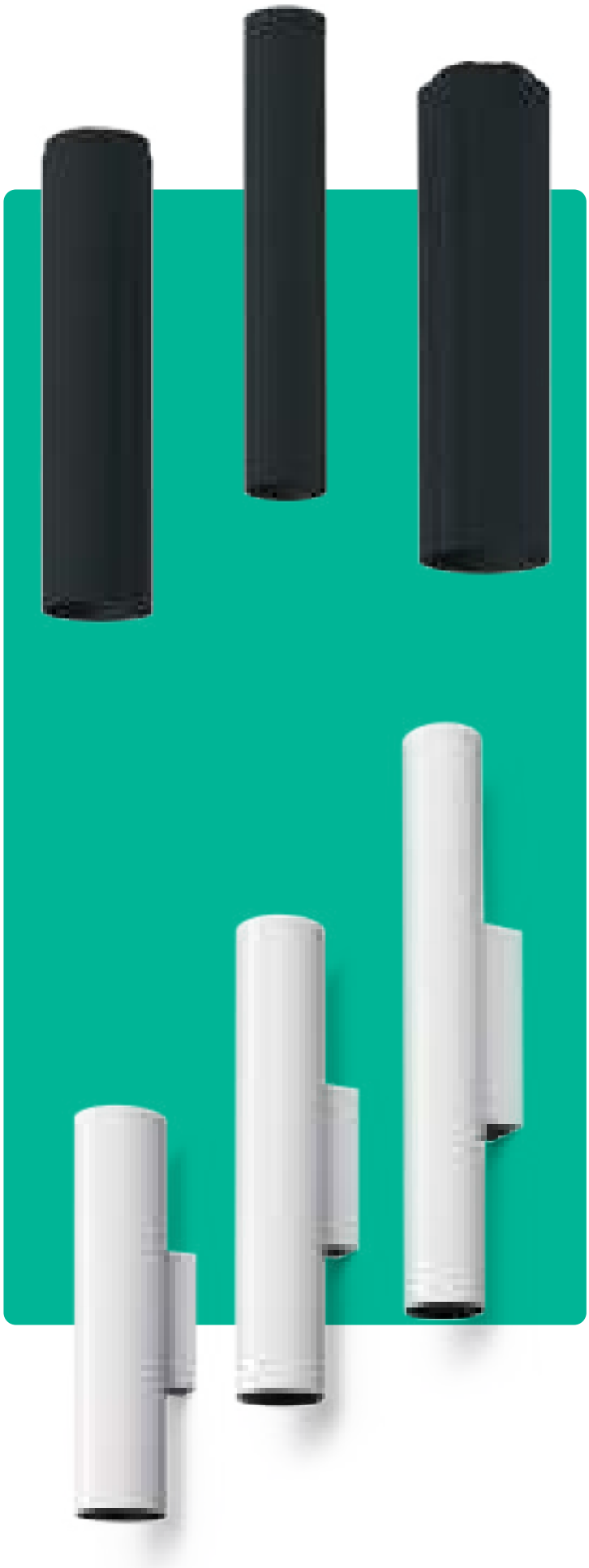
Indoor

CCTEvo
Tube

New “surface” versions of the CCTEvo range.

FORTYEIGHT
Label

The Fortyeight system becomes even more flexible thanks to new fixed or without brackets versions of Label.



LABEL 230V
Ceiling

Label 230V expands its range with new trackless application possibilities to meet new installation needs.

LABEL 230V
Wall

Coming soon

Coming soon

Outdoor

IVY System

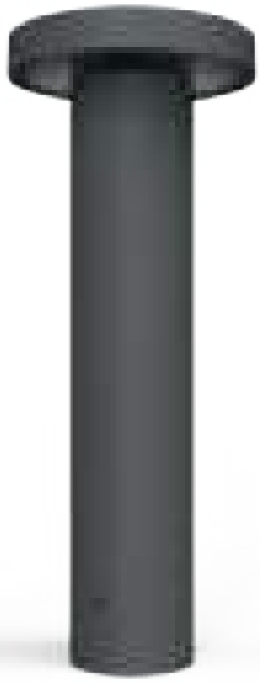
Designed by Stefano Boeri Interiors Ivy system is the first 48V smart system for outdoor spaces.

DART
Round

The new circular projector to illuminate architecture.

LUCERA

Lucera is a completely modular system totally customisable for urban lighting.



MRS. BO

The new highly efficient bollard with zero emissions above the horizontal axis.

Coming soon

Downlights

Indoor

New product Line Extension

New Performances New Accessory

Fixed downlights

76
LOGICO SA
Recessed
Opal/UGR/WW

76
LOGICO SA
Recessed+flange
Opal/UGR/WW

92
CCTEvo
Downlight
UGR/VWF Ø 214mm

92
CCTEvo
Downlight
UGR/VWF Ø 160mm

92
CCTEvo
Downlight
UGR/VWF Ø 105mm

92
CCTEvo
Downlight
Ø 78mm

92
CCTEvo
Downlight
Ø 58mm

108
CCTEvo
Wall Washer
Ø 160mm

108
CCTEvo
Wall Washer
Ø 105mm

108
CCTEvo
Wall Washer
Ø 78mm

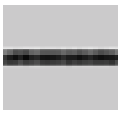
154
OZ Stand Alone
Recessed
Small 1x

154
OZ Stand Alone
Recessed
Small 3x

154
OZ Stand Alone
Recessed
Small 5x

154
OZ Stand Alone
Recessed
Large 1x

154
OZ Stand Alone
Recessed
Large 3x



154
OZ Stand Alone
Recessed
Large 5x

154
OZ Stand Alone
Trimless
Small 1x

154
OZ Stand Alone
Trimless
Small 3x

154
OZ Stand Alone
Trimless
Small 5x

154
OZ Stand Alone
Trimless
Large 1x

154
OZ Stand Alone
Trimless
Large 3x

154
OZ Stand Alone
Trimless
Large 5x

478
THREESIXTY
Ø384mm
Opal/UGR/Halo

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Halo

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo

196
T-PANEL
60x60

196
T-PANEL
30x120

200
BEBOP

204
OTTO
Semi-Recessed

Adjustable downlight

116
CCTEvo
Architectural
Ø 160mm

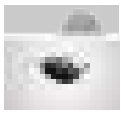
116
CCTEvo
Architectural
Ø 105mm

116
CCTEvo
Architectural
Ø 78mm

116
CCTEvo
Architectural
Ø 58mm

134
CCTEvo
Extractable
Ø 162mm

134
CCTEvo
Extractable
Ø 125mm



146
CCTEvo
Gimbal
Ø 125mm

146
CCT EVO
Gimbal
Ø 105mm

174
STORE Gimbal

174
STORE Gimbal
Mini

190
ZENO Small
Extractable

204
OTTO
Recessed
Extractable

LOGICO

Stand Alone
Recessed

GENERAL INFO
Modules of variable lengths with flange or trimless installation without visible frames.
Lenghts: 1135mm – 1695mm – 3377mm
Recessed with flange lenghts: 1146mm, 1706mm, 3386mm

LED
LED engine
From 2520lm to 21600lm
3000K – 4000K
Ra80-Ra90

PRODUCT EFFICACY
Up to 109lm/W

OPTICS
OPAL – UGR – WW

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Powder coated, extruded, calendered aluminium.

ON DEMAND

Tunable White

110-277Vac power supply

A versatile fixture available in three different lengths, each with Low- Power and High-Power lumen and different finishes and installation types.

Two recessed versions available. One version is already equipped with a flange and does not need an outer casing for installation; the other must be completed with a special trimless outer casing or flange. Both outer casings also allow for semi-recessed installation.

It is available with diffused light, UGR<19 controlled light ideal for lighting workplaces (EN-12464 - L65<3000 cd/m^2), or wall-washer for lighting large vertical surfaces.

There are also versions available for ceiling, wall or suspension installation.

Emergency versions available on request after checking feasibility.

Zonamerica
Montevideo, Uruguay

Architect Estudio Dovat Arquitectos
Lighting Design Estudio Hofstadter

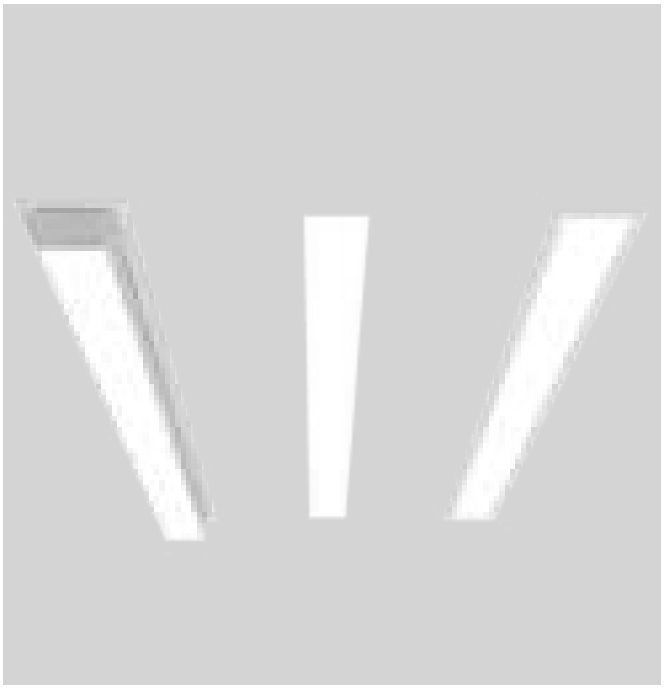
Photographer Ferrés - Cánepa

Plus

Magnetic assembling
A magnet makes it possible to fix the light unit complete with a reflector to the housing, while the screen is attached with a simple “click”. No need to use tools. This particular fastening system means that the fixture can also be wall mounted.

Recessed version with or without a flange
The version without the flange allows for a trimless finish that totally disappears into the ceiling or for semi-recessed installations. Just accessorise the fixture with a special casing to be fitted flush into the ceiling.

Solutions available on request
Custom tailor made length modules and emergency modules.



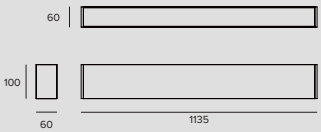
Daiichi Sankyo
Roma, Italia

Architect Studio Unispace,
Salvatore Marinaro

Photographer Ramy Leon Lorenco

LOGICO

Stand Alone
Recessed
L. 1135mm



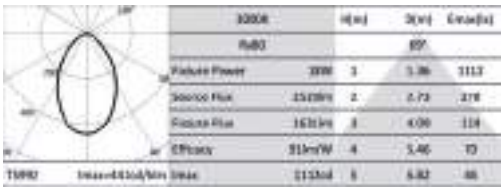
LED / 24W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5779EL**	**1T5780EL**
EL.	◐	**1T5781EL**	**1T5782EL**
DALI	○	**1T5779DA**	**1T5780DA**
DALI	◐	**1T5781DA**	**1T5782DA**

LED / 48W / DOWN OPAL

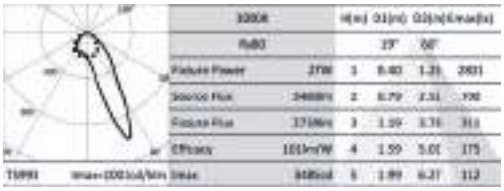
Driver	Colour	3000K	4000K
EL.	○	**1T5783EL**	**1T5784EL**
EL.	◐	**1T5785EL**	**1T5786EL**
DALI	○	**1T5783DA**	**1T5784DA**
DALI	◐	**1T5785DA**	**1T5786DA**

LED / 16W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5787EL**	**1T5788EL**
EL.	◐	**1T5789EL**	**1T5790EL**
DALI	○	**1T5787DA**	**1T5788DA**
DALI	◐	**1T5789DA**	**1T5790DA**

LED / 24W / DOWN WW

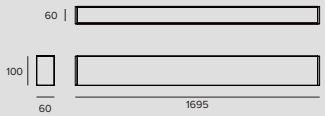


Driver	Colour	3000K	4000K
EL.	○	**1T5791EL**	**1T5792EL**
EL.	◐	**1T5793EL**	**1T5794EL**
DALI	○	**1T5791DA**	**1T5792DA**
DALI	◐	**1T5793DA**	**1T5794DA**

LED / 48W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5795EL**	**1T5796EL**
EL.	◐	**1T5797EL**	**1T5798EL**
DALI	○	**1T5795DA**	**1T5796DA**
DALI	◐	**1T5797DA**	**1T5798DA**

Stand Alone
Recessed
L. 1695mm



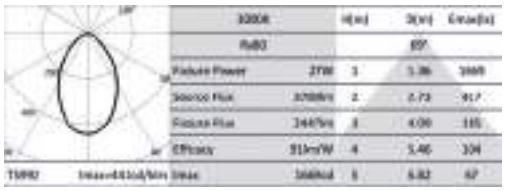
LED / 36W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5799EL**	**1T5800EL**
EL.	●	**1T5801EL**	**1T5802EL**
DALI	○	**1T5799DA**	**1T5800DA**
DALI	●	**1T5801DA**	**1T5802DA**

LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5803EL**	**1T5804EL**
EL.	●	**1T5805EL**	**1T5806EL**
DALI	○	**1T5803DA**	**1T5804DA**
DALI	●	**1T5805DA**	**1T5806DA**

LED / 24W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5807EL**	**1T5808EL**
EL.	●	**1T5809EL**	**1T5810EL**
DALI	○	**1T5807DA**	**1T5808DA**
DALI	●	**1T5809DA**	**1T5810DA**

LED / 36W / DOWN WW

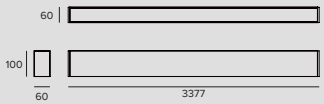
Driver	Colour	3000K	4000K
EL.	○	**1T5811EL**	**1T5812EL**
EL.	●	**1T5813EL**	**1T5814EL**
DALI	○	**1T5811DA**	**1T5812DA**
DALI	●	**1T5813DA**	**1T5814DA**

LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5815EL**	**1T5816EL**
EL.	●	**1T5817EL**	**1T5818EL**
DALI	○	**1T5815DA**	**1T5816DA**
DALI	●	**1T5817DA**	**1T5818DA**

LOGICO

Stand Alone
Recessed
L. 3377mm



LED / 72W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T5819EL**	**1T5820EL**
	EL.	◐	**1T5821EL**	**1T5822EL**
	DALI	○	**1T5819DA**	**1T5820DA**
	DALI	◐	**1T5821DA**	**1T5822DA**

LED / 144W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T5823EL**	**1T5824EL**
	EL.	◐	**1T5825EL**	**1T5826EL**
	DALI	○	**1T5823DA**	**1T5824DA**
	DALI	◐	**1T5825DA**	**1T5826DA**

LED / 48W / DOWN UGR

	Driver	Colour	3000K	4000K
	EL.	○	**1T5827EL**	**1T5828EL**
	EL.	◐	**1T5829EL**	**1T5830EL**
	DALI	○	**1T5827DA**	**1T5828DA**
	DALI	◐	**1T5829DA**	**1T5830DA**

LED / 72W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	○	**1T5831EL**	**1T5832EL**
	EL.	◐	**1T5833EL**	**1T5834EL**
	DALI	○	**1T5831DA**	**1T5832DA**
	DALI	◐	**1T5833DA**	**1T5834DA**

LED / 144W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	○	**1T5835EL**	**1T5836EL**
	EL.	◐	**1T5837EL**	**1T5838EL**
	DALI	○	**1T5835DA**	**1T5836DA**
	DALI	◐	**1T5837DA**	**1T5838DA**

Note

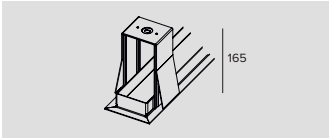
Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

To be completed with a special trimless or flange outer casing for recessed or semi-recessed installation.

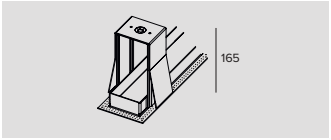
Related codes

Insertion Box



Kg	Cutout hole	L	Colour	Code
3.2	80x1150	1171	◯	**1T5918**
3.8	80x1710	1731	◯	**1T5919**
7.5	80x3390	3416	◯	**1T5920**

Outer casing for recessed and semi-recessed installation with a flange.

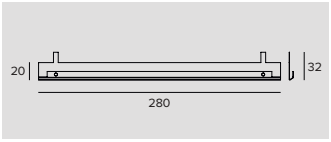


Kg	Cutout hole	L	Code
3.2	80x1150	1172	**1T6012**
3.8	80x1710	1732	**1T6013**
7.5	80x3390	3414	**1T6014**

Outer casing for recessed and semi-recessed trimless installation.

Accessories

Screen



Code
1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Control systems

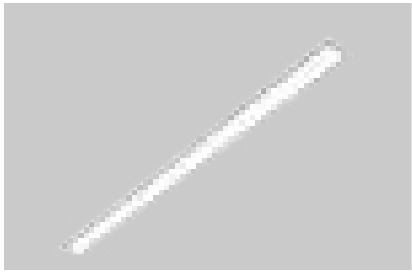
Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

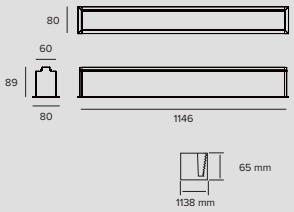
Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

LOGICO



Stand Alone
Recessed with flange
L. 1146mm



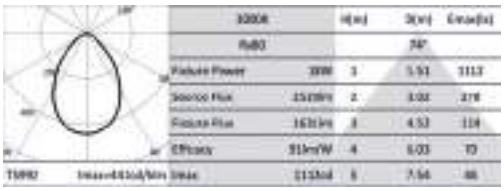
LED / 24W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5431EL**	**1T5432EL**
	DALI	◯	**1T5431DA**	**1T5432DA**

LED / 48W / DOWN OPAL

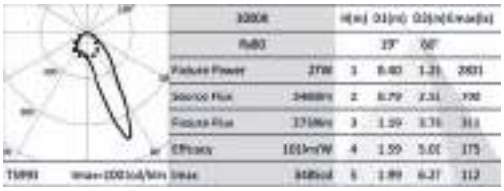
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5433EL**	**1T5434EL**
	DALI	◯	**1T5433DA**	**1T5434DA**

LED / 16W / DOWN UGR



	Driver	Colour	3000K	4000K
	EL.	◯	**1T5435EL**	**1T5436EL**
	DALI	◯	**1T5435DA**	**1T5436DA**

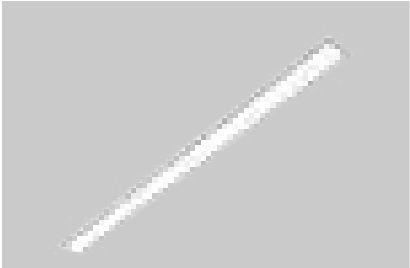
LED / 24W / DOWN WW



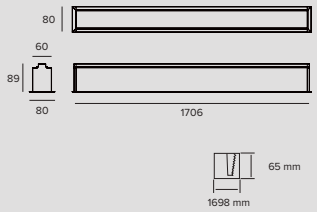
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5437EL**	**1T5438EL**
	DALI	◯	**1T5437DA**	**1T5438DA**

LED / 48W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5439EL**	**1T5440EL**
	DALI	◯	**1T5439DA**	**1T5440DA**



Stand Alone
Recessed with flange
L. 1706mm



LED / 36W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T5441EL**	**1T5442EL**
DALI	◯	**1T5441DA**	**1T5442DA**

LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T5443EL**	**1T5444EL**
DALI	◯	**1T5443DA**	**1T5444DA**

LED / 24W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	◯	**1T5445EL**	**1T5446EL**
DALI	◯	**1T5445DA**	**1T5446DA**

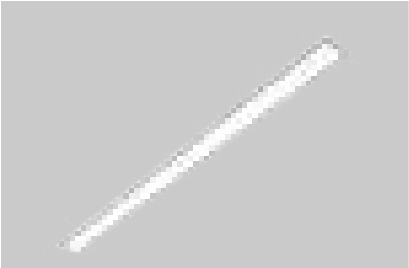
LED / 36W / DOWN WW

Driver	Colour	3000K	4000K
EL.	◯	**1T5447EL**	**1T5448EL**
DALI	◯	**1T5447DA**	**1T5448DA**

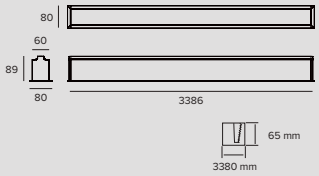
LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	◯	**1T5449EL**	**1T5450EL**
DALI	◯	**1T5449DA**	**1T5450DA**

LOGICO



Stand Alone
Recessed with flange
L. 3386mm



LED / 72W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5451EL**	**1T5452EL**
	DALI	◯	**1T5451DA**	**1T5452DA**

LED / 144W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5453EL**	**1T5454EL**
	DALI	◯	**1T5453DA**	**1T5454DA**

LED / 48W / DOWN UGR

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5455EL**	**1T5456EL**
	DALI	◯	**1T5455DA**	**1T5456DA**

LED / 72W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5457EL**	**1T5458EL**
	DALI	◯	**1T5457DA**	**1T5458DA**

LED / 144W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5459EL**	**1T5460EL**
	DALI	◯	**1T5459DA**	**1T5460DA**

Note

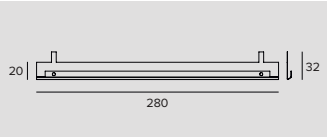
Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

LOGICO

Accessories

Screen



	Code
	1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEvo

Family

CCTEvo is a complete range of recessed LED fixtures. A wide range in terms of the breadth and depth of the product family with five different types of product on offer, each available in different sizes and luminous distributions. The CCTEvo range stands out for its design with pure and essential shapes for a coordinated and recognisable offer.

All fixtures are designed with a family feeling that is common to the latest additions to the Targetti collection- in particular for the series of Label track projectors – for aesthetic continuity and quality of light with recessed and track lighting solutions. CCTEvo is the evolution of CCTLED, the iconic, historic range of Targetti fixtures from whom it takes the baton and puts its legacy to good use. An evolution in terms of extending the range and performance that makes CCTEvo a complete suite of professional lighting tools available for our partners.

All fixtures in the CCTLED and Cloud range can still be ordered. The technical specifications and order codes can be found at **targetti.com**.

mm	Ø214	Ø160	Ø125	Ø105	Ø78	Ø58
CCTEvo Downlight Trim / Trimless						
CCTEvo Architectural Trim / Trimless						
CCTEvo Wall Washer Trim / Trimless						
CCTEvo Extractable Trim						
CCTEvo Gimbal Trim						

CCTEvo DOWNLIGHT

A range of recessed fixtures characterised by minimalist shapes, a depth of range, excellent performance and high efficiency. Available in five different sizes with a coordinated design and with different lumen packages, the CCTEvo Downlight range comes in a double version, trim (with a ring) or trimless, for complete integration into the architecture.

Source Flux
From 1098lm to 7530lm

5
Sizes

214mm 160mm 105mm 78mm 58mm

4
Available optics

FL | WFL (UGR) | WFL | VWFL

Colour temperature

2700 K 3000 K 3500 K 4000 K

Tunable white

2700 K 5000 K

Trim Trimless

LED source
White LED Ra80-Ra90
Tunable White Ra90

CCTEvo ARCHITECTURAL

A range of recessed projectors for professional lighting in the CCTEvo range. Real professional tools for projected light characterised by application flexibility, high performance and quality optical systems. Available in four different sizes with different lumen packages and four luminous emissions, CCTEvo Architectural comes in a double version, trim (with a ring) or trimless, for complete integration into the architecture.

Source Flux
From 528lm to 7313lm

4
Sizes

160mm 105mm 78mm 58mm

5
Available optics

NSP | SP | FL | MWFL | WFL

Colour temperature

2700 K 3000 K 3500 K 4000 K

Trim Trimless

LED source
White LED Ra90

CCTEvo WALL WASHER

A range of recessed fixtures for uniform lighting of large surfaces. Equipped with an innovative wall washer optical system it provides very clean, wide and uniform beams with excellent light diffusion from very close to the floor.

Source Flux
From 1496lm to 4643lm

3
Sizes

160mm 105mm 78mm

1
Available optic

WW

Colour temperature

2700 K 3000 K 3500 K 4000 K

LED source
White LED
Ra80-Ra90

Trim Trimless

CCTEvo EXTRACTABLE

A range of professional performance extractable recessed projectors with extensive flexibility. The projector can be set back completely for maximum formal simplicity or extracted up to 75°.

Source Flux
From 516lm to 6354lm

2
Sizes

162mm 125mm

5
Available optics

NSP SP FL MWFL WFL

Colour temperature

2700 K 3000 K 3500 K 4000 K

LED source
White LED Ra90

CCTEvo GIMBAL

The simplest product in the range, CCTEvo Gimbal is a recessed fixture in two different sizes – ø125mm and ø105mm - designed to meet the particular lighting needs of retail applications.

Source Flux
From 1266lm to 3180lm

2
Sizes

125mm 105mm

3
Available optics

SP FL MWFL

Colour temperature

2700 K 3000 K 3500 K 4000 K

LED source
White LED Ra90

CCTEvo DOWNLIGHT

GENERAL INFO
Recessed LED Downlight in a trim or trimless version. ø214mm ø160mm ø105mm ø78mm ø58mm

LED
High efficiency LED Chip on Board with Ra80-Ra90 LED Chip on Board Tunable White Ra90 for ø160mm ø105mm.
From 1098lm to 7530lm 2700K – 3000K – 3500K – 4000K
From 2700K to 5000K for Tunable white version

PRODUCT EFFICACY
Up to 132lm/W

OPTICS
FL - WFL (UGR) - WFL - VWFL

POWER SUPPLY
Electronic - DALI - DT8 for Tunable White versions. Casambi control system available using a dedicated accessory (only for DALI version products)

MATERIAL
Die-cast aluminium dissipator Silicone seal to make it watertight and dust-proof (IP54). Available in a trim version with an integrated ring or trimless with a supporting element for installation and smoothing in plasterboard. ø214mm ø160mm ø105mm - Reflector in a highly reflective metallised thermoplastic material. ø78mm ø58mm – Cut-off cover in painted black or white thermoplastic material.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

Ra Ra80

A range of recessed fixtures characterised by minimalist shapes, a depth of range, excellent performance and high efficiency. Available in five different sizes with a coordinated design and with different lumen packages, the CCTEvo Downlight range comes in a double version, trim (with a ring) or trimless, for complete integration into the architecture.

The IP54 protection rating makes CCTEvo Downlight suitable for installation in humid environments for aesthetic continuity between indoor and outdoor spaces. The optical systems available are suitable for installation in work environments UGR<19 (EN12464-1) L65<1000 cd/m^2.

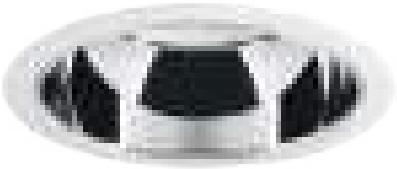
Sizes ø160mm and ø105mm are also available with Tunable White technology.

		Ø 214mm	Ø 160mm	Ø 105mm	Ø 78mm	Ø 58mm
LED	Flux (lm)	3393-7530	2011-5136	1200-2160	1492-1577	1098-1161
	Power	23-49W	13-30W	8,4-15W	12W	8,2W
OPTICS						
FL	Reflector				•	•
WFL (UGR)	Reflector	•	•	•		
WFL	Reflector					•
VWFL	Reflector	•	•	•		

Plus

Ø214mm

Ø160mm



Ø105mm

Ø78mm

Ø58mm

A complete and coordinated range

Five sizes, four colour temperatures, four optical solutions and different lumen packages for all sizes.
All solutions are available in a trimless version and with a ring and have the same family feeling and colour consistency in terms of colour quality. A complete range particularly suitable for lighting work and retail environments where reliability, high efficiency and quality of light are fundamental requirements.

Tunable White Versions

Tunable White technology, available for sizes ø 160mm and ø 105mm, makes it possible to remotely modulate the colour temperature of the fixtures from 2700K to 5000K with continuity. The high quality of the COB selected for the Tunable White version of CCTEvo Downlight makes it possible to select and dynamically modulate colour temperature while still guaranteeing high standards in terms of light and colour quality.

Coordinated aesthetics for indoor and outdoor

The IP54 protection rating makes it possible to install CCTEvo even in humid environments while ensuring aesthetic consistency in lighting projects that involve indoor and outdoor spaces.

Integration, comfort and versatility

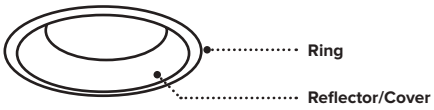
Developed to provide the best performance and maximum integration into the lighting environment, CCTEvo Downlight fixtures have different characteristics: in the smaller sizes - ø 78mm and ø 58mm – the black or white cover hides the source from sight for maximum visual comfort and total integration; in the larger sizes the reflector is mirrored to optimise the performance of the optical system.

*** On request it is possible to customise the ring by choosing from the many colour combinations in the Colours range and RAL colours available.**

targetti.com/downloads

Ø	214mm	160mm	105mm	78mm	58mm
Ring	○●	○●	○●	○●	○●
Reflector/Cover	◌◌	◌◌	◌◌	○●	○●

○ Plaster White ● Deep Black ◌ Reflective Aluminium

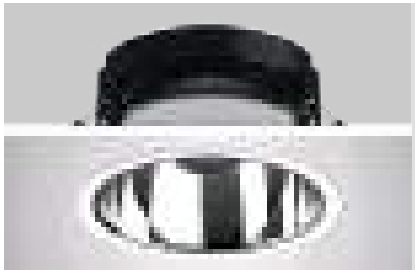


Plus

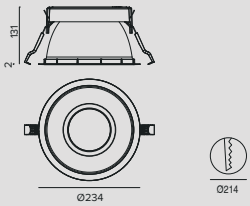
Trim and Trimless
CCTEvo Downlight is supplied equipped with a ring (for the trim version) or with a special element for trimless installation. Installation is quick and easy. Even in the trimless version the fixture remains perfectly inspectable even after installation.

Pure shapes
A simple, minimalist design with pure and essential shapes. In the trim version the ring integrated into the fixture has been made even thinner to allow for total integration into the environment.

CCTEVO DOWNLIGHT



214 WFL (UGR)



LED / 23W / REFLECTOR / WFL (UGR)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8218EL**	**1T8221EL**	**1T8224EL**	**1T8227EL**
EL.	●	**1T8242EL**	**1T8245EL**	**1T8248EL**	**1T8251EL**
DALI	○	**1T8218DA**	**1T8221DA**	**1T8224DA**	**1T8227DA**
DALI	●	**1T8242DA**	**1T8245DA**	**1T8248DA**	**1T8251DA**

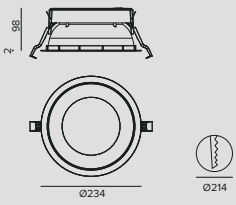
LED / 36W / REFLECTOR / WFL (UGR)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8219EL**	**1T8222EL**	**1T8225EL**	**1T8228EL**
EL.	●	**1T8243EL**	**1T8246EL**	**1T8249EL**	**1T8252EL**
DALI	○	**1T8219DA**	**1T8222DA**	**1T8225DA**	**1T8228DA**
DALI	●	**1T8243DA**	**1T8246DA**	**1T8249DA**	**1T8252DA**

LED / 49W / REFLECTOR / WFL (UGR)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8220EL**	**1T8223EL**	**1T8226EL**	**1T8229EL**
EL.	●	**1T8244EL**	**1T8247EL**	**1T8250EL**	**1T8253EL**
DALI	○	**1T8220DA**	**1T8223DA**	**1T8226DA**	**1T8229DA**
DALI	●	**1T8244DA**	**1T8247DA**	**1T8250DA**	**1T8253DA**

214 VWFL



LED / 23W / REFLECTOR / VWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8230EL**	**1T8233EL**	**1T8236EL**	**1T8239EL**
EL.	●	**1T8254EL**	**1T8257EL**	**1T8260EL**	**1T8263EL**
DALI	○	**1T8230DA**	**1T8233DA**	**1T8236DA**	**1T8239DA**
DALI	●	**1T8254DA**	**1T8257DA**	**1T8260DA**	**1T8263DA**

CCTEVO DOWNLIGHT

LED / 36W / REFLECTOR / VWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8231EL**	**1T8234EL**	**1T8237EL**	**1T8240EL**
EL.	●	**1T8255EL**	**1T8258EL**	**1T8261EL**	**1T8264EL**
DALI	○	**1T8231DA**	**1T8234DA**	**1T8237DA**	**1T8240DA**
DALI	●	**1T8255DA**	**1T8258DA**	**1T8261DA**	**1T8264DA**

LED / 49W / REFLECTOR / VWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8232EL**	**1T8235EL**	**1T8238EL**	**1T8241EL**
EL.	●	**1T8256EL**	**1T8259EL**	**1T8262EL**	**1T8265EL**
DALI	○	**1T8232DA**	**1T8235DA**	**1T8238DA**	**1T8241DA**
DALI	●	**1T8256DA**	**1T8259DA**	**1T8262DA**	**1T8265DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Ra80 TRIM version: to order this version it is necessary to add the suffix “80” at the end of the standard code.

Accessories

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

Code
1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

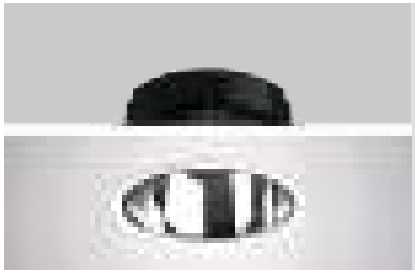
Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

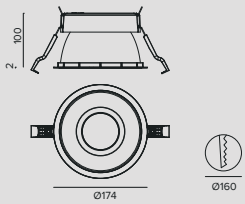
Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO DOWNLIGHT



160 WFL (UGR)



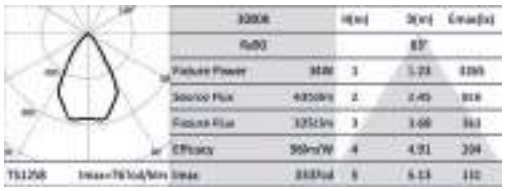
LED / 13W / REFLECTOR / WFL (UGR)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8290EL**	**1T8293EL**	**1T8296EL**	**1T8299EL**
EL.	●	**1T8326EL**	**1T8329EL**	**1T8332EL**	**1T8335EL**
DALI	○	**1T8290DA**	**1T8293DA**	**1T8296DA**	**1T8299DA**
DALI	●	**1T8326DA**	**1T8329DA**	**1T8332DA**	**1T8335DA**

LED / 20W / REFLECTOR / WFL (UGR)

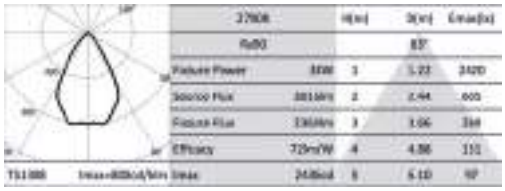
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8291EL**	**1T8294EL**	**1T8297EL**	**1T8300EL**
EL.	●	**1T8327EL**	**1T8330EL**	**1T8333EL**	**1T8336EL**
DALI	○	**1T8291DA**	**1T8294DA**	**1T8297DA**	**1T8300DA**
DALI	●	**1T8327DA**	**1T8330DA**	**1T8333DA**	**1T8336DA**

LED / 30W / REFLECTOR / WFL (UGR)

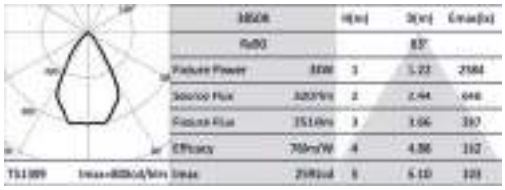


Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8292EL**	**1T8295EL**	**1T8298EL**	**1T8301EL**
EL.	●	**1T8328EL**	**1T8331EL**	**1T8334EL**	**1T8337EL**
DALI	○	**1T8292DA**	**1T8295DA**	**1T8298DA**	**1T8301DA**
DALI	●	**1T8328DA**	**1T8331DA**	**1T8334DA**	**1T8337DA**

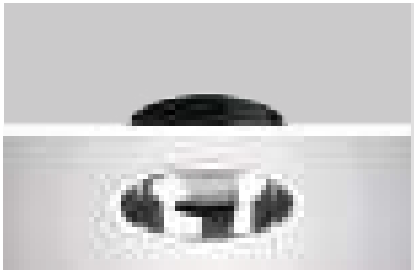
LED CTC / 30W / REFLECTOR / WFL (UGR)



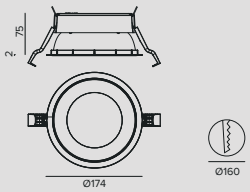
Driver	Colour	2700-5000K
DT8	○	**1T9500DA8**
DT8	●	**1T9503DA8**



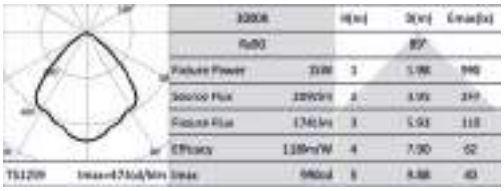
CCTEVO DOWNLIGHT



160 VWFL

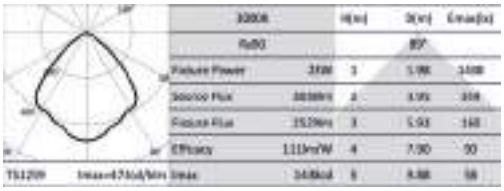


LED / 13W / REFLECTOR / VWFL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8302EL**	**1T8305EL**	**1T8308EL**	**1T8311EL**
EL.	●	**1T8338EL**	**1T8341EL**	**1T8344EL**	**1T8347EL**
DALI	○	**1T8302DA**	**1T8305DA**	**1T8308DA**	**1T8311DA**
DALI	●	**1T8338DA**	**1T8341DA**	**1T8344DA**	**1T8347DA**

LED / 20W / REFLECTOR / VWFL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8303EL**	**1T8306EL**	**1T8309EL**	**1T8312EL**
EL.	●	**1T8339EL**	**1T8342EL**	**1T8345EL**	**1T8348EL**
DALI	○	**1T8303DA**	**1T8306DA**	**1T8309DA**	**1T8312DA**
DALI	●	**1T8339DA**	**1T8342DA**	**1T8345DA**	**1T8348DA**

LED / 30W / REFLECTOR / VWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8304EL**	**1T8307EL**	**1T8310EL**	**1T8313EL**
EL.	●	**1T8340EL**	**1T8343EL**	**1T8346EL**	**1T8349EL**
DALI	○	**1T8304DA**	**1T8307DA**	**1T8310DA**	**1T8313DA**
DALI	●	**1T8340DA**	**1T8343DA**	**1T8346DA**	**1T8349DA**

LED CTC / 30W / REFLECTOR / VWFL

Driver	Colour	2700-5000K
DT8	○	**1T9501DA8**
DT8	●	**1T9504DA8**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Ra80 TRIM version: to order this version it is necessary to add the suffix “80” at the end of the standard code.

CCTEVO DOWNLIGHT

Accessories

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

	Code
	1T5349DA8

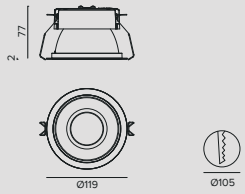
Wireless control unit for DALI8 fixtures.
It generates a local DALI8 bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352DA8

IP20 Extender for wireless control of DALI8 fixtures.
It generates a local DALI8 bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO DOWNLIGHT

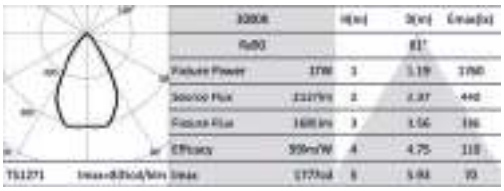
105 WFL (UGR)



LED / 8,4W / REFLECTOR / WFL (UGR)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8398EL**	**1T8400EL**	**1T8402EL**	**1T8404EL**
EL.	●	**1T8422EL**	**1T8424EL**	**1T8426EL**	**1T8428EL**
DALI	○	**1T8398DA**	**1T8400DA**	**1T8402DA**	**1T8404DA**
DALI	●	**1T8422DA**	**1T8424DA**	**1T8426DA**	**1T8428DA**

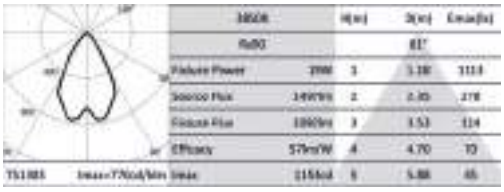
LED / 15W / REFLECTOR / WFL (UGR)



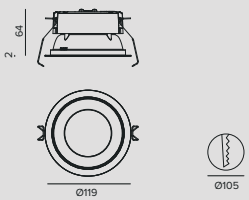
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8399EL**	**1T8401EL**	**1T8403EL**	**1T8405EL**
EL.	●	**1T8423EL**	**1T8425EL**	**1T8427EL**	**1T8429EL**
DALI	○	**1T8399DA**	**1T8401DA**	**1T8403DA**	**1T8405DA**
DALI	●	**1T8423DA**	**1T8425DA**	**1T8427DA**	**1T8429DA**

LED CTC / 15W / REFLECTOR / WFL (UGR)

Driver	Colour	2700-5000K
DT8	○	**1T9506DA8**
DT8	●	**1T9509DA8**



105 VWFL

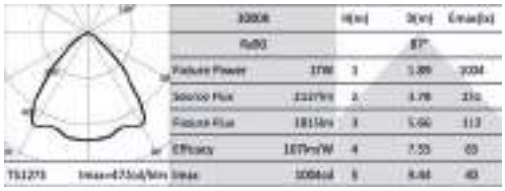


LED / 8,4W / REFLECTOR / VWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8406EL**	**1T8408EL**	**1T8410EL**	**1T8412EL**
EL.	●	**1T8430EL**	**1T8432EL**	**1T8434EL**	**1T8436EL**
DALI	○	**1T8406DA**	**1T8408DA**	**1T8410DA**	**1T8412DA**
DALI	●	**1T8430DA**	**1T8432DA**	**1T8434DA**	**1T8436DA**

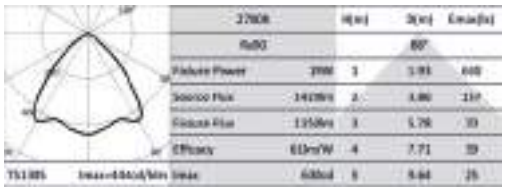
CCTEVO DOWNLIGHT

LED / 15W / REFLECTOR / VWFL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8407EL**	**1T8409EL**	**1T8411EL**	**1T8413EL**
EL.	◐	**1T8431EL**	**1T8433EL**	**1T8435EL**	**1T8437EL**
DALI	○	**1T8407DA**	**1T8409DA**	**1T8411DA**	**1T8413DA**
DALI	◐	**1T8431DA**	**1T8433DA**	**1T8435DA**	**1T8437DA**

LED CTC / 15W / REFLECTOR / VWFL



Driver	Colour	2700-5000K
DT8	○	**1T9507DA8**
DT8	◐	**1T9510DA8**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO DOWNLIGHT

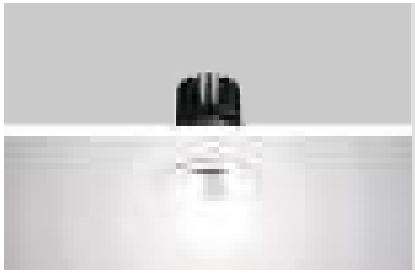
	Code
	1T5349DA8

Wireless control unit for DALI8 fixtures.
It generates a local DALI8 bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

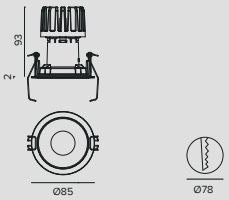
	Code
	1T5352DA8

IP20 Extender for wireless control of DALI8 fixtures.
It generates a local DALI8 bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO DOWNLIGHT



78



LED / 12W / REFLECTOR / FL (39°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8546EL**	**1T8547EL**	**1T8548EL**	**1T8549EL**
EL.	●	**1T8558EL**	**1T8559EL**	**1T8560EL**	**1T8561EL**
DALI	○	**1T8546DA**	**1T8547DA**	**1T8548DA**	**1T8549DA**
DALI	●	**1T8558DA**	**1T8559DA**	**1T8560DA**	**1T8561DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

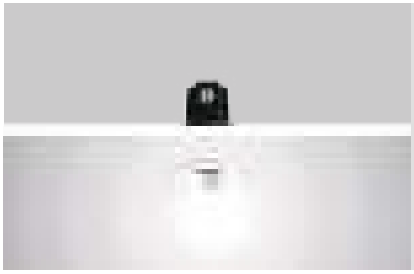
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

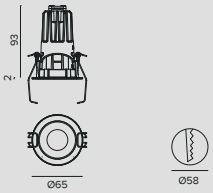
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO DOWNLIGHT



58



LED / 8,2W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8266EL**	**1T8267EL**	**1T8268EL**	**1T8269EL**
EL.	●	**1T8274EL**	**1T8275EL**	**1T8276EL**	**1T8277EL**
DALI	○	**1T8266DA**	**1T8267DA**	**1T8268DA**	**1T8269DA**
DALI	●	**1T8274DA**	**1T8275DA**	**1T8276DA**	**1T8277DA**

LED / 8,2W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8270EL**	**1T8271EL**	**1T8272EL**	**1T8273EL**
EL.	●	**1T8278EL**	**1T8279EL**	**1T8280EL**	**1T8281EL**
DALI	○	**1T8270DA**	**1T8271DA**	**1T8272DA**	**1T8273DA**
DALI	●	**1T8278DA**	**1T8279DA**	**1T8280DA**	**1T8281DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

Code
1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

CCTEVO DOWNLIGHT

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEvo WALL WASHER

GENERAL INFO
Recessed LED downlight in a trim or trimless version.
Ø160mm Ø105mm Ø78mm

LED
High efficiency LED Chip on Board with Ra80-Ra90
From 1156lm to 4049lm
2700K – 3000K – 3500K - 4000K

PRODUCT EFFICACY
Up to 101lm/W

OPTICS
WW

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Die-cast aluminium dissipator. Reflector in a reflective metallised thermoplastic material with high luminous efficiency and visual comfort.
Silicone seal to make it watertight and dust proof.

ON DEMAND

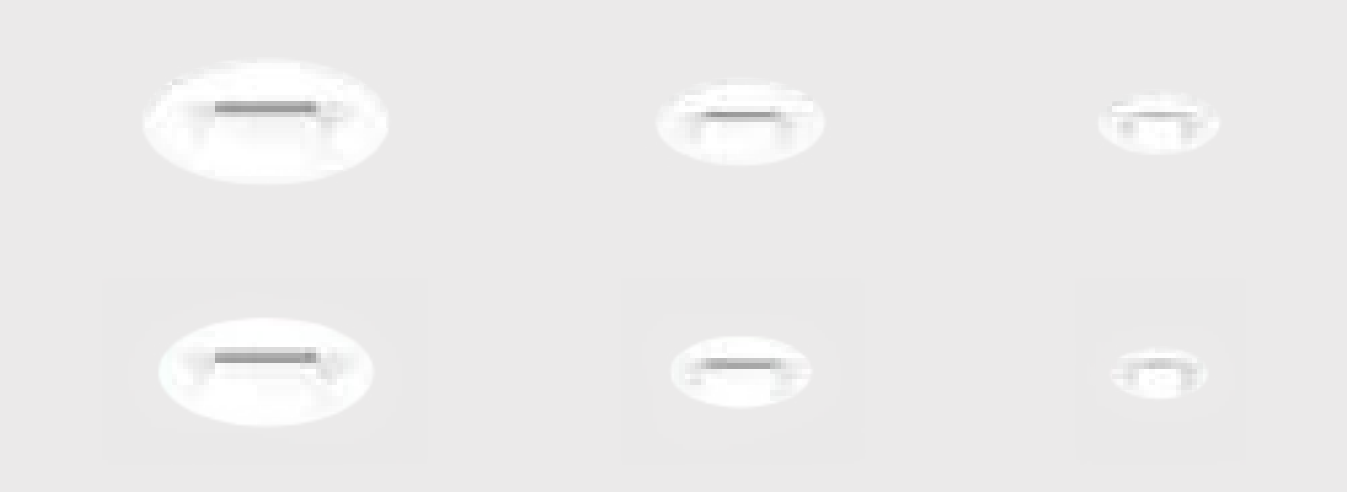
Easy Custom Colour

110-277Vac power supply

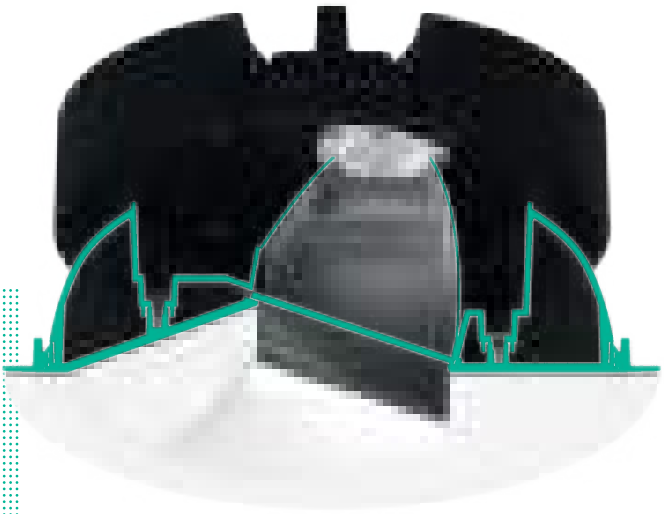
Ra80

A range of recessed fixtures for uniform lighting of large vertical surfaces. Equipped with an innovative wall washer optical system it provides very clean, wide and uniform beams with excellent light diffusion from very close to the floor. Available in three different sizes (ø160mm, ø105mm and ø78mm), in a trim (with a ring) and a trimless version in two different finishes with a carefully studied design for maximum integration into the architecture.

		Ø 160mm	Ø 105mm	Ø 78mm
LED	Flux (lm)	2720-4643	1925-2035	1496-1581
	Power	21-32W	15W	12W
OPTICS				
WW	Reflector	•	•	•



Plus



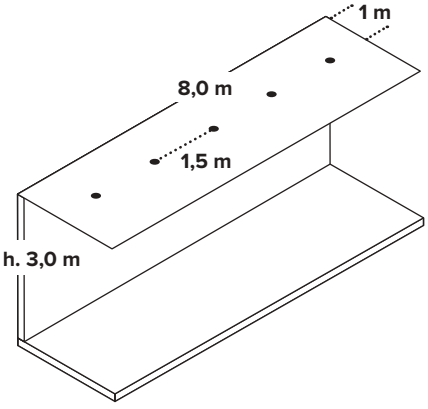
Maximum integration

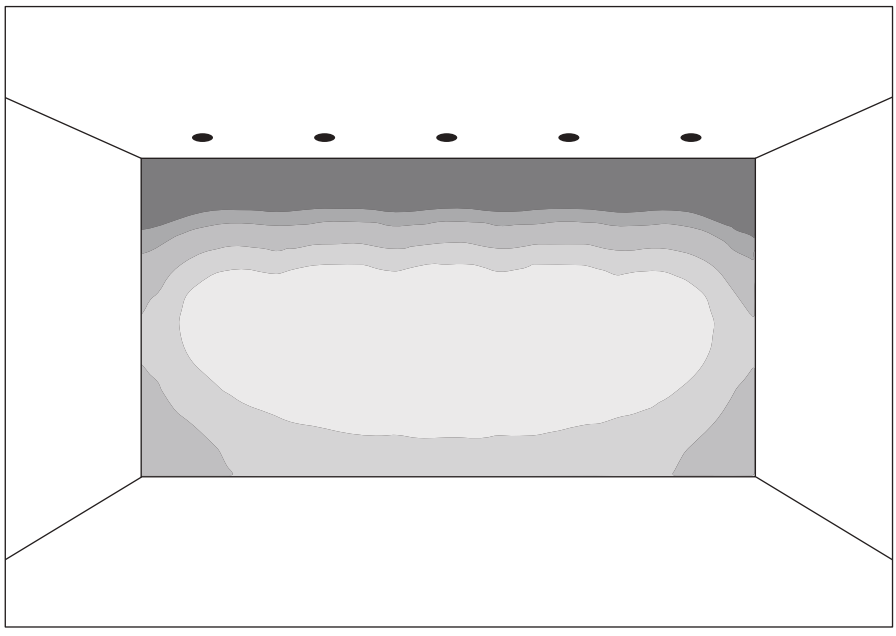
The design of CCTEvo Wall Washer was carefully studied to ensure the best lighting performance and total formal simplicity for perfect integration into the environment.

Ideal for lighting large vertical surfaces

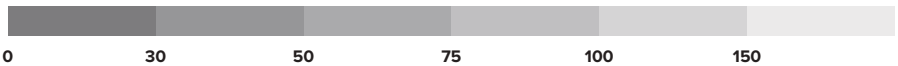
The Wall Washer optical system was designed for particular vertical light distribution. On installation with the right ratio of 1 to 3 between the distance from the wall and the height of the same a uniform effect can be obtained thanks to a clean and well controlled beam that avoids light dispersion where not necessary. The optic also guarantees accurate luminance control towards the observer.

CCTEvo Wall Washer
Ø78mm
12W
1557lm



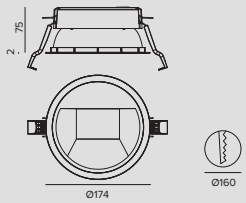


Illuminance [lx]



CCTEVO WALL WASHER

160



LED / 21W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8315EL**	**1T8318EL**	**1T8321EL**	**1T8324EL**
EL.	●	**1T8351EL**	**1T8354EL**	**1T8357EL**	**1T8360EL**
DALI	○	**1T8315DA**	**1T8318DA**	**1T8321DA**	**1T8324DA**
DALI	●	**1T8351DA**	**1T8354DA**	**1T8357DA**	**1T8360DA**

LED / 32W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8316EL**	**1T8319EL**	**1T8322EL**	**1T8325EL**
EL.	●	**1T8352EL**	**1T8355EL**	**1T8358EL**	**1T8361EL**
DALI	○	**1T8316DA**	**1T8319DA**	**1T8322DA**	**1T8325DA**
DALI	●	**1T8352DA**	**1T8355DA**	**1T8358DA**	**1T8361DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Ra80 TRIM version: to order this version it is necessary to add the suffix “80” at the end of the standard code.

Accessories

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

CCTEVO WALL WASHER

Control systems

	Code
	1T5349

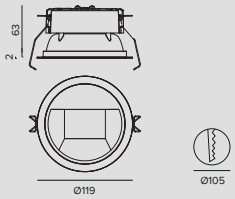
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO WALL WASHER

105



LED / 15W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8415EL**	**1T8417EL**	**1T8419EL**	**1T8421EL**
EL.	●	**1T8439EL**	**1T8441EL**	**1T8443EL**	**1T8445EL**
DALI	○	**1T8415DA**	**1T8417DA**	**1T8419DA**	**1T8421DA**
DALI	●	**1T8439DA**	**1T8441DA**	**1T8443DA**	**1T8445DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

Code
1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

Code
1T5349

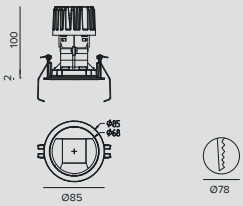
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

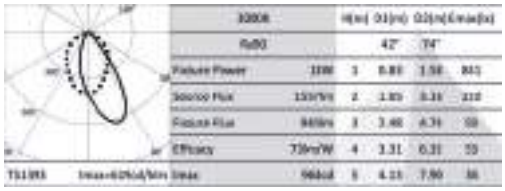
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO WALL WASHER

78



LED / 12W / WALL WASHER



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8550EL**	**1T8551EL**	**1T8552EL**	**1T8553EL**
EL.	●	**1T8562EL**	**1T8563EL**	**1T8564EL**	**1T8565EL**
DALI	○	**1T8550DA**	**1T8551DA**	**1T8552DA**	**1T8553DA**
DALI	●	**1T8562DA**	**1T8563DA**	**1T8564DA**	**1T8565DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Emergency Kit

Code
1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEvo ARCHITECTURAL

GENERAL INFO
Adjustable recessed LED projector
in a trim or trimless version
ø160mm ø105mm ø78mm ø58mm

LED
High efficiency LED Chip on Board with Ra90
From 528lm to 7313lm
2700K – 3000K – 3500K - 4000K

PRODUCT EFFICACY
Up to 103lm/W

OPTICS
NSP - SP - FL - MWFL - WFL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
ø160mm and ø105mm - Painted black or white die-cast aluminium body and dissipator.
ø78mm - Die-cast aluminium body and dissipator.
ø58mm - Black or white moulded plastic optic holders and die-cast aluminium dissipator.
Available in a trim version with an integrated ring or trimless with a supporting element for installation and smoothing in plasterboard.

ON DEMAND
Easy Custom Colour
110-277Vac power supply
Ra80

A range of recessed projectors in the CCTEvo range. Available in four different sizes with different lumen packages and four luminous emissions, CCTEvo Architectural comes in a double version, trim (with a ring) or trimless, for complete integration into the architecture.

The VCR aiming system is a system that makes it possible to have a tilt up to 40° on the vertical plane and 358° on the horizontal plane without the need for any other mechanical blocking system. For the Ø 160mm and Ø 105mm versions there is however a mechanical blocking system and a graduated ring.
It is also possible to choose from different colour combinations for wide design flexibility.

		Ø 160mm	Ø 105mm	Ø 78mm	Ø 58mm
LED	Flux (lm)	611-7313	528-2227	849-1577	816-1158
	Power	7,1-64W	5,7-19W	9,3-12W	8,2-9,5W
OPTICS					
NSP	Reflector	•	•		
	Lens	•	•		
SP	Reflector	•	•	•	•
	Lens	•	•		
FL	Reflector	•	•	•	•
	Lens	•	•		
MWFL	Reflector	•	•	•	
	Lens	•	•		
WFL	Reflector	•			•

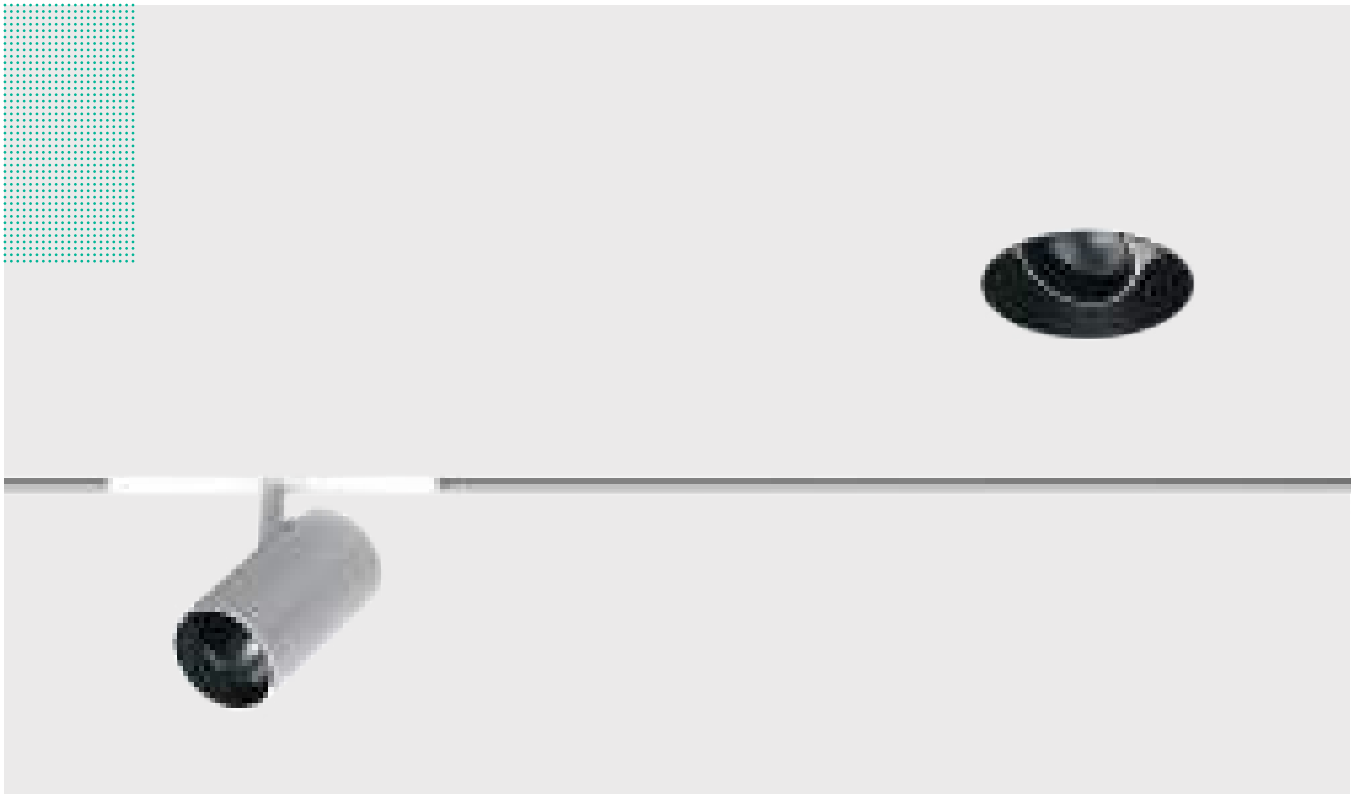
Plus

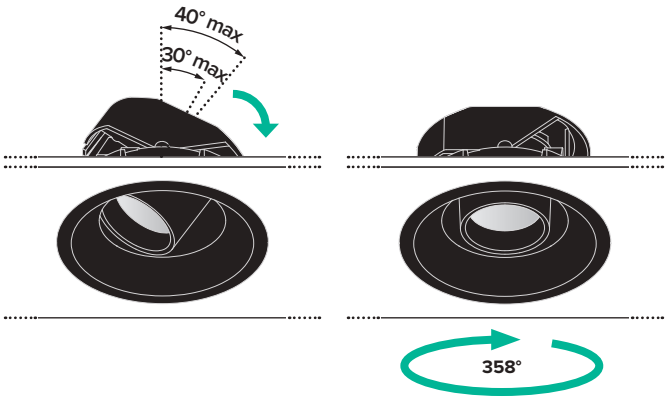
A real recessed projector

The heart of CCTEvo Architectural is a really versatile and professional performance projector. Four different sizes, two optical systems, four different emissions and different lumen packages for all sizes. A really complete range.

Family feeling

CCTEvo Architectural is designed to coordinate with projectors in the Label range with the aim of creating aesthetic and performance continuity between products with different installation types (track projectors, adjustable recesses projectors and recessed extractable projectors).





	Adjustability vertical plane	Adjustability horizontal plane	Pointing
ø 160mm	max 40° (except for 64W version)	358°	Mechanical locking system and graduated scale
ø 105mm	max 30°	358°	Mechanical locking system and graduated scale
ø 78mm	max 30°	358°	Mechanical locking system (with access from the false ceiling)
ø 58mm	max 30°	-	Friction locking system

Maximum project flexibility

The VCR aiming system is a system that by combining rotation and translation makes it possible to have a tilt up to 40° on the vertical plane and 358° on the horizontal plane without the need for any other mechanical blocking system.
For the Ø 160mm and Ø 105mm versions there is however a mechanical blocking system and a graduated ring that makes it possible to easily replicate aiming between multiple products even before installation.

Plus

Optic system
with lense

Optic system
with reflector

Two optical systems

CCTEvo Architectural is an extremely flexible tool. The different optical systems available allow for NSP, SP, FL and MWFL beam openings. Sizes ø 160mm and ø 105mm provide the possibility to choose from two different optical systems – with a reflector for soft effects with low visual contrast and lenses for more defined beams – extending the choice of solutions on offer further.

Reflector

Lens

A

B

C

Each project with its own finish

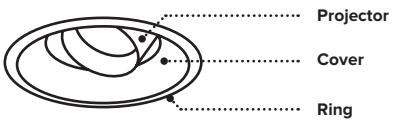
To provide maximum integration with all environments the CCTEvo Architectural ring, cover and projector are available in black or white in different colour combinations for maximum flexibility.

*** On request it is possible to customise the ring by choosing from the many colour combinations in the Colours range and RAL colours available.**

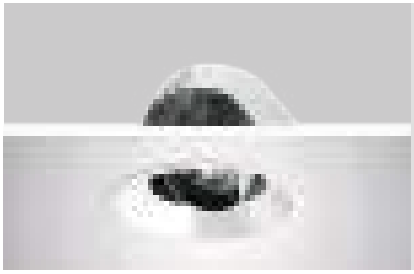
targetti.com/downloads

	A	B	C
Projector	●	○	○
Cover	●	●	○
Ring	●	○	○

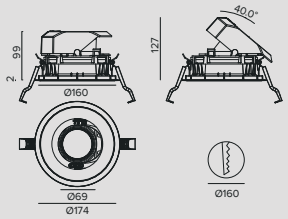
○ Plaster White ● Deep Black



CCTEVO ARCHITECTURAL



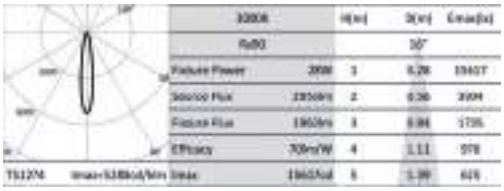
160



LED / 12W / REFLECTOR / NSP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8578EL**	**1T8579EL**	**1T8580EL**	**1T8581EL**
EL.	●	**1T8618EL**	**1T8619EL**	**1T8620EL**	**1T8621EL**
EL.	◑	**1T8370EL**	**1T8371EL**	**1T8372EL**	**1T8373EL**
DALI	○	**1T8578DA**	**1T8579DA**	**1T8580DA**	**1T8581DA**
DALI	●	**1T8618DA**	**1T8619DA**	**1T8620DA**	**1T8621DA**
DALI	◑	**1T8370DA**	**1T8371DA**	**1T8372DA**	**1T8373DA**

LED / 25W / REFLECTOR / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8582EL**	**1T8585EL**	**1T8588EL**	**1T8591EL**
EL.	●	**1T8622EL**	**1T8625EL**	**1T8628EL**	**1T8631EL**
EL.	◑	**1T8374EL**	**1T8377EL**	**1T8380EL**	**1T8383EL**
DALI	○	**1T8582DA**	**1T8585DA**	**1T8588DA**	**1T8591DA**
DALI	●	**1T8622DA**	**1T8625DA**	**1T8628DA**	**1T8631DA**
DALI	◑	**1T8374DA**	**1T8377DA**	**1T8380DA**	**1T8383DA**

LED / 31W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8583EL**	**1T8586EL**	**1T8589EL**	**1T8592EL**
EL.	●	**1T8623EL**	**1T8626EL**	**1T8629EL**	**1T8632EL**
EL.	◑	**1T8375EL**	**1T8378EL**	**1T8381EL**	**1T8384EL**
DALI	○	**1T8583DA**	**1T8586DA**	**1T8589DA**	**1T8592DA**
DALI	●	**1T8623DA**	**1T8626DA**	**1T8629DA**	**1T8632DA**
DALI	◑	**1T8375DA**	**1T8378DA**	**1T8381DA**	**1T8384DA**

LED / 25W / REFLECTOR / FL (27°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8594EL**	**1T8597EL**	**1T8600EL**	**1T8603EL**
EL.	●	**1T8634EL**	**1T8637EL**	**1T8640EL**	**1T8643EL**
EL.	◑	**1T8386EL**	**1T8389EL**	**1T8392EL**	**1T8395EL**
DALI	○	**1T8594DA**	**1T8597DA**	**1T8600DA**	**1T8603DA**
DALI	●	**1T8634DA**	**1T8637DA**	**1T8640DA**	**1T8643DA**
DALI	◑	**1T8386DA**	**1T8389DA**	**1T8392DA**	**1T8395DA**

LED / 31W / REFLECTOR / FL (33°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8595EL**	**1T8598EL**	**1T8601EL**	**1T8604EL**
EL.	●	**1T8635EL**	**1T8638EL**	**1T8641EL**	**1T8644EL**
EL.	◑	**1T8387EL**	**1T8390EL**	**1T8393EL**	**1T8396EL**
DALI	○	**1T8595DA**	**1T8598DA**	**1T8601DA**	**1T8604DA**
DALI	●	**1T8635DA**	**1T8638DA**	**1T8641DA**	**1T8644DA**
DALI	◑	**1T8387DA**	**1T8390DA**	**1T8393DA**	**1T8396DA**

CCTEVO ARCHITECTURAL

LED / 25W / REFLECTOR / FL (40°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8606EL**	**1T8609EL**	**1T8612EL**	**1T8615EL**
EL.	●	**1T8646EL**	**1T8649EL**	**1T8652EL**	**1T8655EL**
EL.	◑	**1T8494EL**	**1T8497EL**	**1T8500EL**	**1T8503EL**
DALI	○	**1T8606DA**	**1T8609DA**	**1T8612DA**	**1T8615DA**
DALI	●	**1T8646DA**	**1T8649DA**	**1T8652DA**	**1T8655DA**
DALI	◑	**1T8494DA**	**1T8497DA**	**1T8500DA**	**1T8503DA**

LED / 31W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8607EL**	**1T8610EL**	**1T8613EL**	**1T8616EL**
EL.	●	**1T8647EL**	**1T8650EL**	**1T8653EL**	**1T8656EL**
EL.	◑	**1T8495EL**	**1T8498EL**	**1T8501EL**	**1T8504EL**
DALI	○	**1T8607DA**	**1T8610DA**	**1T8613DA**	**1T8616DA**
DALI	●	**1T8647DA**	**1T8650DA**	**1T8653DA**	**1T8656DA**
DALI	◑	**1T8495DA**	**1T8498DA**	**1T8501DA**	**1T8504DA**

LED / 7,1W / LENS / NSP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8506EL**	**1T8507EL**	**1T8508EL**	**1T8509EL**
EL.	●	**1T8570EL**	**1T8571EL**	**1T8572EL**	**1T8573EL**
EL.	◑	**1T8666EL**	**1T8667EL**	**1T8668EL**	**1T8669EL**
DALI	○	**1T8506DA**	**1T8507DA**	**1T8508DA**	**1T8509DA**
DALI	●	**1T8570DA**	**1T8571DA**	**1T8572DA**	**1T8573DA**
DALI	◑	**1T8666DA**	**1T8667DA**	**1T8668DA**	**1T8669DA**

LED / 25W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8510EL**	**1T8511EL**	**1T8512EL**	**1T8513EL**
EL.	●	**1T8574EL**	**1T8575EL**	**1T8576EL**	**1T8577EL**
EL.	◑	**1T8670EL**	**1T8671EL**	**1T8672EL**	**1T8673EL**
DALI	○	**1T8510DA**	**1T8511DA**	**1T8512DA**	**1T8513DA**
DALI	●	**1T8574DA**	**1T8575DA**	**1T8576DA**	**1T8577DA**
DALI	◑	**1T8670DA**	**1T8671DA**	**1T8672DA**	**1T8673DA**

LED / 25W / LENS / FL (26°)

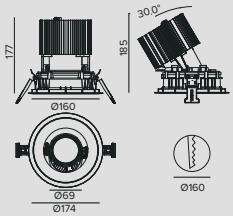
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8514EL**	**1T8515EL**	**1T8516EL**	**1T8517EL**
EL.	●	**1T8658EL**	**1T8659EL**	**1T8660EL**	**1T8661EL**
EL.	◑	**1T8674EL**	**1T8675EL**	**1T8676EL**	**1T8677EL**
DALI	○	**1T8514DA**	**1T8515DA**	**1T8516DA**	**1T8517DA**
DALI	●	**1T8658DA**	**1T8659DA**	**1T8660DA**	**1T8661DA**
DALI	◑	**1T8674DA**	**1T8675DA**	**1T8676DA**	**1T8677DA**

LED / 25W / LENS / MWFL

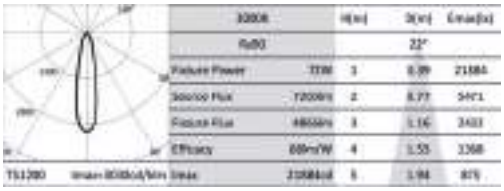
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8566EL**	**1T8567EL**	**1T8568EL**	**1T8569EL**
EL.	●	**1T8662EL**	**1T8663EL**	**1T8664EL**	**1T8665EL**
EL.	◑	**1T8678EL**	**1T8679EL**	**1T8680EL**	**1T8681EL**
DALI	○	**1T8566DA**	**1T8567DA**	**1T8568DA**	**1T8569DA**
DALI	●	**1T8662DA**	**1T8663DA**	**1T8664DA**	**1T8665DA**
DALI	◑	**1T8678DA**	**1T8679DA**	**1T8680DA**	**1T8681DA**

CCTEVO ARCHITECTURAL

160 64W

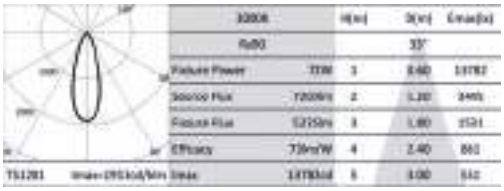


LED / 64W / REFLECTOR / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8584EL**	**1T8587EL**	**1T8590EL**	**1T8593EL**
EL.	●	**1T8624EL**	**1T8627EL**	**1T8630EL**	**1T8633EL**
EL.	◑	**1T8376EL**	**1T8379EL**	**1T8382EL**	**1T8385EL**
DALI	○	**1T8584DA**	**1T8587DA**	**1T8590DA**	**1T8593DA**
DALI	●	**1T8624DA**	**1T8627DA**	**1T8630DA**	**1T8633DA**
DALI	◑	**1T8376DA**	**1T8379DA**	**1T8382DA**	**1T8385DA**

LED / 64W / REFLECTOR / FL (33°)



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8596EL**	**1T8599EL**	**1T8602EL**	**1T8605EL**
EL.	●	**1T8636EL**	**1T8639EL**	**1T8642EL**	**1T8645EL**
EL.	◑	**1T8388EL**	**1T8391EL**	**1T8394EL**	**1T8397EL**
DALI	○	**1T8596DA**	**1T8599DA**	**1T8602DA**	**1T8605DA**
DALI	●	**1T8636DA**	**1T8639DA**	**1T8642DA**	**1T8645DA**
DALI	◑	**1T8388DA**	**1T8391DA**	**1T8394DA**	**1T8397DA**

LED / 64W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8608EL**	**1T8611EL**	**1T8614EL**	**1T8617EL**
EL.	●	**1T8648EL**	**1T8651EL**	**1T8654EL**	**1T8657EL**
EL.	◑	**1T8496EL**	**1T8499EL**	**1T8502EL**	**1T8505EL**
DALI	○	**1T8608DA**	**1T8611DA**	**1T8614DA**	**1T8617DA**
DALI	●	**1T8648DA**	**1T8651DA**	**1T8654DA**	**1T8657DA**
DALI	◑	**1T8496DA**	**1T8499DA**	**1T8502DA**	**1T8505DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Filter

Ø	Code
63	**1T8094**

Holographic PMMA filter with blade of light effect.
Allows the beam to be made oval; combined with spot and flood optics the effect appears more pronounced.
Cannot be used with version from 64/W.

Grid

Ø	Code
63	**1T8093**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.
Cannot be used with version from 64/W.

CCTEVO ARCHITECTURAL

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Control systems

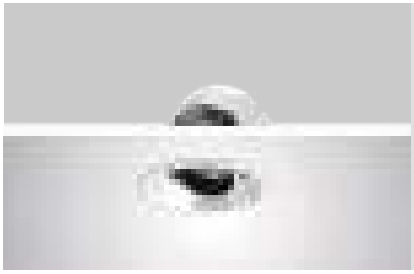
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

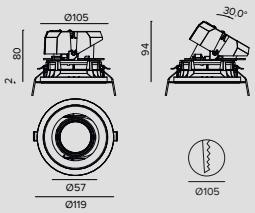
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO ARCHITECTURAL



105



LED / 5,7W / REFLECTOR / NSP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8698EL**	**1T8699EL**	**1T8700EL**	**1T8701EL**
EL.	●	**1T8738EL**	**1T8739EL**	**1T8740EL**	**1T8741EL**
EL.	◑	**1T8728EL**	**1T8731EL**	**1T8734EL**	**1T8737EL**
DALI	○	**1T8698DA**	**1T8699DA**	**1T8700DA**	**1T8701DA**
DALI	●	**1T8738DA**	**1T8739DA**	**1T8740DA**	**1T8741DA**
DALI	◑	**1T8728DA**	**1T8731DA**	**1T8734DA**	**1T8737DA**

LED / 13,1W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8702EL**	**1T8705EL**	**1T8708EL**	**1T8711EL**
EL.	●	**1T8742EL**	**1T8745EL**	**1T8748EL**	**1T8751EL**
EL.	◑	**1T8744EL**	**1T8750EL**	**1T8756EL**	**1T8762EL**
DALI	○	**1T8702DA**	**1T8705DA**	**1T8708DA**	**1T8711DA**
DALI	●	**1T8742DA**	**1T8745DA**	**1T8748DA**	**1T8751DA**
DALI	◑	**1T8744DA**	**1T8750DA**	**1T8756DA**	**1T8762DA**

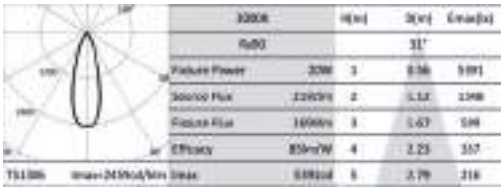
LED / 19W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8703EL**	**1T8706EL**	**1T8709EL**	**1T8712EL**
EL.	●	**1T8743EL**	**1T8746EL**	**1T8749EL**	**1T8752EL**
EL.	◑	**1T8747EL**	**1T8753EL**	**1T8759EL**	**1T8765EL**
DALI	○	**1T8703DA**	**1T8706DA**	**1T8709DA**	**1T8712DA**
DALI	●	**1T8743DA**	**1T8746DA**	**1T8749DA**	**1T8752DA**
DALI	◑	**1T8747DA**	**1T8753DA**	**1T8759DA**	**1T8765DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8714EL**	**1T8717EL**	**1T8720EL**	**1T8723EL**
EL.	●	**1T8754EL**	**1T8757EL**	**1T8760EL**	**1T8763EL**
EL.	◑	**1T8768EL**	**1T8774EL**	**1T8778EL**	**1T8780EL**
DALI	○	**1T8714DA**	**1T8717DA**	**1T8720DA**	**1T8723DA**
DALI	●	**1T8754DA**	**1T8757DA**	**1T8760DA**	**1T8763DA**
DALI	◑	**1T8768DA**	**1T8774DA**	**1T8778DA**	**1T8780DA**

LED / 18W / REFLECTOR / FL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8715EL**	**1T8718EL**	**1T8721EL**	**1T8724EL**
EL.	●	**1T8755EL**	**1T8758EL**	**1T8761EL**	**1T8764EL**
EL.	◑	**1T8771EL**	**1T8777EL**	**1T8779EL**	**1T8781EL**
DALI	○	**1T8715DA**	**1T8718DA**	**1T8721DA**	**1T8724DA**
DALI	●	**1T8755DA**	**1T8758DA**	**1T8761DA**	**1T8764DA**
DALI	◑	**1T8771DA**	**1T8777DA**	**1T8779DA**	**1T8781DA**

CCTEVO ARCHITECTURAL

LED / 12W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8726EL**	**1T8729EL**	**1T8732EL**	**1T8735EL**
EL.	●	**1T8766EL**	**1T8769EL**	**1T8772EL**	**1T8775EL**
EL.	◑	**1T8782EL**	**1T8784EL**	**1T8786EL**	**1T8788EL**
DALI	○	**1T8726DA**	**1T8729DA**	**1T8732DA**	**1T8735DA**
DALI	●	**1T8766DA**	**1T8769DA**	**1T8772DA**	**1T8775DA**
DALI	◑	**1T8782DA**	**1T8784DA**	**1T8786DA**	**1T8788DA**

LED / 18W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8727EL**	**1T8730EL**	**1T8733EL**	**1T8736EL**
EL.	●	**1T8767EL**	**1T8770EL**	**1T8773EL**	**1T8776EL**
EL.	◑	**1T8783EL**	**1T8785EL**	**1T8787EL**	**1T8789EL**
DALI	○	**1T8727DA**	**1T8730DA**	**1T8733DA**	**1T8736DA**
DALI	●	**1T8767DA**	**1T8770DA**	**1T8773DA**	**1T8776DA**
DALI	◑	**1T8783DA**	**1T8785DA**	**1T8787DA**	**1T8789DA**

LED / 5,7W / LENS / NSP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7830EL**	**1T7831EL**	**1T7832EL**	**1T7833EL**
EL.	●	**1T7882EL**	**1T7883EL**	**1T7884EL**	**1T7885EL**
EL.	◑	**1T8790EL**	**1T8791EL**	**1T8792EL**	**1T8793EL**
DALI	○	**1T7830DA**	**1T7831DA**	**1T7832DA**	**1T7833DA**
DALI	●	**1T7882DA**	**1T7883DA**	**1T7884DA**	**1T7885DA**
DALI	◑	**1T8790DA**	**1T8791DA**	**1T8792DA**	**1T8793DA**

LED / 13,1W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7834EL**	**1T7836EL**	**1T7838EL**	**1T7840EL**
EL.	●	**1T8682EL**	**1T8684EL**	**1T8686EL**	**1T8688EL**
EL.	◑	**1T8794EL**	**1T8796EL**	**1T8798EL**	**1T8800EL**
DALI	○	**1T7834DA**	**1T7836DA**	**1T7838DA**	**1T7840DA**
DALI	●	**1T8682DA**	**1T8684DA**	**1T8686DA**	**1T8688DA**
DALI	◑	**1T8794DA**	**1T8796DA**	**1T8798DA**	**1T8800DA**

LED / 19W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7835EL**	**1T7837EL**	**1T7839EL**	**1T7841EL**
EL.	●	**1T8683EL**	**1T8685EL**	**1T8687EL**	**1T8689EL**
EL.	◑	**1T8795EL**	**1T8797EL**	**1T8799EL**	**1T8801EL**
DALI	○	**1T7835DA**	**1T7837DA**	**1T7839DA**	**1T7841DA**
DALI	●	**1T8683DA**	**1T8685DA**	**1T8687DA**	**1T8689DA**
DALI	◑	**1T8795DA**	**1T8797DA**	**1T8799DA**	**1T8801DA**

LED / 12W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7854EL**	**1T7856EL**	**1T7858EL**	**1T7860EL**
EL.	●	**1T8690EL**	**1T8692EL**	**1T8694EL**	**1T8696EL**
EL.	◑	**1T8802EL**	**1T8804EL**	**1T8806EL**	**1T8808EL**
DALI	○	**1T7854DA**	**1T7856DA**	**1T7858DA**	**1T7860DA**
DALI	●	**1T8690DA**	**1T8692DA**	**1T8694DA**	**1T8696DA**
DALI	◑	**1T8802DA**	**1T8804DA**	**1T8806DA**	**1T8808DA**

CCTEVO ARCHITECTURAL

LED / 18W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7855EL**	**1T7857EL**	**1T7859EL**	**1T7861EL**
EL.	●	**1T8691EL**	**1T8693EL**	**1T8695EL**	**1T8697EL**
EL.	◑	**1T8803EL**	**1T8805EL**	**1T8807EL**	**1T8809EL**
DALI	○	**1T7855DA**	**1T7857DA**	**1T7859DA**	**1T7861DA**
DALI	●	**1T8691DA**	**1T8693DA**	**1T8695DA**	**1T8697DA**
DALI	◑	**1T8803DA**	**1T8805DA**	**1T8807DA**	**1T8809DA**

LED / 12W / LENS / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7862EL**	**1T7864EL**	**1T7878EL**	**1T7880EL**
EL.	●	**1T8704EL**	**1T8710EL**	**1T8716EL**	**1T8722EL**
EL.	◑	**1T8810EL**	**1T8812EL**	**1T8814EL**	**1T8816EL**
DALI	○	**1T7862DA**	**1T7864DA**	**1T7878DA**	**1T7880DA**
DALI	●	**1T8704DA**	**1T8710DA**	**1T8716DA**	**1T8722DA**
DALI	◑	**1T8810DA**	**1T8812DA**	**1T8814DA**	**1T8816DA**

LED / 18W / LENS / MWFL

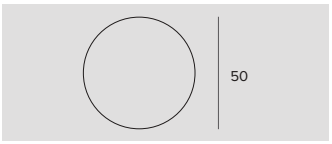
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7863EL**	**1T7865EL**	**1T7879EL**	**1T7881EL**
EL.	●	**1T8707EL**	**1T8713EL**	**1T8719EL**	**1T8725EL**
EL.	◑	**1T8811EL**	**1T8813EL**	**1T8815EL**	**1T8817EL**
DALI	○	**1T7863DA**	**1T7865DA**	**1T7879DA**	**1T7881DA**
DALI	●	**1T8707DA**	**1T8713DA**	**1T8719DA**	**1T8725DA**
DALI	◑	**1T8811DA**	**1T8813DA**	**1T8815DA**	**1T8817DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

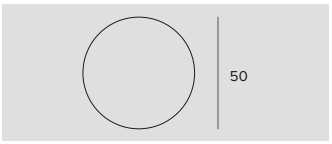
Filter



Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid



Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

CCTEVO ARCHITECTURAL

Control systems

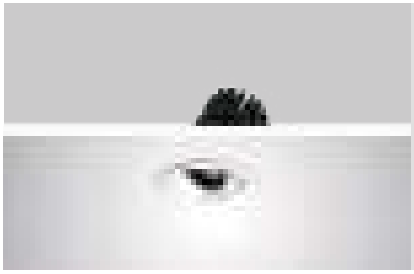
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

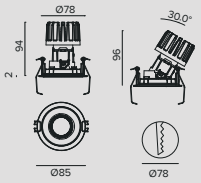
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO ARCHITECTURAL



78



LED / 9,3W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7886EL**	**1T7887EL**	**1T7888EL**	**1T7889EL**
EL.	●	**1T8826EL**	**1T8827EL**	**1T8828EL**	**1T8829EL**
EL.	◑	**1T8838EL**	**1T8839EL**	**1T8840EL**	**1T8841EL**
DALI	○	**1T7886DA**	**1T7887DA**	**1T7888DA**	**1T7889DA**
DALI	●	**1T8826DA**	**1T8827DA**	**1T8828DA**	**1T8829DA**
DALI	◑	**1T8838DA**	**1T8839DA**	**1T8840DA**	**1T8841DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8818EL**	**1T8819EL**	**1T8820EL**	**1T8821EL**
EL.	●	**1T8830EL**	**1T8831EL**	**1T8832EL**	**1T8833EL**
EL.	◑	**1T8842EL**	**1T8843EL**	**1T8844EL**	**1T8845EL**
DALI	○	**1T8818DA**	**1T8819DA**	**1T8820DA**	**1T8821DA**
DALI	●	**1T8830DA**	**1T8831DA**	**1T8832DA**	**1T8833DA**
DALI	◑	**1T8842DA**	**1T8843DA**	**1T8844DA**	**1T8845DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8822EL**	**1T8823EL**	**1T8824EL**	**1T8825EL**
EL.	●	**1T8834EL**	**1T8835EL**	**1T8836EL**	**1T8837EL**
EL.	◑	**1T8846EL**	**1T8847EL**	**1T8848EL**	**1T8849EL**
DALI	○	**1T8822DA**	**1T8823DA**	**1T8824DA**	**1T8825DA**
DALI	●	**1T8834DA**	**1T8835DA**	**1T8836DA**	**1T8837DA**
DALI	◑	**1T8846DA**	**1T8847DA**	**1T8848DA**	**1T8849DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Filter

Ø	Code
34	**1T6931**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid

Ø	Code
34	**1T6930**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

CCTEVO ARCHITECTURAL

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Control systems

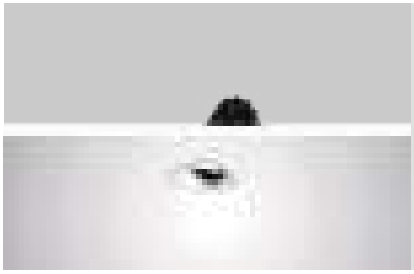
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

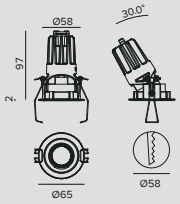
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO ARCHITECTURAL



58



LED / 9,5W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8446EL**	**1T8447EL**	**1T8448EL**	**1T8449EL**
EL.	●	**1T8470EL**	**1T8471EL**	**1T8472EL**	**1T8473EL**
EL.	◑	**1T8458EL**	**1T8459EL**	**1T8460EL**	**1T8461EL**
DALI	○	**1T8446DA**	**1T8447DA**	**1T8448DA**	**1T8449DA**
DALI	●	**1T8470DA**	**1T8471DA**	**1T8472DA**	**1T8473DA**
DALI	◑	**1T8458DA**	**1T8459DA**	**1T8460DA**	**1T8461DA**

LED / 8,2W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8450EL**	**1T8451EL**	**1T8452EL**	**1T8453EL**
EL.	●	**1T8474EL**	**1T8475EL**	**1T8476EL**	**1T8477EL**
EL.	◑	**1T8462EL**	**1T8463EL**	**1T8464EL**	**1T8465EL**
DALI	○	**1T8450DA**	**1T8451DA**	**1T8452DA**	**1T8453DA**
DALI	●	**1T8474DA**	**1T8475DA**	**1T8476DA**	**1T8477DA**
DALI	◑	**1T8462DA**	**1T8463DA**	**1T8464DA**	**1T8465DA**

LED / 8,2W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8454EL**	**1T8455EL**	**1T8456EL**	**1T8457EL**
EL.	●	**1T8478EL**	**1T8479EL**	**1T8480EL**	**1T8481EL**
EL.	◑	**1T8466EL**	**1T8467EL**	**1T8468EL**	**1T8469EL**
DALI	○	**1T8454DA**	**1T8455DA**	**1T8456DA**	**1T8457DA**
DALI	●	**1T8478DA**	**1T8479DA**	**1T8480DA**	**1T8481DA**
DALI	◑	**1T8466DA**	**1T8467DA**	**1T8468DA**	**1T8469DA**

Note

Trimless version: to order this version it is necessary to add the suffix “TR” to the end of the standard code.

Accessories

Mounting System

	L	Code
	2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

CCTEVO ARCHITECTURAL

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEvo EXTRACTABLE

GENERAL INFO
Adjustable extractable recessed LED projector. Ø162mm Ø125mm

LED
High efficiency LED Chip on Board with Ra90. From 516lm to 6354lm 2700K – 3000K – 3500K - 4000K

PRODUCT EFFICACY
Up to 96lm/W

OPTICS
NSP - SP - FL - MWFL - WFL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Black or white painted die-cast aluminium body and dissipator. Available in a trim version with an integrated black or white ring.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

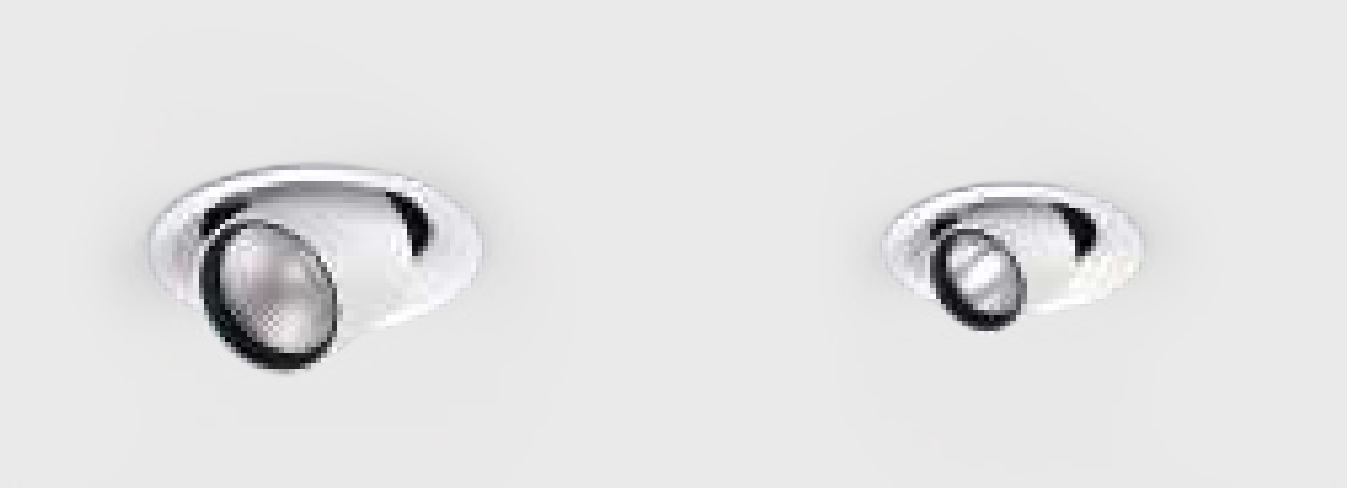
Ra80

A range of professional performance extractable recessed projectors with extensive flexibility. The projector can be set back completely for maximum formal simplicity or extracted up to 75° and adjusted up to -25°/+75° on the vertical plane and 355° on the horizontal one with a manual aiming system.

Available in two different sizes ø162mm and ø125mm, four colour temperatures, two optical systems and five different luminous emissions.

A complete range of professional lighting solutions. Size ø125mm can be equipped with two different optical systems, with a reflector for softer beams and with lenses for more precise, defined beams.

		Ø 162mm	Ø 125mm
LED	Flux (lm)	3012-6354	516-2216
	Power	24-48W	5,7-19W
OPTICS			
NSP	Reflector		•
	Lens		•
SP	Reflector	•	•
	Lens		•
FL	Reflector	•	•
	Lens		•
MWFL	Reflector	•	•
	Lens		•
WFL	Reflector	•	



Plus

Two optical systems

CCTEvo Extractable is an extremely flexible tool. The different optical systems available allow for NSP, SP, FL, MWFL and WFL beam openings. Size ø 125mm can be equipped with two different optical systems - with a reflector for soft effects with low visual contrast and lenses for more defined beams – extending the choice of solutions on offer further.

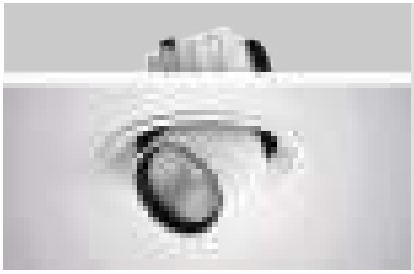
Maximum adjustability

For both sizes the optical unit can be adjusted from 75° to -25° on the vertical plane and 355° on the horizontal plane. The optical unit can even be setback into the false ceiling.

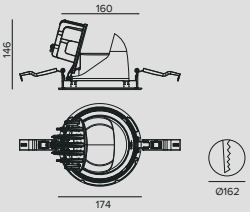
Optic system with lense

Optic system with reflector

CCTEVO EXTRACTABLE



162



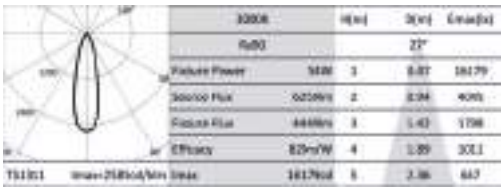
LED / 24W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9100EL**	**1T9103EL**	**1T9106EL**	**1T9109EL**
EL.	●	**1T9148EL**	**1T9151EL**	**1T9154EL**	**1T9157EL**
DALI	○	**1T9100DA**	**1T9103DA**	**1T9106DA**	**1T9109DA**
DALI	●	**1T9148DA**	**1T9151DA**	**1T9154DA**	**1T9157DA**

LED / 36W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9101EL**	**1T9104EL**	**1T9107EL**	**1T9110EL**
EL.	●	**1T9149EL**	**1T9152EL**	**1T9155EL**	**1T9158EL**
DALI	○	**1T9101DA**	**1T9104DA**	**1T9107DA**	**1T9110DA**
DALI	●	**1T9149DA**	**1T9152DA**	**1T9155DA**	**1T9158DA**

LED / 48W / REFLECTOR / FL (27°)



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9102EL**	**1T9105EL**	**1T9108EL**	**1T9111EL**
EL.	●	**1T9150EL**	**1T9153EL**	**1T9156EL**	**1T9159EL**
DALI	○	**1T9102DA**	**1T9105DA**	**1T9108DA**	**1T9111DA**
DALI	●	**1T9150DA**	**1T9153DA**	**1T9156DA**	**1T9159DA**

LED / 24W / REFLECTOR / FL (32°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9112EL**	**1T9115EL**	**1T9118EL**	**1T9121EL**
EL.	●	**1T9160EL**	**1T9163EL**	**1T9166EL**	**1T9169EL**
DALI	○	**1T9112DA**	**1T9115DA**	**1T9118DA**	**1T9121DA**
DALI	●	**1T9160DA**	**1T9163DA**	**1T9166DA**	**1T9169DA**

LED / 36W / REFLECTOR / FL (32°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9113EL**	**1T9116EL**	**1T9119EL**	**1T9122EL**
EL.	●	**1T9161EL**	**1T9164EL**	**1T9167EL**	**1T9170EL**
DALI	○	**1T9113DA**	**1T9116DA**	**1T9119DA**	**1T9122DA**
DALI	●	**1T9161DA**	**1T9164DA**	**1T9167DA**	**1T9170DA**

CCTEVO EXTRACTABLE

LED / 48W / REFLECTOR / FL (37°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9114EL**	**1T9117EL**	**1T9120EL**	**1T9123EL**
EL.	●	**1T9162EL**	**1T9165EL**	**1T9168EL**	**1T9171EL**
DALI	○	**1T9114DA**	**1T9117DA**	**1T9120DA**	**1T9123DA**
DALI	●	**1T9162DA**	**1T9165DA**	**1T9168DA**	**1T9171DA**

LED / 24W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9124EL**	**1T9127EL**	**1T9130EL**	**1T9133EL**
EL.	●	**1T9172EL**	**1T9175EL**	**1T9178EL**	**1T9181EL**
DALI	○	**1T9124DA**	**1T9127DA**	**1T9130DA**	**1T9133DA**
DALI	●	**1T9172DA**	**1T9175DA**	**1T9178DA**	**1T9181DA**

LED / 36W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9125EL**	**1T9128EL**	**1T9131EL**	**1T9134EL**
EL.	●	**1T9173EL**	**1T9176EL**	**1T9179EL**	**1T9182EL**
DALI	○	**1T9125DA**	**1T9128DA**	**1T9131DA**	**1T9134DA**
DALI	●	**1T9173DA**	**1T9176DA**	**1T9179DA**	**1T9182DA**

LED / 48W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9126EL**	**1T9129EL**	**1T9132EL**	**1T9135EL**
EL.	●	**1T9174EL**	**1T9177EL**	**1T9180EL**	**1T9183EL**
DALI	○	**1T9126DA**	**1T9129DA**	**1T9132DA**	**1T9135DA**
DALI	●	**1T9174DA**	**1T9177DA**	**1T9180DA**	**1T9183DA**

LED / 24W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9136EL**	**1T9139EL**	**1T9142EL**	**1T9145EL**
EL.	●	**1T9184EL**	**1T9187EL**	**1T9190EL**	**1T9193EL**
DALI	○	**1T9136DA**	**1T9139DA**	**1T9142DA**	**1T9145DA**
DALI	●	**1T9184DA**	**1T9187DA**	**1T9190DA**	**1T9193DA**

LED / 36W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9137EL**	**1T9140EL**	**1T9143EL**	**1T9146EL**
EL.	●	**1T9185EL**	**1T9188EL**	**1T9191EL**	**1T9194EL**
DALI	○	**1T9137DA**	**1T9140DA**	**1T9143DA**	**1T9146DA**
DALI	●	**1T9185DA**	**1T9188DA**	**1T9191DA**	**1T9194DA**

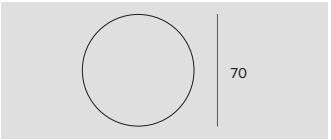
CCTEVO EXTRACTABLE

LED / 48W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9138EL**	**1T9141EL**	**1T9144EL**	**1T9147EL**
EL.	●	**1T9186EL**	**1T9189EL**	**1T9192EL**	**1T9195EL**
DALI	○	**1T9138DA**	**1T9141DA**	**1T9144DA**	**1T9147DA**
DALI	●	**1T9186DA**	**1T9189DA**	**1T9192DA**	**1T9195DA**

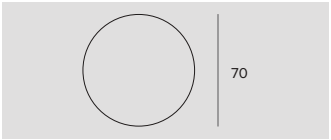
Accessories

Filter



Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 48/W.



Ø	Code
70	**1T1709**

Flat glass wired refractive diffusive filter.
This softens the luminous effect.
To be completed with an additional holder ring for Cloud, Ray Mini, Sore, Label 9 and CCTEVO Extractable 162.
Cannot be used with version from 36/48W.

Grid

Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 48/W.

Cut-off

Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.
Cannot be used with version from 48/W.

Holder Ring

Code
1T3727

Transparent polycarbonate accessory holder ring.

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

CCTEVO EXTRACTABLE

Control systems

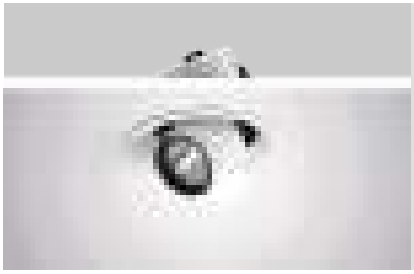
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

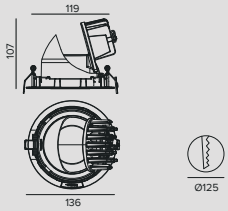
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO EXTRACTABLE



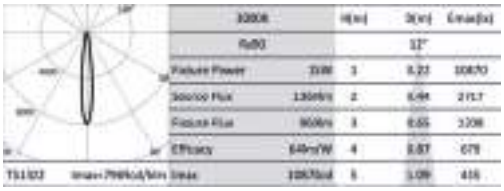
125



LED / 5,7W / REFLECTOR / NSP

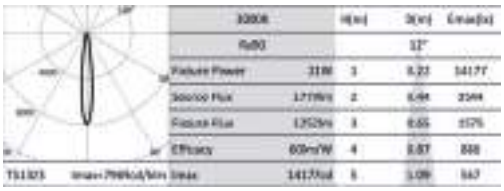
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9196EL**	**1T9197EL**	**1T9198EL**	**1T9199EL**
EL.	●	**1T9252EL**	**1T9253EL**	**1T9254EL**	**1T9255EL**
DALI	○	**1T9196DA**	**1T9197DA**	**1T9198DA**	**1T9199DA**
DALI	●	**1T9252DA**	**1T9253DA**	**1T9254DA**	**1T9255DA**

LED / 13W / REFLECTOR / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9200EL**	**1T9202EL**	**1T9204EL**	**1T9206EL**
EL.	●	**1T9256EL**	**1T9258EL**	**1T9260EL**	**1T9262EL**
DALI	○	**1T9200DA**	**1T9202DA**	**1T9204DA**	**1T9206DA**
DALI	●	**1T9256DA**	**1T9258DA**	**1T9260DA**	**1T9262DA**

LED / 19W / REFLECTOR / SP

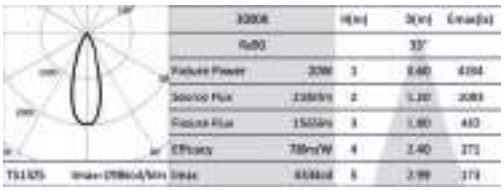


Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9201EL**	**1T9203EL**	**1T9205EL**	**1T9207EL**
EL.	●	**1T9257EL**	**1T9259EL**	**1T9261EL**	**1T9263EL**
DALI	○	**1T9201DA**	**1T9203DA**	**1T9205DA**	**1T9207DA**
DALI	●	**1T9257DA**	**1T9259DA**	**1T9261DA**	**1T9263DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9208EL**	**1T9210EL**	**1T9212EL**	**1T9214EL**
EL.	●	**1T9264EL**	**1T9266EL**	**1T9268EL**	**1T9270EL**
DALI	○	**1T9208DA**	**1T9210DA**	**1T9212DA**	**1T9214DA**
DALI	●	**1T9264DA**	**1T9266DA**	**1T9268DA**	**1T9270DA**

LED / 17W / REFLECTOR / FL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9209EL**	**1T9211EL**	**1T9213EL**	**1T9215EL**
EL.	●	**1T9265EL**	**1T9267EL**	**1T9269EL**	**1T9271EL**
DALI	○	**1T9209DA**	**1T9211DA**	**1T9213DA**	**1T9215DA**
DALI	●	**1T9265DA**	**1T9267DA**	**1T9269DA**	**1T9271DA**

CCTEVO EXTRACTABLE

LED / 12W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9216EL**	**1T9218EL**	**1T9220EL**	**1T9222EL**
EL.	●	**1T9272EL**	**1T9274EL**	**1T9276EL**	**1T9278EL**
DALI	○	**1T9216DA**	**1T9218DA**	**1T9220DA**	**1T9222DA**
DALI	●	**1T9272DA**	**1T9274DA**	**1T9276DA**	**1T9278DA**

LED / 17W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9217EL**	**1T9219EL**	**1T9221EL**	**1T9223EL**
EL.	●	**1T9273EL**	**1T9275EL**	**1T9277EL**	**1T9279EL**
DALI	○	**1T9217DA**	**1T9219DA**	**1T9221DA**	**1T9223DA**
DALI	●	**1T9273DA**	**1T9275DA**	**1T9277DA**	**1T9279DA**

LED / 5,7W / LENS / NSP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9224EL**	**1T9225EL**	**1T9226EL**	**1T9227EL**
EL.	●	**1T9280EL**	**1T9281EL**	**1T9282EL**	**1T9283EL**
DALI	○	**1T9224DA**	**1T9225DA**	**1T9226DA**	**1T9227DA**
DALI	●	**1T9280DA**	**1T9281DA**	**1T9282DA**	**1T9283DA**

LED / 13W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9228EL**	**1T9230EL**	**1T9232EL**	**1T9234EL**
EL.	●	**1T9284EL**	**1T9286EL**	**1T9288EL**	**1T9290EL**
DALI	○	**1T9228DA**	**1T9230DA**	**1T9232DA**	**1T9234DA**
DALI	●	**1T9284DA**	**1T9286DA**	**1T9288DA**	**1T9290DA**

LED / 19W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9229EL**	**1T9231EL**	**1T9233EL**	**1T9235EL**
EL.	●	**1T9285EL**	**1T9287EL**	**1T9289EL**	**1T9291EL**
DALI	○	**1T9229DA**	**1T9231DA**	**1T9233DA**	**1T9235DA**
DALI	●	**1T9285DA**	**1T9287DA**	**1T9289DA**	**1T9291DA**

LED / 12W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9236EL**	**1T9238EL**	**1T9240EL**	**1T9242EL**
EL.	●	**1T9292EL**	**1T9294EL**	**1T9296EL**	**1T9298EL**
DALI	○	**1T9236DA**	**1T9238DA**	**1T9240DA**	**1T9242DA**
DALI	●	**1T9292DA**	**1T9294DA**	**1T9296DA**	**1T9298DA**

CCTEVO EXTRACTABLE

LED / 17W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9237EL**	**1T9239EL**	**1T9241EL**	**1T9243EL**
EL.	●	**1T9293EL**	**1T9295EL**	**1T9297EL**	**1T9299EL**
DALI	○	**1T9237DA**	**1T9239DA**	**1T9241DA**	**1T9243DA**
DALI	●	**1T9293DA**	**1T9295DA**	**1T9297DA**	**1T9299DA**

LED / 12W / LENS / MWFL

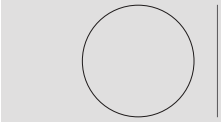
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9244EL**	**1T9246EL**	**1T9248EL**	**1T9250EL**
EL.	●	**1T9300EL**	**1T9302EL**	**1T9304EL**	**1T9306EL**
DALI	○	**1T9244DA**	**1T9246DA**	**1T9248DA**	**1T9250DA**
DALI	●	**1T9300DA**	**1T9302DA**	**1T9304DA**	**1T9306DA**

LED / 17W / LENS / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9245EL**	**1T9247EL**	**1T9249EL**	**1T9251EL**
EL.	●	**1T9301EL**	**1T9303EL**	**1T9305EL**	**1T9307EL**
DALI	○	**1T9245DA**	**1T9247DA**	**1T9249DA**	**1T9251DA**
DALI	●	**1T9301DA**	**1T9303DA**	**1T9305DA**	**1T9307DA**

Accessories

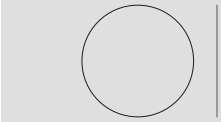
Filter



Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid



Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

CCTEVO EXTRACTABLE

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEvo GIMBAL

GENERAL INFO
Recessed adjustable LED projector.
ø125mm ø105mm

LED
High efficiency LED Chip on Board with Ra90.
From 1266lm to 3180lm
2700K – 3000K – 3500K - 4000K

PRODUCT EFFICACY
Up to 102lm/W

OPTICS
SP - FL - MWFL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Die-cast black or white painted anodised aluminium body.
Available with a black or white integrated ring.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

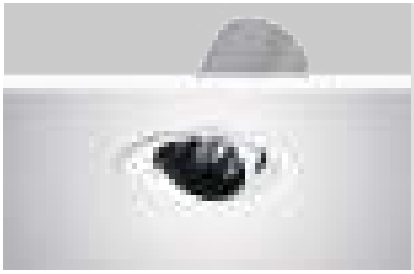
Ra80

The simplest product in the range, CCTEvo Gimbal is a recessed fixture in two different sizes - ø125mm and ø105mm - designed to meet the particular lighting needs of the retail sector. A real recessed projector with professional performance and minimal design that can be adjusted up to a +/-25°. It can be equipped with two different optical systems: with lenses for more precise, defined beams and with a reflector for softer and more uniform emissions.

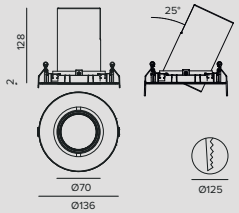
		Ø 125mm	Ø 105mm
LED	Flux (lm)	2120-3180	1266-2222
	Power	18-25W	12-19W
OPTICS			
SP	Reflector	•	•
	Lens	•	•
FL	Reflector	•	•
	Lens	•	•
MWFL	Reflector	•	•
	Lens	•	•

SWISS WATER
ARABICA
%

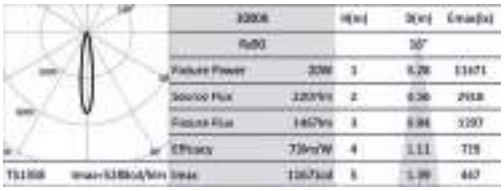
CCTEVO GIMBAL



125



LED / 18W / REFLECTOR / SP

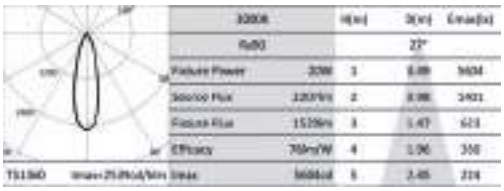


Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9308EL**	**1T9310EL**	**1T9312EL**	**1T9314EL**
EL.	●	**1T9356EL**	**1T9358EL**	**1T9360EL**	**1T9362EL**
DALI	○	**1T9308DA**	**1T9310DA**	**1T9312DA**	**1T9314DA**
DALI	●	**1T9356DA**	**1T9358DA**	**1T9360DA**	**1T9362DA**

LED / 24W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9309EL**	**1T9311EL**	**1T9313EL**	**1T9315EL**
EL.	●	**1T9357EL**	**1T9359EL**	**1T9361EL**	**1T9363EL**
DALI	○	**1T9309DA**	**1T9311DA**	**1T9313DA**	**1T9315DA**
DALI	●	**1T9357DA**	**1T9359DA**	**1T9361DA**	**1T9363DA**

LED / 18W / REFLECTOR / FL (27°)

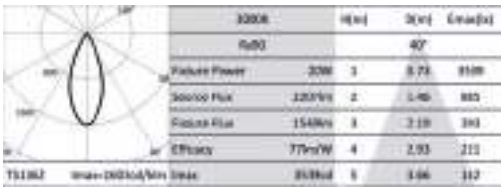


Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9316EL**	**1T9318EL**	**1T9320EL**	**1T9322EL**
EL.	●	**1T9364EL**	**1T9366EL**	**1T9368EL**	**1T9370EL**
DALI	○	**1T9316DA**	**1T9318DA**	**1T9320DA**	**1T9322DA**
DALI	●	**1T9364DA**	**1T9366DA**	**1T9368DA**	**1T9370DA**

LED / 24W / REFLECTOR / FL (33°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9317EL**	**1T9319EL**	**1T9321EL**	**1T9323EL**
EL.	●	**1T9365EL**	**1T9367EL**	**1T9369EL**	**1T9371EL**
DALI	○	**1T9317DA**	**1T9319DA**	**1T9321DA**	**1T9323DA**
DALI	●	**1T9365DA**	**1T9367DA**	**1T9369DA**	**1T9371DA**

LED / 18W / REFLECTOR / FL (40°)



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9324EL**	**1T9326EL**	**1T9328EL**	**1T9330EL**
EL.	●	**1T9372EL**	**1T9374EL**	**1T9376EL**	**1T9378EL**
DALI	○	**1T9324DA**	**1T9326DA**	**1T9328DA**	**1T9330DA**
DALI	●	**1T9372DA**	**1T9374DA**	**1T9376DA**	**1T9378DA**

CCTEVO GIMBAL

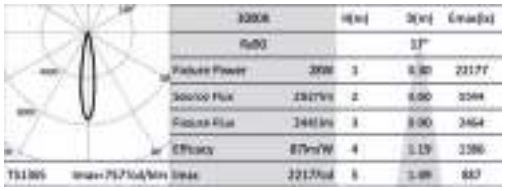
LED / 24W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9325EL**	**1T9327EL**	**1T9329EL**	**1T9331EL**
EL.	●	**1T9373EL**	**1T9375EL**	**1T9377EL**	**1T9379EL**
DALI	○	**1T9325DA**	**1T9327DA**	**1T9329DA**	**1T9331DA**
DALI	●	**1T9373DA**	**1T9375DA**	**1T9377DA**	**1T9379DA**

LED / 18W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9332EL**	**1T9334EL**	**1T9336EL**	**1T9338EL**
EL.	●	**1T9380EL**	**1T9382EL**	**1T9384EL**	**1T9386EL**
DALI	○	**1T9332DA**	**1T9334DA**	**1T9336DA**	**1T9338DA**
DALI	●	**1T9380DA**	**1T9382DA**	**1T9384DA**	**1T9386DA**

LED / 25W / LENS / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9333EL**	**1T9335EL**	**1T9337EL**	**1T9339EL**
EL.	●	**1T9381EL**	**1T9383EL**	**1T9385EL**	**1T9387EL**
DALI	○	**1T9333DA**	**1T9335DA**	**1T9337DA**	**1T9339DA**
DALI	●	**1T9381DA**	**1T9383DA**	**1T9385DA**	**1T9387DA**

LED / 18W / LENS / FL (26°)

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9340EL**	**1T9342EL**	**1T9344EL**	**1T9346EL**
EL.	●	**1T9388EL**	**1T9390EL**	**1T9392EL**	**1T9394EL**
DALI	○	**1T9340DA**	**1T9342DA**	**1T9344DA**	**1T9346DA**
DALI	●	**1T9388DA**	**1T9390DA**	**1T9392DA**	**1T9394DA**

LED / 25W / LENS / FL (26°)

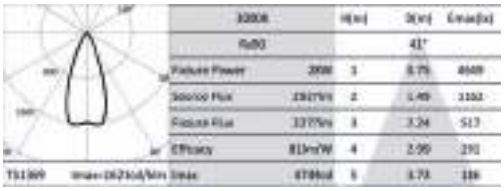
Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9341EL**	**1T9343EL**	**1T9345EL**	**1T9347EL**
EL.	●	**1T9389EL**	**1T9391EL**	**1T9393EL**	**1T9395EL**
DALI	○	**1T9341DA**	**1T9343DA**	**1T9345DA**	**1T9347DA**
DALI	●	**1T9389DA**	**1T9391DA**	**1T9393DA**	**1T9395DA**

LED / 18W / LENS / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9348EL**	**1T9350EL**	**1T9352EL**	**1T9354EL**
EL.	●	**1T9396EL**	**1T9398EL**	**1T9400EL**	**1T9402EL**
DALI	○	**1T9348DA**	**1T9350DA**	**1T9352DA**	**1T9354DA**
DALI	●	**1T9396DA**	**1T9398DA**	**1T9400DA**	**1T9402DA**

CCTEVO GIMBAL

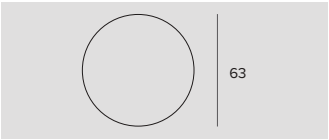
LED / 25W / LENS / MWFL



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9349EL**	**1T9351EL**	**1T9353EL**	**1T9355EL**
EL.	●	**1T9397EL**	**1T9399EL**	**1T9401EL**	**1T9403EL**
DALI	○	**1T9349DA**	**1T9351DA**	**1T9353DA**	**1T9355DA**
DALI	●	**1T9397DA**	**1T9399DA**	**1T9401DA**	**1T9403DA**

Accessories

Filter



Ø	Code
63	**1T8094**

Holographic PMMA filter with blade of light effect.
Allows the beam to be made oval; combined with spot and flood optics the effect appears more pronounced.

Grid

Ø	Code
63	**1T8093**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Control systems

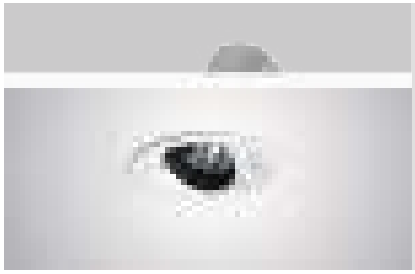
Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

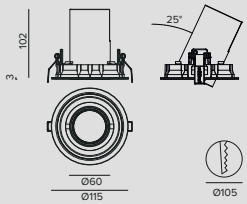
Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTEVO GIMBAL



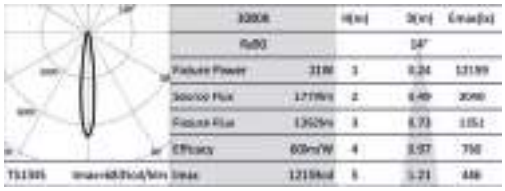
105



LED / 13W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9404EL**	**1T9406EL**	**1T9408EL**	**1T9410EL**
EL.	●	**1T9452EL**	**1T9454EL**	**1T9456EL**	**1T9458EL**
DALI	○	**1T9404DA**	**1T9406DA**	**1T9408DA**	**1T9410DA**
DALI	●	**1T9452DA**	**1T9454DA**	**1T9456DA**	**1T9458DA**

LED / 19W / REFLECTOR / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9405EL**	**1T9407EL**	**1T9409EL**	**1T9411EL**
EL.	●	**1T9453EL**	**1T9455EL**	**1T9457EL**	**1T9459EL**
DALI	○	**1T9405DA**	**1T9407DA**	**1T9409DA**	**1T9411DA**
DALI	●	**1T9453DA**	**1T9455DA**	**1T9457DA**	**1T9459DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9412EL**	**1T9414EL**	**1T9416EL**	**1T9418EL**
EL.	●	**1T9460EL**	**1T9462EL**	**1T9464EL**	**1T9466EL**
DALI	○	**1T9412DA**	**1T9414DA**	**1T9416DA**	**1T9418DA**
DALI	●	**1T9460DA**	**1T9462DA**	**1T9464DA**	**1T9466DA**

LED / 18W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9413EL**	**1T9415EL**	**1T9417EL**	**1T9419EL**
EL.	●	**1T9461EL**	**1T9463EL**	**1T9465EL**	**1T9467EL**
DALI	○	**1T9413DA**	**1T9415DA**	**1T9417DA**	**1T9419DA**
DALI	●	**1T9461DA**	**1T9463DA**	**1T9465DA**	**1T9467DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9420EL**	**1T9422EL**	**1T9424EL**	**1T9426EL**
EL.	●	**1T9468EL**	**1T9470EL**	**1T9472EL**	**1T9474EL**
DALI	○	**1T9420DA**	**1T9422DA**	**1T9424DA**	**1T9426DA**
DALI	●	**1T9468DA**	**1T9470DA**	**1T9472DA**	**1T9474DA**

CCTEVO GIMBAL

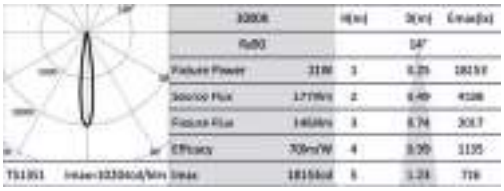
LED / 18W / REFLECTOR / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9421EL**	**1T9423EL**	**1T9425EL**	**1T9427EL**
EL.	●	**1T9469EL**	**1T9471EL**	**1T9473EL**	**1T9475EL**
DALI	○	**1T9421DA**	**1T9423DA**	**1T9425DA**	**1T9427DA**
DALI	●	**1T9469DA**	**1T9471DA**	**1T9473DA**	**1T9475DA**

LED / 13W / LENS / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9428EL**	**1T9430EL**	**1T9432EL**	**1T9434EL**
EL.	●	**1T9476EL**	**1T9478EL**	**1T9480EL**	**1T9482EL**
DALI	○	**1T9428DA**	**1T9430DA**	**1T9432DA**	**1T9434DA**
DALI	●	**1T9476DA**	**1T9478DA**	**1T9480DA**	**1T9482DA**

LED / 19W / LENS / SP



Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9429EL**	**1T9431EL**	**1T9433EL**	**1T9435EL**
EL.	●	**1T9477EL**	**1T9479EL**	**1T9481EL**	**1T9483EL**
DALI	○	**1T9429DA**	**1T9431DA**	**1T9433DA**	**1T9435DA**
DALI	●	**1T9477DA**	**1T9479DA**	**1T9481DA**	**1T9483DA**

LED / 12W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9436EL**	**1T9438EL**	**1T9440EL**	**1T9442EL**
EL.	●	**1T9484EL**	**1T9486EL**	**1T9488EL**	**1T9490EL**
DALI	○	**1T9436DA**	**1T9438DA**	**1T9440DA**	**1T9442DA**
DALI	●	**1T9484DA**	**1T9486DA**	**1T9488DA**	**1T9490DA**

LED / 18W / LENS / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9437EL**	**1T9439EL**	**1T9441EL**	**1T9443EL**
EL.	●	**1T9485EL**	**1T9487EL**	**1T9489EL**	**1T9491EL**
DALI	○	**1T9437DA**	**1T9439DA**	**1T9441DA**	**1T9443DA**
DALI	●	**1T9485DA**	**1T9487DA**	**1T9489DA**	**1T9491DA**

LED / 12W / LENS / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9444EL**	**1T9446EL**	**1T9448EL**	**1T9450EL**
EL.	●	**1T9492EL**	**1T9494EL**	**1T9496EL**	**1T9498EL**
DALI	○	**1T9444DA**	**1T9446DA**	**1T9448DA**	**1T9450DA**
DALI	●	**1T9492DA**	**1T9494DA**	**1T9496DA**	**1T9498DA**

CCTEVO GIMBAL

LED / 18W / LENS / MWFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T9445EL**	**1T9447EL**	**1T9449EL**	**1T9451EL**
EL.	◐	**1T9493EL**	**1T9495EL**	**1T9497EL**	**1T9499EL**
DALI	○	**1T9445DA**	**1T9447DA**	**1T9449DA**	**1T9451DA**
DALI	◐	**1T9493DA**	**1T9495DA**	**1T9497DA**	**1T9499DA**

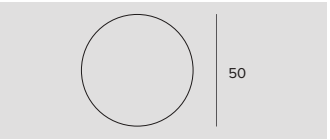
Accessories

Filter

Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid



Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Mounting System

L	Code
2500	**1T9606**

Anti-fall safety cable to secure the body of the appliance to the building structure.

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

OZ Stand Alone

Recessed

GENERAL INFO
Recessed fixed LED single or multi-optic projectors.

Small
Trimless
1x 30x30mm h.50mm
3x 80x30mm h.50mm
5x 130x30mm h.50mm
Trim
1x 35x35mm h.49mm
3x 85x35mm h.49mm
5x 135x35mm h.49mm

Large
Trimless
1x 53x53mm h.61mm
3x 153x53mm h.61mm
5x 253x53mm h.61mm
Trim
1x 60x60mm h.59mm
3x 160x60mm h.59mm
5x 260x60mm h.59mm

LED
LED emitter for the Small version
LED Chip on Board for the Large version
From 224lm to 4260lm
2700K – 3000K – 3500K - 4000K
Ra90

PRODUCT EFFICACY
Up to 99lm/W

OPTICS
SP – FL – MWFL
AM – ELT – ELL

POWER SUPPLY
Electronic remote and DALI driver for the Small versions. Electronic and DALI driver integrated into the body of the fixture for the Large versions.
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
White painted die-cast aluminium body and black polycarbonate frame.

ON DEMAND
Easy Custom Colour

110-277Vac power supply

Single or multiple downlights with miniature optical systems inspired by the 48V Oz version. Available in two different sizes, Small and Large for recessed installations. The range is enriched with the addition of three new optical systems AM for soft and diffused general lighting, ELT and ELL - with a transversal elliptical (ELT) or longitudinal beam (ELL)- , ideal for controlled lighting in corridors and passage ways.

All the optical systems available make Oz Stand Alone suitable for installation in work environments (EN12464-1).

The Large version is also available in a ceiling version with 3x and 5x modules.

		SMALL			LARGE		
		1x	3x	5x	1x	3x	5x
Ambient Optics	AM	•	•	•	•	•	•
Roto-symmetric Optics	SP				•	•	•
	FL	•	•	•	•	•	•
	WFL	•	•	•	•	•	•
Elliptical Optics	ELL		•	•		•	•
	ELT		•	•		•	•

Plus

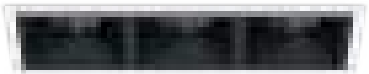
Small
1x

Small
3x

Small Trimless
1x

Small Trimless
3x

Large
1x



Large
3x

Large Trimless
1x

Large Trimless
3x

Ceiling Luminaire
3x

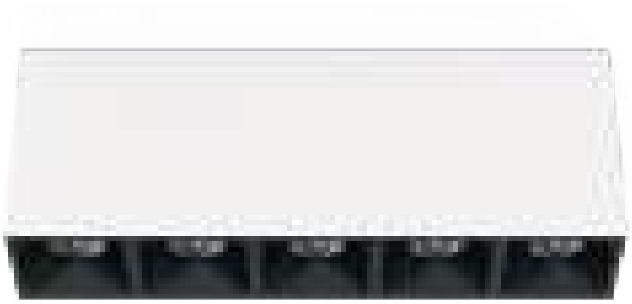
Oz Stand Alone is also available
in a ceiling version
(see page 462)

Small
5x

Small Trimless
5x

Large
5x

Large Trimless
5x



Ceiling Luminaire
5x

Great variety of solutions

Different solutions in terms of size, aesthetics, performance and installation to provide a valid solution for all project needs.

Very narrow installation depth

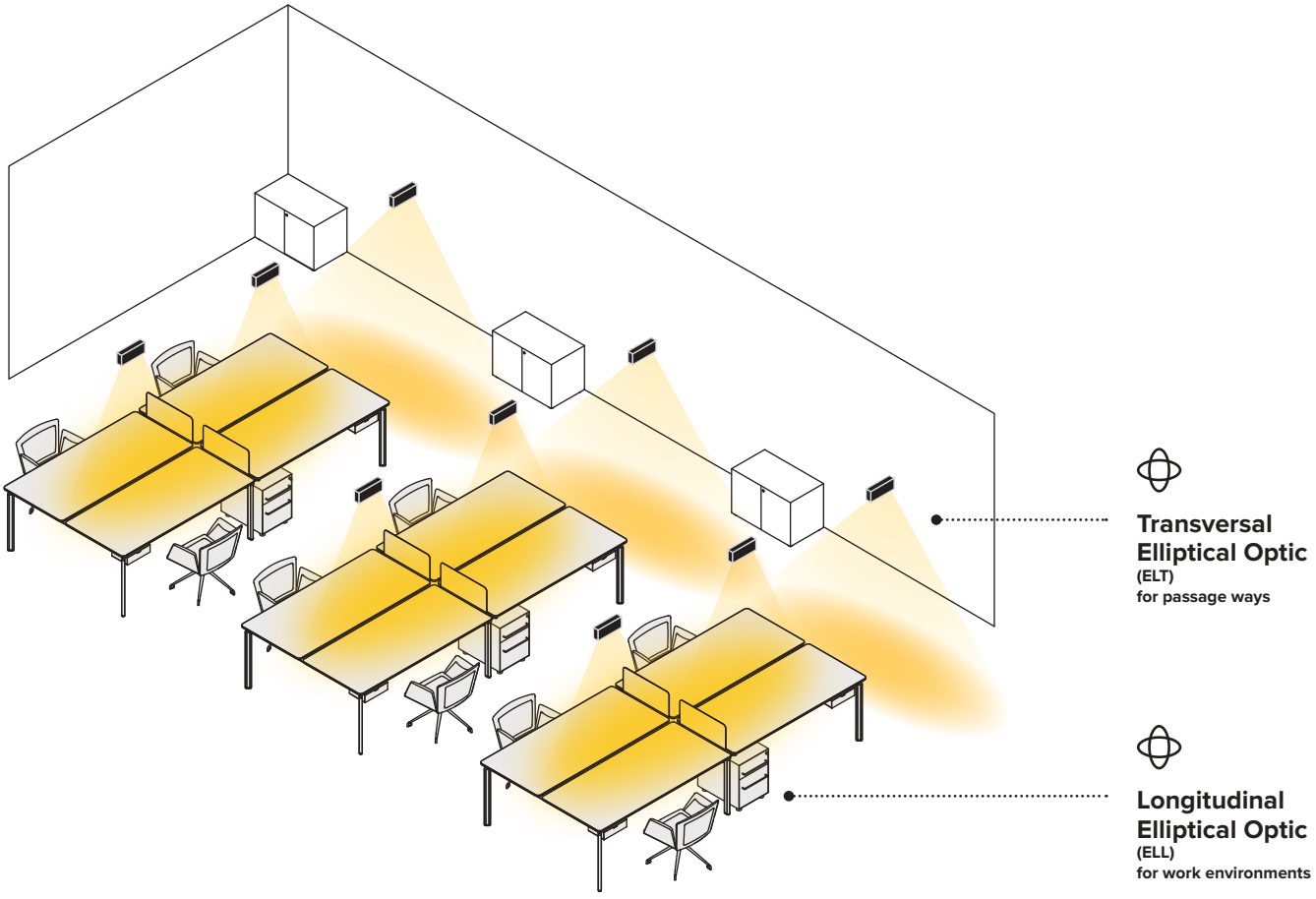
Both the Small and the Large versions have a very narrow installation depth (8 cm).

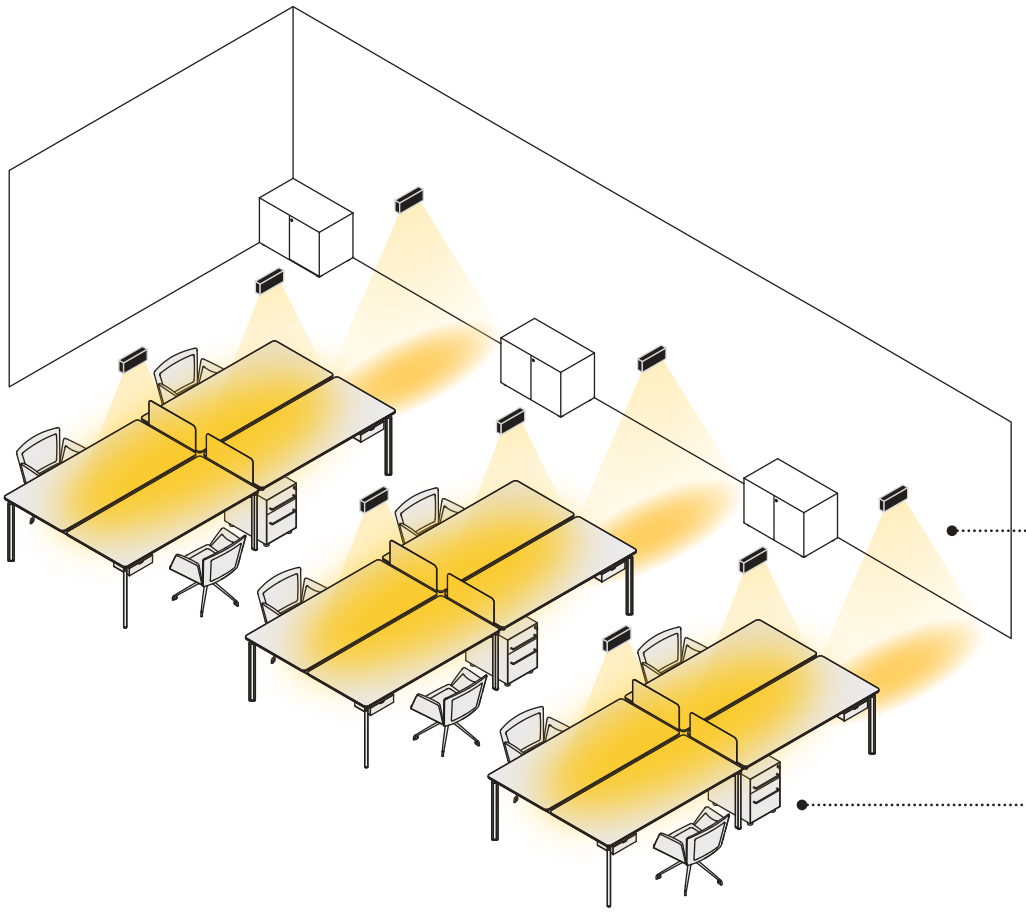
New optical systems to interpret space

The new optical systems in the Oz Stand Alone range are designed to light space while enhancing flexibility. It is possible to select the desired optical system according to the conformation of the environment and furnishings to obtain comfortable and functional light distribution in compliance with regulations governing lighting in working environments.

The different optical systems available make it possible to interpret space in different ways to satisfy different requirements and tastes.

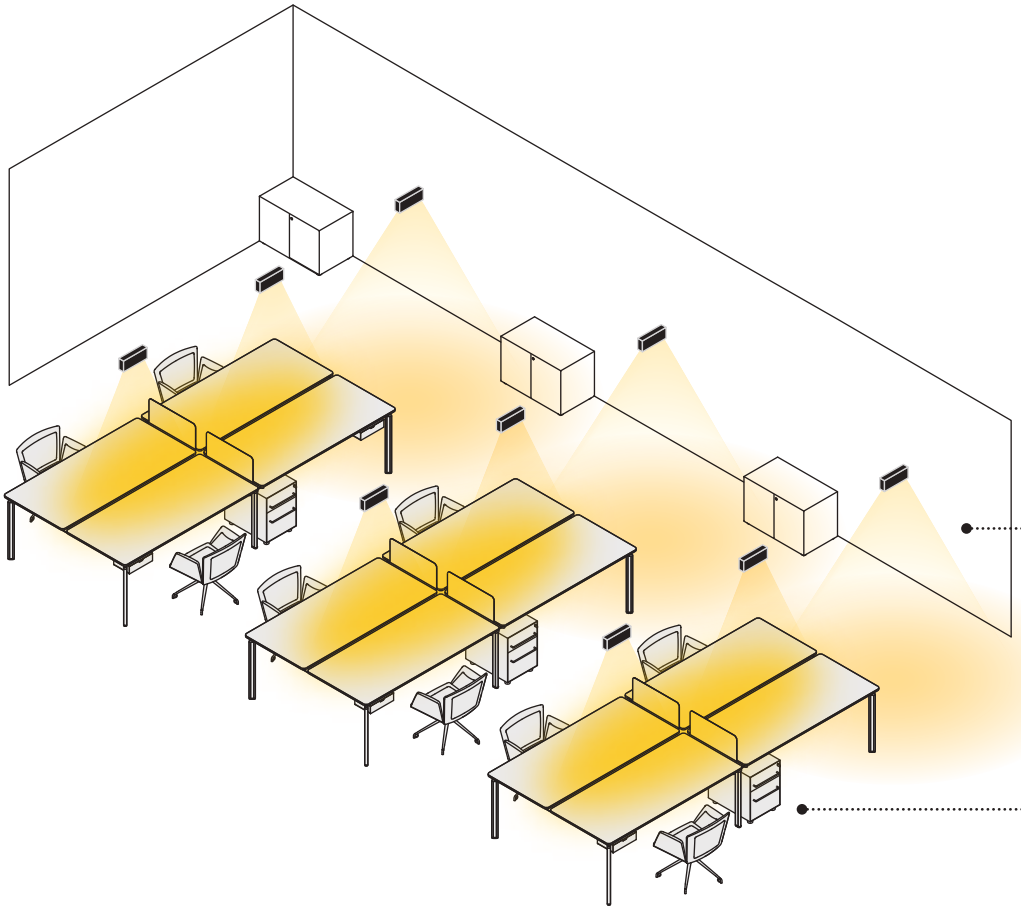
		SMALL		LARGE	
Ambient Optics	AM	UGR<14		UGR<14	
Roto-symmetric Optics	SP	UGR<13		UGR<17	
	FL	UGR<13		UGR<17	
	WFL	UGR<13		UGR<17	
Elliptical Optics	ELL	UGR<13	UGR<22	UGR<13	UGR<22
	ELT	UGR<22	UGR<13	UGR<22	UGR<13





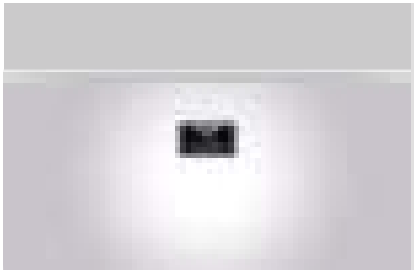
Longitudinal Elliptical Optic
(ELL)
for passage ways

Longitudinal Elliptical Optic
(ELL)
for work environments

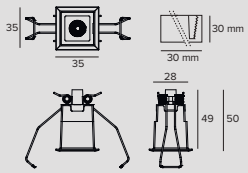


Ambient Optic
(AM)
for passage ways

Longitudinal Elliptical Optic
(ELL)
for work environments



Stand Alone Recessed
Small 1X
35x35mm



LED / 2,6W / FL

Power supply	Colour	2700K	3000K	3500K	4000K
900mA	○	**1T7606**	**1T7607**	**1T7608**	**1T7609**
900mA	●	**1T7618**	**1T7619**	**1T7620**	**1T7621**

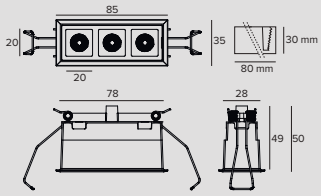
LED / 2,6W / WFL

Power supply	Colour	2700K	3000K	3500K	4000K
900mA	○	**1T7610**	**1T7611**	**1T7612**	**1T7613**
900mA	●	**1T7622**	**1T7623**	**1T7624**	**1T7625**

LED / 2,6W / AM

Power supply	Colour	2700K	3000K	3500K	4000K
900mA	○	**1T8962**	**1T8963**	**1T8964**	**1T8965**
900mA	●	**1T8966**	**1T8967**	**1T8968**	**1T8969**

Stand Alone Recessed
Small 3X
85x35mm



LED / 5,2W / FL

Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T7630**	**1T7631**	**1T7632**	**1T7633**
600mA	●	**1T7642**	**1T7643**	**1T7644**	**1T7645**

OZ

LED / 5,2W / WFL

Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T7634**	**1T7635**	**1T7636**	**1T7637**
600mA	◐	**1T7646**	**1T7647**	**1T7648**	**1T7649**

LED / 5,2W / AM

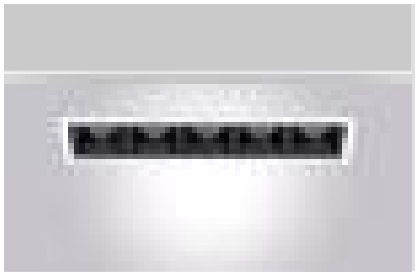
Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T8970**	**1T8971**	**1T8972**	**1T8973**
600mA	◐	**1T8982**	**1T8983**	**1T8984**	**1T8985**

LED / 5,2W / ELL

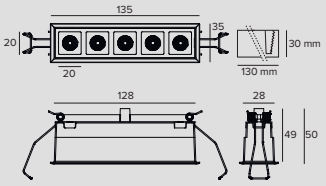
Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T8974**	**1T8975**	**1T8976**	**1T8977**
600mA	◐	**1T8986**	**1T8987**	**1T8988**	**1T8989**

LED / 5,2W / ELT

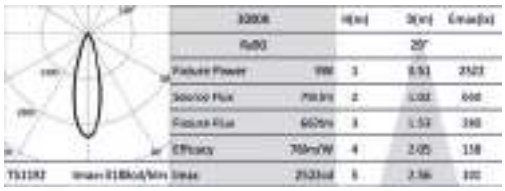
Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T8978**	**1T8979**	**1T8980**	**1T8981**
600mA	◐	**1T8990**	**1T8991**	**1T8992**	**1T8993**



Stand Alone Recessed Small 5X 135x35mm



LED / 8,7W / FL



Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T7654**	**1T7655**	**1T7656**	**1T7657**
600mA	◐	**1T7666**	**1T7667**	**1T7668**	**1T7669**

OZ

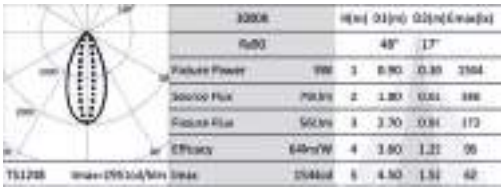
LED / 8,7W / WFL

Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T7658**	**1T7659**	**1T7660**	**1T7661**
600mA	●	**1T7670**	**1T7671**	**1T7672**	**1T7673**

LED / 8,7W / AM

Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T8994**	**1T8995**	**1T8996**	**1T8997**
600mA	●	**1T9006**	**1T9007**	**1T9008**	**1T9009**

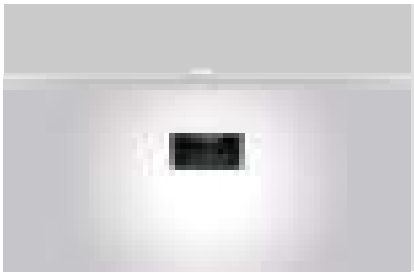
LED / 8,7W / ELL



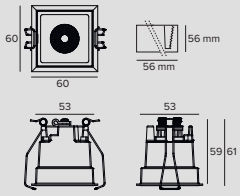
Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T8998**	**1T8999**	**1T9000**	**1T9001**
600mA	●	**1T9010**	**1T9011**	**1T9012**	**1T9013**

LED / 8,7W / ELT

Power supply	Colour	2700K	3000K	3500K	4000K
600mA	○	**1T9002**	**1T9003**	**1T9004**	**1T9005**
600mA	●	**1T9014**	**1T9015**	**1T9016**	**1T9017**



Stand Alone Recessed Large 1X 60x60mm



LED / 6W / SP

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7746EL**	**1T7747EL**	**1T7748EL**	**1T7749EL**
220-240Vac	EL.	●	**1T7758EL**	**1T7759EL**	**1T7760EL**	**1T7761EL**
220-240Vac	DALI	○	**1T7746DA**	**1T7747DA**	**1T7748DA**	**1T7749DA**
220-240Vac	DALI	●	**1T7758DA**	**1T7759DA**	**1T7760DA**	**1T7761DA**

OZ

LED / 6W / FL

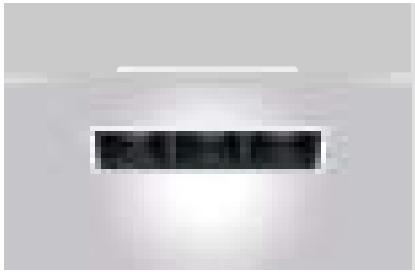
Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7750EL**	**1T7751EL**	**1T7752EL**	**1T7753EL**
220-240Vac	EL.	●	**1T7762EL**	**1T7763EL**	**1T7764EL**	**1T7765EL**
220-240Vac	DALI	○	**1T7750DA**	**1T7751DA**	**1T7752DA**	**1T7753DA**
220-240Vac	DALI	●	**1T7762DA**	**1T7763DA**	**1T7764DA**	**1T7765DA**

LED / 6W / WFL

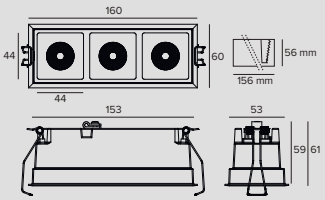
Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7754EL**	**1T7755EL**	**1T7756EL**	**1T7757EL**
220-240Vac	EL.	●	**1T7766EL**	**1T7767EL**	**1T7768EL**	**1T7769EL**
220-240Vac	DALI	○	**1T7754DA**	**1T7755DA**	**1T7756DA**	**1T7757DA**
220-240Vac	DALI	●	**1T7766DA**	**1T7767DA**	**1T7768DA**	**1T7769DA**

LED / 6W / AM

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8482EL**	**1T8483EL**	**1T8484EL**	**1T8485EL**
220-240Vac	EL.	●	**1T8486EL**	**1T8487EL**	**1T8488EL**	**1T8489EL**
220-240Vac	DALI	○	**1T8482DA**	**1T8483DA**	**1T8484DA**	**1T8485DA**
220-240Vac	DALI	●	**1T8486DA**	**1T8487DA**	**1T8488DA**	**1T8489DA**



Stand Alone Recessed Large 3X 160x60mm



LED / 18W / SP

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7770EL**	**1T7771EL**	**1T7772EL**	**1T7773EL**
220-240Vac	EL.	●	**1T7782EL**	**1T7783EL**	**1T7784EL**	**1T7785EL**
220-240Vac	DALI	○	**1T7770DA**	**1T7771DA**	**1T7772DA**	**1T7773DA**
220-240Vac	DALI	●	**1T7782DA**	**1T7783DA**	**1T7784DA**	**1T7785DA**

LED / 18W / FL

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7774EL**	**1T7775EL**	**1T7776EL**	**1T7777EL**
220-240Vac	EL.	●	**1T7786EL**	**1T7787EL**	**1T7788EL**	**1T7789EL**
220-240Vac	DALI	○	**1T7774DA**	**1T7775DA**	**1T7776DA**	**1T7777DA**
220-240Vac	DALI	●	**1T7786DA**	**1T7787DA**	**1T7788DA**	**1T7789DA**

OZ

LED / 18W / WFL

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7778EL**	**1T7779EL**	**1T7780EL**	**1T7781EL**
220-240Vac	EL.	●	**1T7790EL**	**1T7791EL**	**1T7792EL**	**1T7793EL**
220-240Vac	DALI	○	**1T7778DA**	**1T7779DA**	**1T7780DA**	**1T7781DA**
220-240Vac	DALI	●	**1T7790DA**	**1T7791DA**	**1T7792DA**	**1T7793DA**

LED / 18W / AM

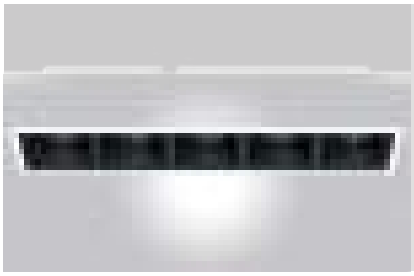
Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8490EL**	**1T8491EL**	**1T8492EL**	**1T8493EL**
220-240Vac	EL.	●	**1T8526EL**	**1T8527EL**	**1T8528EL**	**1T8529EL**
220-240Vac	DALI	○	**1T8490DA**	**1T8491DA**	**1T8492DA**	**1T8493DA**
220-240Vac	DALI	●	**1T8526DA**	**1T8527DA**	**1T8528DA**	**1T8529DA**

LED / 11W / ELL

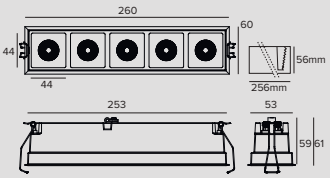
Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8518EL**	**1T8519EL**	**1T8520EL**	**1T8521EL**
220-240Vac	EL.	●	**1T8530EL**	**1T8531EL**	**1T8532EL**	**1T8533EL**
220-240Vac	DALI	○	**1T8518DA**	**1T8519DA**	**1T8520DA**	**1T8521DA**
220-240Vac	DALI	●	**1T8530DA**	**1T8531DA**	**1T8532DA**	**1T8533DA**

LED / 11W / ELT

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8522EL**	**1T8523EL**	**1T8524EL**	**1T8525EL**
220-240Vac	EL.	●	**1T8534EL**	**1T8535EL**	**1T8536EL**	**1T8537EL**
220-240Vac	DALI	○	**1T8522DA**	**1T8523DA**	**1T8524DA**	**1T8525DA**
220-240Vac	DALI	●	**1T8534DA**	**1T8535DA**	**1T8536DA**	**1T8537DA**



Stand Alone Recessed Large 5X 260x60mm



LED / 30W / SP

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7794EL**	**1T7795EL**	**1T7796EL**	**1T7797EL**
220-240Vac	EL.	●	**1T7806EL**	**1T7807EL**	**1T7808EL**	**1T7809EL**
220-240Vac	DALI	○	**1T7794DA**	**1T7795DA**	**1T7796DA**	**1T7797DA**
220-240Vac	DALI	●	**1T7806DA**	**1T7807DA**	**1T7808DA**	**1T7809DA**

OZ

LED / 30W / FL

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7798EL**	**1T7799EL**	**1T7800EL**	**1T7801EL**
220-240Vac	EL.	●	**1T7810EL**	**1T7811EL**	**1T7812EL**	**1T7813EL**
220-240Vac	DALI	○	**1T7798DA**	**1T7799DA**	**1T7800DA**	**1T7801DA**
220-240Vac	DALI	●	**1T7810DA**	**1T7811DA**	**1T7812DA**	**1T7813DA**

LED / 30W / WFL

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T7802EL**	**1T7803EL**	**1T7804EL**	**1T7805EL**
220-240Vac	EL.	●	**1T7814EL**	**1T7815EL**	**1T7816EL**	**1T7817EL**
220-240Vac	DALI	○	**1T7802DA**	**1T7803DA**	**1T7804DA**	**1T7805DA**
220-240Vac	DALI	●	**1T7814DA**	**1T7815DA**	**1T7816DA**	**1T7817DA**

LED / 30W / AM

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8538EL**	**1T8539EL**	**1T8540EL**	**1T8541EL**
220-240Vac	EL.	●	**1T8858EL**	**1T8859EL**	**1T8860EL**	**1T8861EL**
220-240Vac	DALI	○	**1T8538DA**	**1T8539DA**	**1T8540DA**	**1T8541DA**
220-240Vac	DALI	●	**1T8858DA**	**1T8859DA**	**1T8860DA**	**1T8861DA**

LED / 20W / ELL

Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8850EL**	**1T8851EL**	**1T8852EL**	**1T8853EL**
220-240Vac	EL.	●	**1T8862EL**	**1T8863EL**	**1T8864EL**	**1T8865EL**
220-240Vac	DALI	○	**1T8850DA**	**1T8851DA**	**1T8852DA**	**1T8853DA**
220-240Vac	DALI	●	**1T8862DA**	**1T8863DA**	**1T8864DA**	**1T8865DA**

LED / 20W / ELT

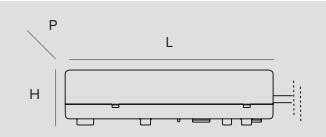
Power supply	Driver	Colour	2700K	3000K	3500K	4000K
220-240Vac	EL.	○	**1T8854EL**	**1T8855EL**	**1T8856EL**	**1T8857EL**
220-240Vac	EL.	●	**1T8866EL**	**1T8867EL**	**1T8868EL**	**1T8869EL**
220-240Vac	DALI	○	**1T8854DA**	**1T8855DA**	**1T8856DA**	**1T8857DA**
220-240Vac	DALI	●	**1T8866DA**	**1T8867DA**	**1T8868DA**	**1T8869DA**

Note

Small version: to be completed with an electronic or DALI driver. Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

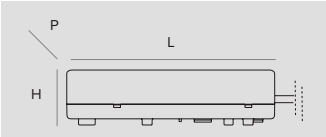
Related codes

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
110x22x52	20W	110-240Vac	600mA	IP20	**1T8172EL**
110x22x52	20W 15W	220-240Vac 110-127Vac	900mA	IP20	**1T5295EL**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output current	IP	Code
156x26x52	20W	230Vac	600mA	IP20	**1T8172DA**
156x26x52	20W	230Vac	900mA	IP20	**1T7686DA**

DALI power supply.

Accessories

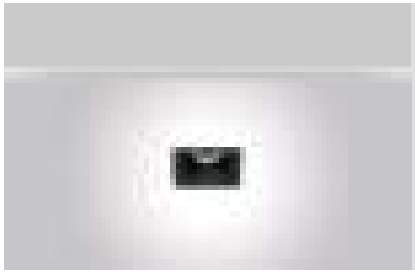
Control systems

	Code
	1T5349

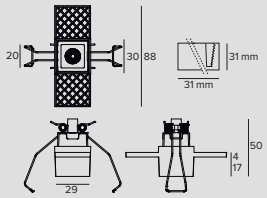
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.



Stand Alone Trimless Small 1X 30x30mm



LED / 2,6W / FL

Power supply	2700K	3000K	3500K	4000K
900mA	**1T7678**	**1T7679**	**1T7680**	**1T7681**

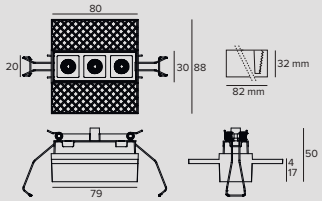
LED / 2,6W / WFL

Power supply	2700K	3000K	3500K	4000K
900mA	**1T7682**	**1T7683**	**1T7684**	**1T7685**

LED / 2,6W / AM

Power supply	2700K	3000K	3500K	4000K
900mA	**1T9018**	**1T9019**	**1T9020**	**1T9021**

Stand Alone Trimless Small 3X 80x30mm



LED / 5,2W / FL

Power supply	2700K	3000K	3500K	4000K
600mA	**1T7702**	**1T7703**	**1T7704**	**1T7705**

OZ

LED / 5,2W / WFL

Power supply	2700K	3000K	3500K	4000K
600mA	**1T7706**	**1T7707**	**1T7708**	**1T7709**

LED / 5,2W / AM

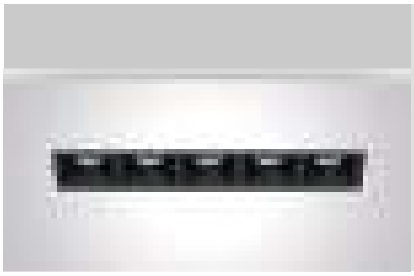
Power supply	2700K	3000K	3500K	4000K
600mA	**1T9022**	**1T9023**	**1T9024**	**1T9025**

LED / 5,2W / ELL

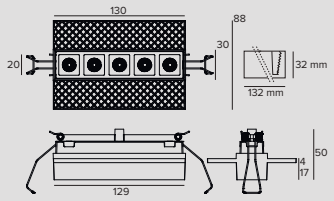
Power supply	2700K	3000K	3500K	4000K
600mA	**1T9026**	**1T9027**	**1T9028**	**1T9029**

LED / 5,2W / ELT

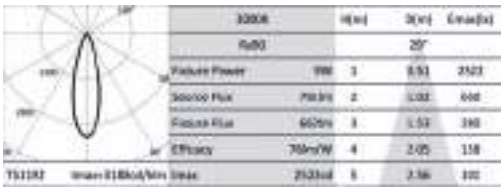
Power supply	2700K	3000K	3500K	4000K
600mA	**1T9030**	**1T9031**	**1T9032**	**1T9033**



Stand Alone Trimless Small 5X 130x30mm



LED / 8,7W / FL



Power supply	2700K	3000K	3500K	4000K
600mA	**1T7726**	**1T7727**	**1T7728**	**1T7729**

OZ

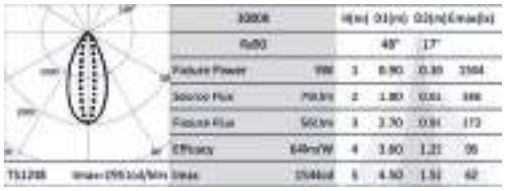
LED / 8,7W / WFL

Power supply	2700K	3000K	3500K	4000K
600mA	**1T7730**	**1T7731**	**1T7732**	**1T7733**

LED / 8,7W / AM

Power supply	2700K	3000K	3500K	4000K
600mA	**1T9034**	**1T9035**	**1T9036**	**1T9037**

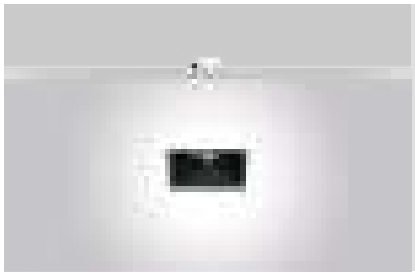
LED / 8,7W / ELL



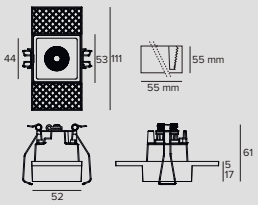
Power supply	2700K	3000K	3500K	4000K
600mA	**1T9038**	**1T9039**	**1T9040**	**1T9041**

LED / 8,7W / ELT

Power supply	2700K	3000K	3500K	4000K
600mA	**1T9042**	**1T9043**	**1T9044**	**1T9045**



Stand Alone Trimless Large 1X 53x53mm



LED / 6W / SP

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7818EL**	**1T7819EL**	**1T7820EL**	**1T7821EL**
220-240Vac	DALI	**1T7818DA**	**1T7819DA**	**1T7820DA**	**1T7821DA**

OZ

LED / 6W / FL

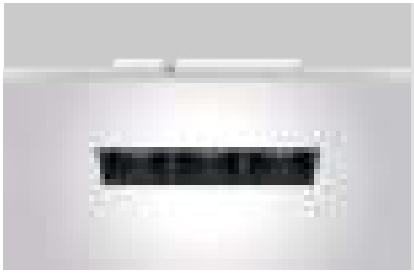
Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7822EL**	**1T7823EL**	**1T7824EL**	**1T7825EL**
220-240Vac	DALI	**1T7822DA**	**1T7823DA**	**1T7824DA**	**1T7825DA**

LED / 6W / WFL

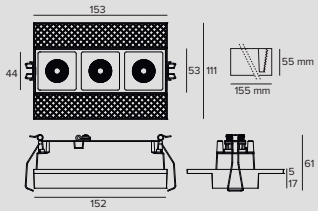
Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7826EL**	**1T7827EL**	**1T7828EL**	**1T7829EL**
220-240Vac	DALI	**1T7826DA**	**1T7827DA**	**1T7828DA**	**1T7829DA**

LED / 6W / AM

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8870EL**	**1T8871EL**	**1T8872EL**	**1T8873EL**
220-240Vac	DALI	**1T8870DA**	**1T8871DA**	**1T8872DA**	**1T8873DA**



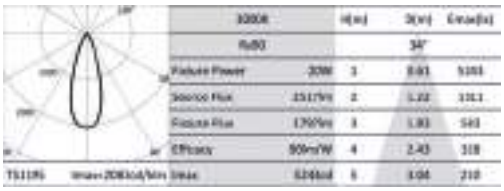
Stand Alone Trimless Large 3X 153x53mm



LED / 18W / SP

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7842EL**	**1T7843EL**	**1T7844EL**	**1T7845EL**
220-240Vac	DALI	**1T7842DA**	**1T7843DA**	**1T7844DA**	**1T7845DA**

LED / 18W / FL



Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7846EL**	**1T7847EL**	**1T7848EL**	**1T7849EL**
220-240Vac	DALI	**1T7846DA**	**1T7847DA**	**1T7848DA**	**1T7849DA**

OZ

LED / 18W / WFL

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7850EL**	**1T7851EL**	**1T7852EL**	**1T7853EL**
220-240Vac	DALI	**1T7850DA**	**1T7851DA**	**1T7852DA**	**1T7853DA**

LED / 18W / AM

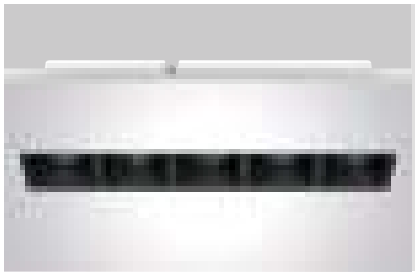
Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8874EL**	**1T8875EL**	**1T8876EL**	**1T8877EL**
220-240Vac	DALI	**1T8874DA**	**1T8875DA**	**1T8876DA**	**1T8877DA**

LED / 11W / ELL

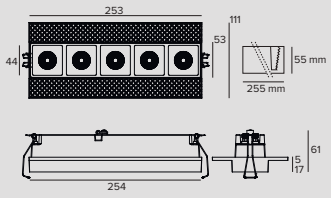
Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8878EL**	**1T8879EL**	**1T8880EL**	**1T8881EL**
220-240Vac	DALI	**1T8878DA**	**1T8879DA**	**1T8880DA**	**1T8881DA**

LED / 11W / ELT

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8882EL**	**1T8883EL**	**1T8884EL**	**1T8885EL**
220-240Vac	DALI	**1T8882DA**	**1T8883DA**	**1T8884DA**	**1T8885DA**



Stand Alone Trimless Large 5X 253x53mm



LED / 30W / SP

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7866EL**	**1T7867EL**	**1T7868EL**	**1T7869EL**
220-240Vac	DALI	**1T7866DA**	**1T7867DA**	**1T7868DA**	**1T7869DA**

OZ

LED / 30W / FL

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7870EL**	**1T7871EL**	**1T7872EL**	**1T7873EL**
220-240Vac	DALI	**1T7870DA**	**1T7871DA**	**1T7872DA**	**1T7873DA**

LED / 30W / WFL

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T7874EL**	**1T7875EL**	**1T7876EL**	**1T7877EL**
220-240Vac	DALI	**1T7874DA**	**1T7875DA**	**1T7876DA**	**1T7877DA**

LED / 30W / AM

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8886EL**	**1T8887EL**	**1T8888EL**	**1T8889EL**
220-240Vac	DALI	**1T8886DA**	**1T8887DA**	**1T8888DA**	**1T8889DA**

LED / 20W / ELL

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8890EL**	**1T8891EL**	**1T8892EL**	**1T8893EL**
220-240Vac	DALI	**1T8890DA**	**1T8891DA**	**1T8892DA**	**1T8893DA**

LED / 20W / ELT

Power supply	Driver	2700K	3000K	3500K	4000K
220-240Vac	EL.	**1T8894EL**	**1T8895EL**	**1T8896EL**	**1T8897EL**
220-240Vac	DALI	**1T8894DA**	**1T8895DA**	**1T8896DA**	**1T8897DA**

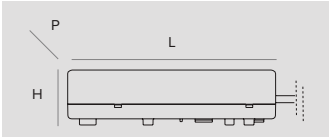
Note

Small version: to be completed with an electronic or DALI driver. Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

OZ

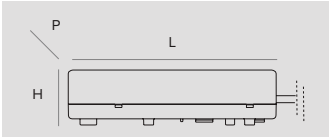
Related codes

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
110x22x52	20W	110-240Vac	600mA	IP20	**1T8172EL**
110x22x52	20W 15W	220-240Vac 110-127Vac	900mA	IP20	**1T5295EL**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output current	IP	Code
156x26x52	20W	230Vac	600mA	IP20	**1T8172DA**
156x26x52	20W	230Vac	900mA	IP20	**1T7686DA**

DALI power supply.

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

STORE

Gimbal

GENERAL INFO
Recessed adjustable projector.
Gimbal System to adjust the optical unit 30° vertically and 355° horizontally.

LED
Chip on board
From 200lm to 4385lm
3000K – 4000K
Ra80 - Ra97

PRODUCT EFFICACY
Up to 119lm/W

OPTICS
NSP – SP – FL – MWFL – WFL

OPTICS
Electronic - DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Painted die-cast aluminium projector body and external ring.
Polycarbonate internal ring.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

Ra90

Range of recessed fixtures available in two different sizes, designed to meet the particular needs of the retail market where excellent performance, minimal design and controlled light are required.

The light units can be single, and multi-optic 1x, 2x and 3x. Mini versions available with a frame with a Trimless finish.

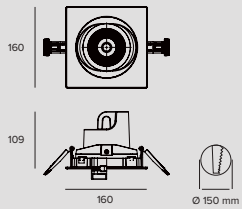
Also available in a projector version.

	STORE with springs	STORE with magnets	STORE MINI with springs	STORE MINI with magnets
	160x160mm	160x160mm	145x145mm	145x145mm
1x	without a frame	only with a frame accessory	with or without a trimless frame accessory	only with a frame accessory
2x	no	only with a frame accessory	with or without a trimless frame accessory	only with a frame accessory
3x	no	only with a frame accessory	with or without a trimless frame accessory	only with a frame accessory

Bruyninx DS Store
Hasselt, Belgium

Photographer Eddy Vanoppen

Gimbal
Versions with springs



LED / 19W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5114EL**	**1T5116EL**
EL.	◐	**1T5098EL**	**1T5100EL**
DALI	○	**1T5114DA**	**1T5116DA**
DALI	◐	**1T5098DA**	**1T5100DA**

LED / 19W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5115EL**	**1T5117EL**
EL.	◐	**1T5099EL**	**1T5101EL**
DALI	○	**1T5115DA**	**1T5117DA**
DALI	◐	**1T5099DA**	**1T5101DA**

LED / 19W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5118EL**	**1T5120EL**
EL.	◐	**1T5102EL**	**1T5104EL**
DALI	○	**1T5118DA**	**1T5120DA**
DALI	◐	**1T5102DA**	**1T5104DA**

LED / 19W / REFLECTOR / FL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5119EL**	**1T5121EL**
EL.	◐	**1T5103EL**	**1T5105EL**
DALI	○	**1T5119DA**	**1T5121DA**
DALI	◐	**1T5103DA**	**1T5105DA**

LED / 19W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5122EL**	**1T5124EL**
EL.	◐	**1T5106EL**	**1T5108EL**
DALI	○	**1T5122DA**	**1T5124DA**
DALI	◐	**1T5106DA**	**1T5108DA**

STORE

LED / 19W / REFLECTOR / MWFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5123EL**	**1T5125EL**
EL.	●	**1T5107EL**	**1T5109EL**
DALI	○	**1T5123DA**	**1T5125DA**
DALI	●	**1T5107DA**	**1T5109DA**

LED / 19W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5126EL**	**1T5128EL**
EL.	●	**1T5110EL**	**1T5112EL**
DALI	○	**1T5126DA**	**1T5128DA**
DALI	●	**1T5110DA**	**1T5112DA**

LED / 19W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5127EL**	**1T5129EL**
EL.	●	**1T5111EL**	**1T5113EL**
DALI	○	**1T5127DA**	**1T5129DA**
DALI	●	**1T5111DA**	**1T5113DA**

LED / 33W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5146EL**	**1T5148EL**
EL.	●	**1T5130EL**	**1T5132EL**
DALI	○	**1T5146DA**	**1T5148DA**
DALI	●	**1T5130DA**	**1T5132DA**

LED / 33W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5147EL**	**1T5149EL**
EL.	●	**1T5131EL**	**1T5133EL**
DALI	○	**1T5147DA**	**1T5149DA**
DALI	●	**1T5131DA**	**1T5133DA**

LED / 33W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5150EL**	**1T5152EL**
EL.	●	**1T5134EL**	**1T5136EL**
DALI	○	**1T5150DA**	**1T5152DA**
DALI	●	**1T5134DA**	**1T5136DA**

STORE

LED / 33W / REFLECTOR / FL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5151EL**	**1T5153EL**
EL.	●	**1T5135EL**	**1T5137EL**
DALI	○	**1T5151DA**	**1T5153DA**
DALI	●	**1T5135DA**	**1T5137DA**

LED / 33W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5154EL**	**1T5156EL**
EL.	●	**1T5138EL**	**1T5140EL**
DALI	○	**1T5154DA**	**1T5156DA**
DALI	●	**1T5138DA**	**1T5140DA**

LED / 33W / REFLECTOR / MWFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5155EL**	**1T5157EL**
EL.	●	**1T5139EL**	**1T5141EL**
DALI	○	**1T5155DA**	**1T5157DA**
DALI	●	**1T5139DA**	**1T5141DA**

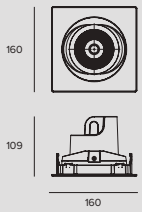
LED / 33W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5158EL**	**1T5160EL**
EL.	●	**1T5142EL**	**1T5144EL**
DALI	○	**1T5158DA**	**1T5160DA**
DALI	●	**1T5142DA**	**1T5144DA**

LED / 33W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5159EL**	**1T5161EL**
EL.	●	**1T5143EL**	**1T5145EL**
DALI	○	**1T5159DA**	**1T5161DA**
DALI	●	**1T5143DA**	**1T5145DA**

Gimbal
Versions with magnets



LED / 19W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6445EL**	**1T6447EL**
EL.	●	**1T6429EL**	**1T6431EL**
DALI	○	**1T6445DA**	**1T6447DA**
DALI	●	**1T6429DA**	**1T6431DA**

LED / 19W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6446EL**	**1T6448EL**
EL.	●	**1T6430EL**	**1T6432EL**
DALI	○	**1T6446DA**	**1T6448DA**
DALI	●	**1T6430DA**	**1T6432DA**

LED / 19W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6449EL**	**1T6451EL**
EL.	●	**1T6433EL**	**1T6435EL**
DALI	○	**1T6449DA**	**1T6451DA**
DALI	●	**1T6433DA**	**1T6435DA**

LED / 19W / REFLECTOR / FL / CRI97

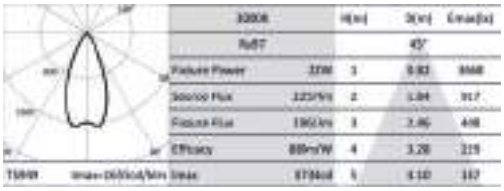
Driver	Colour	3000K	4000K
EL.	○	**1T6450EL**	**1T6452EL**
EL.	●	**1T6434EL**	**1T6436EL**
DALI	○	**1T6450DA**	**1T6452DA**
DALI	●	**1T6434DA**	**1T6436DA**

LED / 19W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6453EL**	**1T6455EL**
EL.	●	**1T6437EL**	**1T6439EL**
DALI	○	**1T6453DA**	**1T6455DA**
DALI	●	**1T6437DA**	**1T6439DA**

STORE

LED / 19W / REFLECTOR / MWFL / CRI97



Driver	Colour	3000K	4000K
EL.	○	**1T6454EL**	**1T6456EL**
EL.	◐	**1T6438EL**	**1T6440EL**
DALI	○	**1T6454DA**	**1T6456DA**
DALI	◐	**1T6438DA**	**1T6440DA**

LED / 19W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6457EL**	**1T6459EL**
EL.	◐	**1T6441EL**	**1T6443EL**
DALI	○	**1T6457DA**	**1T6459DA**
DALI	◐	**1T6441DA**	**1T6443DA**

LED / 19W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6458EL**	**1T6460EL**
EL.	◐	**1T6442EL**	**1T6444EL**
DALI	○	**1T6458DA**	**1T6460DA**
DALI	◐	**1T6442DA**	**1T6444DA**

LED / 33W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6477EL**	**1T6479EL**
EL.	◐	**1T6461EL**	**1T6463EL**
DALI	○	**1T6477DA**	**1T6479DA**
DALI	◐	**1T6461DA**	**1T6463DA**

LED / 33W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6478EL**	**1T6480EL**
EL.	◐	**1T6462EL**	**1T6464EL**
DALI	○	**1T6478DA**	**1T6480DA**
DALI	◐	**1T6462DA**	**1T6464DA**

LED / 33W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6481EL**	**1T6483EL**
EL.	◐	**1T6465EL**	**1T6467EL**
DALI	○	**1T6481DA**	**1T6483DA**
DALI	◐	**1T6465DA**	**1T6467DA**

STORE

LED / 33W / REFLECTOR / FL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6482EL**	**1T6484EL**
EL.	●	**1T6466EL**	**1T6468EL**
DALI	○	**1T6482DA**	**1T6484DA**
DALI	●	**1T6466DA**	**1T6468DA**

LED / 33W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6485EL**	**1T6487EL**
EL.	●	**1T6469EL**	**1T6471EL**
DALI	○	**1T6485DA**	**1T6487DA**
DALI	●	**1T6469DA**	**1T6471DA**

LED / 33W / REFLECTOR / MWFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6486EL**	**1T6488EL**
EL.	●	**1T6470EL**	**1T6472EL**
DALI	○	**1T6486DA**	**1T6488DA**
DALI	●	**1T6470DA**	**1T6472DA**

LED / 33W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T6489EL**	**1T6491EL**
EL.	●	**1T6473EL**	**1T6475EL**
DALI	○	**1T6489DA**	**1T6491DA**
DALI	●	**1T6473DA**	**1T6475DA**

LED / 33W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T6490EL**	**1T6492EL**
EL.	●	**1T6474EL**	**1T6476EL**
DALI	○	**1T6490DA**	**1T6492DA**
DALI	●	**1T6474DA**	**1T6476DA**

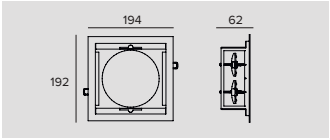
Note

Versions with springs for single installation without a frame. Versions with magnets for single installation without a frame or single or multioptic installation with a trimless accessory frame (for the recessed hole of this version please refer to that of the accessory frame.

STORE

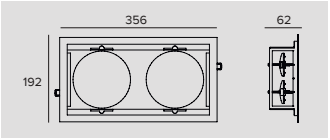
Related codes

Insertion Box



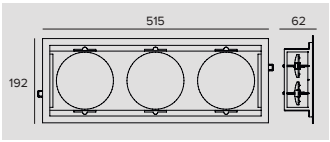
Cutout hole	Colour	Code
180x180	○	**1T6496**
180x180	●	**1T6493**

Frame 1x.



Cutout hole	Colour	Code
335x180	○	**1T6497**
335x180	◐	**1T6494**

Frame 2x.

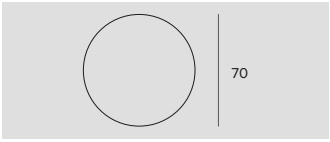


Cutout hole	Colour	Code
485x180	○	**1T6498**
485x180	●	**1T6495**

Frame 3x.

Accessories

Filter

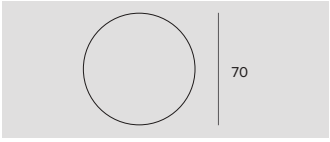


Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 33/W.

Ø	Code
70	**1T1709**

Flat glass wired refractive diffusive filter.
This softens the luminous effect.
To be completed with an additional holder ring for Cloud, Ray Mini, Sore, Label 9 and CCTEVO Extractable 162.
Cannot be used with version from 33/W.



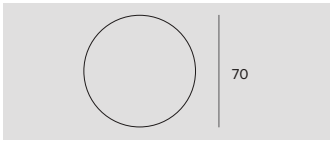
Filter	Ø	Code
Halogen +	70	**1T6506**
Vivid +	70	**1T6507**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.

Filter	Ø	Code
Meat	70	**1T6508**
Fish	70	**1T6509**
Bread	70	**1T6510**
Vegetables	70	**1T6511**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.
1T6508 - To be used only with 3000K and Ra80 fixtures.
1T6509 - To be used only with 4000K and Ra80 fixtures.
1T6510 - To be used only with 3000K and Ra80 fixtures.
1T6511 - To be used only with 3000K and Ra80 fixtures.

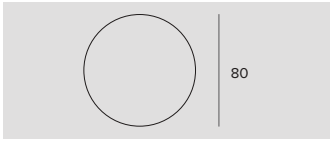
STORE



Filter	Ø	Code
Beauty	70	**1T6512**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.

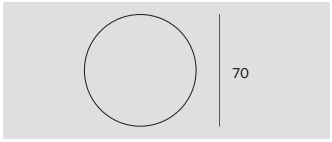
Screen



Ø	Code
80	**1T6522**

Protective screen.
Cannot be used with version from 33/W.

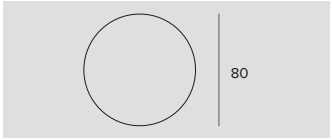
Grid



Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 33/W.

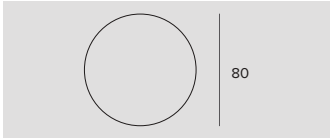
Zoom



Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.
Cannot be used with version from 33/W.

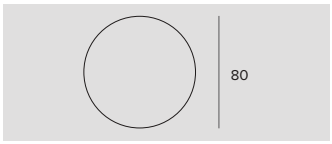
Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.
Cannot be used with version from 33/W.

Screen



Ø	Code
80	**1T3143**

Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.
Cannot be used with version from 33/W.

Holder Ring

Code
1T3727

Transparent polycarbonate accessory holder ring.

Control systems

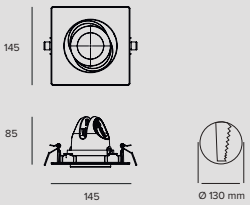
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Mini Gimbal
Versions with springs



LED / 2,7W / LENS / NSP

Driver	Colour	3000K	4000K
EL.	○	**1T4934EL**	**1T4935EL**
EL.	●	**1T4926EL**	**1T4927EL**
DALI	○	**1T4934DA**	**1T4935DA**
DALI	●	**1T4926DA**	**1T4927DA**

LED / 13W / LENS / SP

Driver	Colour	3000K	4000K
EL.	○	**1T4936EL**	**1T4937EL**
EL.	●	**1T4928EL**	**1T4929EL**
DALI	○	**1T4936DA**	**1T4937DA**
DALI	●	**1T4928DA**	**1T4929DA**

LED / 18W / LENS / SP

Driver	Colour	3000K	4000K
EL.	○	**1T4948EL**	**1T4949EL**
EL.	●	**1T4942EL**	**1T4943EL**
DALI	○	**1T4948DA**	**1T4949DA**
DALI	●	**1T4942DA**	**1T4943DA**

LED / 12W / LENS / FL

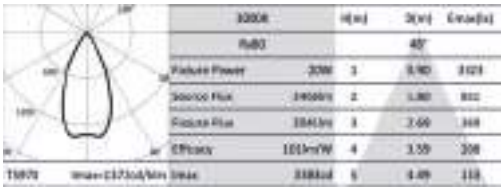
Driver	Colour	3000K	4000K
EL.	○	**1T4938EL**	**1T4939EL**
EL.	●	**1T4930EL**	**1T4931EL**
DALI	○	**1T4938DA**	**1T4939DA**
DALI	●	**1T4930DA**	**1T4931DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T4940EL**	**1T4941EL**
EL.	●	**1T4932EL**	**1T4933EL**
DALI	○	**1T4940DA**	**1T4941DA**
DALI	●	**1T4932DA**	**1T4933DA**

STORE

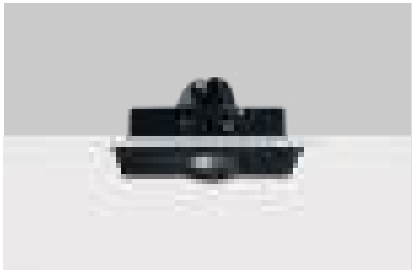
LED / 18W / REFLECTOR / MWFL



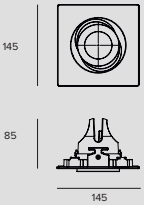
Driver	Colour	3000K	4000K
EL.	○	**1T4950EL**	**1T4951EL**
EL.	●	**1T4944EL**	**1T4945EL**
DALI	○	**1T4950DA**	**1T4951DA**
DALI	●	**1T4944DA**	**1T4945DA**

LED / 18W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T4952EL**	**1T4953EL**
EL.	●	**1T4946EL**	**1T4947EL**
DALI	○	**1T4952DA**	**1T4953DA**
DALI	●	**1T4946DA**	**1T4947DA**



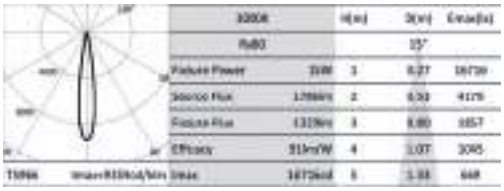
Mini Gimbal
Versions with magnets



LED / 2,7W / LENS / NSP

Driver	Colour	3000K	4000K
EL.	○	**1T5960EL**	**1T5961EL**
EL.	●	**1T5952EL**	**1T5953EL**
DALI	○	**1T5960DA**	**1T5961DA**
DALI	●	**1T5952DA**	**1T5953DA**

LED / 13W / LENS / SP



Driver	Colour	3000K	4000K
EL.	○	**1T5962EL**	**1T5963EL**
EL.	●	**1T5954EL**	**1T5955EL**
DALI	○	**1T5962DA**	**1T5963DA**
DALI	●	**1T5954DA**	**1T5955DA**

LED / 18W / LENS / SP

Driver	Colour	3000K	4000K
EL.	○	**1T5974EL**	**1T5975EL**
EL.	●	**1T5968EL**	**1T5969EL**
DALI	○	**1T5974DA**	**1T5975DA**
DALI	●	**1T5968DA**	**1T5969DA**

STORE

LED / 12W / LENS / FL

Driver	Colour	3000K	4000K
EL.	○	**1T5964EL**	**1T5965EL**
EL.	●	**1T5956EL**	**1T5957EL**
DALI	○	**1T5964DA**	**1T5965DA**
DALI	●	**1T5956DA**	**1T5957DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T5966EL**	**1T5967EL**
EL.	●	**1T5958EL**	**1T5959EL**
DALI	○	**1T5966DA**	**1T5967DA**
DALI	●	**1T5958DA**	**1T5959DA**

LED / 18W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T6419EL**	**1T6420EL**
EL.	●	**1T5970EL**	**1T5971EL**
DALI	○	**1T6419DA**	**1T6420DA**
DALI	●	**1T5970DA**	**1T5971DA**

LED / 18W / REFLECTOR / WFL

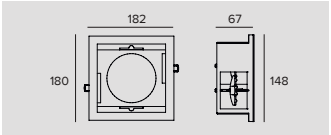
Driver	Colour	3000K	4000K
EL.	○	**1T6421EL**	**1T6422EL**
EL.	●	**1T5972EL**	**1T5973EL**
DALI	○	**1T6421DA**	**1T6422DA**
DALI	●	**1T5972DA**	**1T5973DA**

Note

Versions with springs for single installation without a frame or single or multioptic installation with a trimless accessory frame. Versions with magnets for single or multioptic installation with an accessory frame. For installations with frames for the recessed hole please refer to that of the accessory frame.

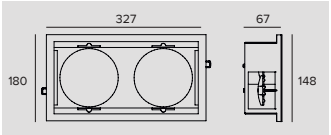
Related codes

Insertion Box



Cutout hole	Colour	Code
150x150	○	**1T6426**
150x150	◐	**1T6423**

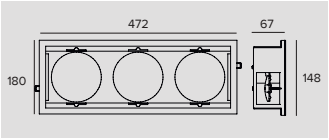
Frame 1x.
For version with magnets.



Cutout hole	Colour	Code
300x150	○	**1T6427**
300x150	●	**1T6424**

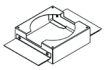
Frame 2x.
For version with magnets.

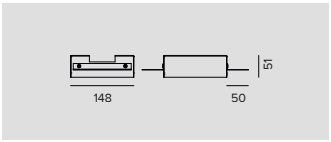
STORE



Cutout hole	Colour	Code
450x150	○	**1T6428**
450x150	●	**1T6425**

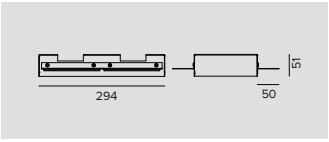
Frame 3x.
For version with magnets.





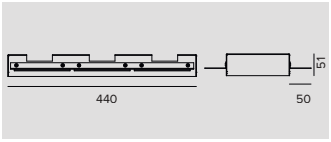
Cutout hole	Code
149x149	**1T7404**

Trimless frame 1x.
For version with springs.



Cutout hole	Code
149x295	**1T7405**

Trimless frame 2x.
For version with springs.

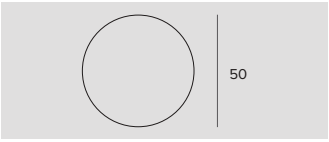


Cutout hole	Code
149x441	**1T7406**

Trimless frame 3x.
For version with springs.

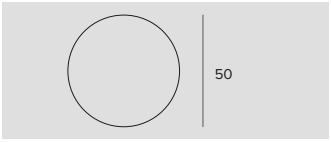
Accessories

Filter



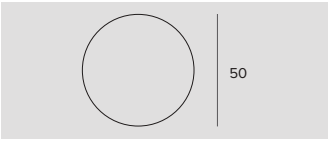
Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.



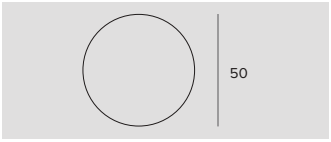
Filter	Ø	Code
Halogen +	50	**1T6381**
Vivid +	50	**1T6383**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.



Filter	Ø	Code
Meat	50	**1T6385**
Fish	50	**1T6387**
Bread	50	**1T6389**
Vegetables	50	**1T6391**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
1T6385 - To be used only with 3000K and Ra80 fixtures.
1T6387 - To be used only with 4000K and Ra80 fixtures.
1T6389 - To be used only with 3000K and Ra80 fixtures.
1T6391 - To be used only with 3000K and Ra80 fixtures.

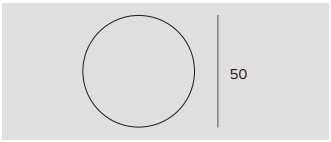


Filter	Ø	Code
Beauty	50	**1T6393**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.

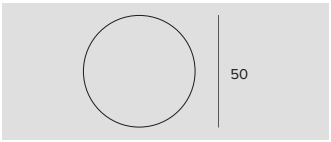
STORE

Screen



Ø	Code
50	**1T4325**

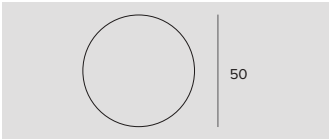
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.



Ø	Code
50	**1T6521**

Protective screen.

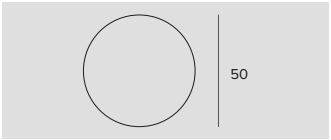
Grid



Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Zoom



Ø	Code
50	**1T4324**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It can not be used with a narrow spot optic.
It makes it possible to obtain a variable beam from 15° to 60°.

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

ZENO

Small Extractable

GENERAL INFO
Recessed, extractable and adjustable LED professional projector. The optical unit can be adjusted from 0 to 90° on the vertical plane and 360° on the orizontal plane with the possibility to block beam.
ø105mm

LED
COB Chip on board
From 825lm to 1478lm
3000K – 4000K
Ra97

PRODUCT EFFICACY
Up to 90lm/W

OPTICS
NSP – SP – FL – MWFL – WFL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Die-cast painted aluminium body.

ON DEMAND

Easy Custom Colour

Ra90

110-277Vac power supply

A range of professional projectors especially for museum lighting, given the quality of the LED sources, the cutting edge optics and installation flexibility.

The optical unit can be moved to four different positions from total recessed to complete extraction.

Also available in a projector version in three different sizes.

		SMALL
		Ø105mm
LED	Flux (lm)	825-1478
	Power	9.4W - 12W
OPTICS		
NSP	Lens+Honeycomb	•
SP	Lens+Honeycomb	•
FL	Reflector	•
MWFL	Reflector	•
WFL	Reflector	•

Plus

Trimless or with a decorative ring

Zeno extractable combines the flexibility and performance of a projector with the ability to blend into the architecture. It is possible to choose from installation with a trimless finish or with a decorative ring (to be ordered separately).

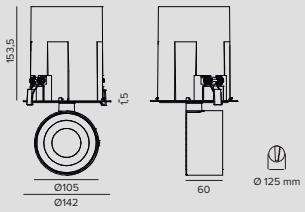
The optical body

To be moved into four different positions.

- Step 0 - recessed and non-adjustable;
- Step 1 -partially extracted but non-adjustable;
- Step 2 - the optical unit can be adjusted from 15 to 90° on the vertical plane and 360° on the horizontal plane;
- Step 3 - when the fixture is completely extracted the optical unit can be adjusted from 0 to 90° on the vertical plane and 360° on the horizontal plane with the possibility to block the beam.

ZENO

Small Extractable



LED / 9,4W / LENS+HONEYCOMB / NSP

Driver	Colour	3000K	4000K
EL.	○	**1T8206EL**	**1T8207EL**
EL.	●	**1T8208EL**	**1T8209EL**
DALI	○	**1T8206DA**	**1T8207DA**
DALI	●	**1T8208DA**	**1T8209DA**

LED / 12W / LENS+HONEYCOMB / SP

Driver	Colour	3000K	4000K
EL.	○	**1T8210EL**	**1T8211EL**
EL.	●	**1T8212EL**	**1T8213EL**
DALI	○	**1T8210DA**	**1T8211DA**
DALI	●	**1T8212DA**	**1T8213DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	3000K	4000K
EL.	○	**1T8214EL**	**1T8215EL**
EL.	●	**1T8216EL**	**1T8217EL**
DALI	○	**1T8214DA**	**1T8215DA**
DALI	●	**1T8216DA**	**1T8217DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T6563EL**	**1T6564EL**
EL.	●	**1T6565EL**	**1T6566EL**
DALI	○	**1T6563DA**	**1T6564DA**
DALI	●	**1T6565DA**	**1T6566DA**

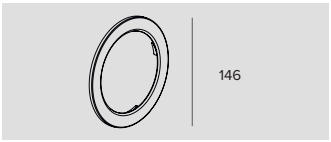
LED / 12W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T6567EL**	**1T6568EL**
EL.	●	**1T6569EL**	**1T6570EL**
DALI	○	**1T6567DA**	**1T6568DA**
DALI	●	**1T6569DA**	**1T6570DA**

ZENO

Related codes

Decorative Ring

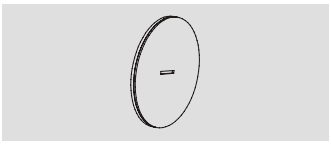


Ø	Colour	Code
146	○	**1T6579**
146	◐	**1T6580**

Round ring.

Accessories

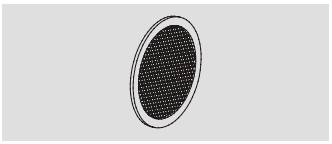
Filter



Code
1T6572

Blade of light filter.
Methacrylate holographic filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with a dedicated holder ring.

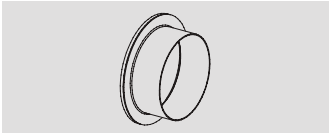
Grid



Colour	Code
●	**1T6573**

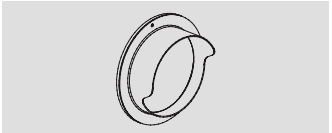
Anti-glare louver.
Black lacquered aluminium honeycomb structure.
To be completed with a dedicated holder ring.
Not to be used with NSP and SP optics.

Cut-off



Colour	Code
◐	**1T6574**

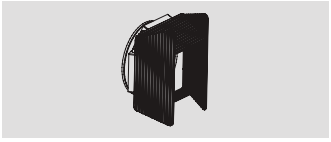
Black painted steel cut-off.
To be completed with a dedicated holder ring.



Colour	Code
●	**1T6575**

Black painted steel asymmetric cut-off.
To be completed with a dedicated holder ring.

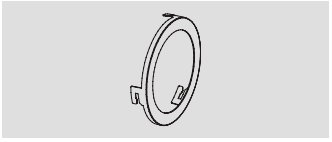
Ray Shade



Colour	Code
◐	**1T6576**

Adjustable barn doors flaps made of black painted steel.
To be completed with a dedicated holder ring.

Holder Ring



Colour	Code
●	**1T6571**

Black painted aluminium accessory holder ring.

ZENO

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Inwhite Medical
Moscow - Russia

T-PANEL

GENERAL INFO
Direct emission Led fixtures available in two different sizes
595x595x9mm
295x1195x9mm

LED
Ra90 high efficiency LED
From 3008 lm to 3200 lm
4000K

PRODUCT EFFICACY
Up to 128lm/W

OPTICS
UGR

POWER SUPPLY
DALI - Casambi

MATERIAL
Painted white aluminium body; high transmittance optical PMMA screen with UGR<19 controlled luminance.

A range of high-efficiency, excellent performance, direct emission LED fixtures ideal for lighting working environments. Available in two different sizes – 595x595 and 295x1195 – T-Panel fixtures have an aluminium body that allows for surface installation on modular panels of 600x600mm and 300x1200mm. The PMMA optical screen makes it possible to perfectly control the emission of the fixtures making them suitable for installation in work environments – UGR<19 (EN12464-1) L65<3000 cd/m^2.

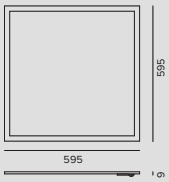
All fixtures in the range are equipped with anti-fall safety cables and quick connection terminal blocks.

Using special frame accessories it is possible to install T-Panels directly on the ceiling while the cable kit allows for suspension installation. Emergency kit available as an accessory.

Accessory for installation on continuous ceilings available on request.

T-PANEL

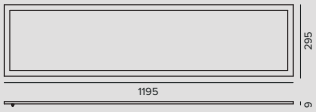
Recessed
595x595mm



LED / 21W / UGR

Driver	Colour	4000K
DALI	◯	**1T9585DA**

Recessed
1195x295mm



LED / 21W / UGR

Driver	Colour	4000K
DALI	◯	**1T9586DA**

Accessories

Mounting System

Code
1T9589

Ceiling installation kit.
595x595mm version.
Sizes 600x600x50mm.

Code
1T9590

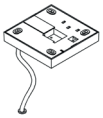
Ceiling installation kit.
295x1195mm version.
Sizes 300x1200x50mm.

T-PANEL

	Code
	1T9588

Kit of 4 suspension cables.
L=1500mm.

Power Supply Kit



	L	Driver	Colour	Code
	4000	DALI	◯	**1T5905DA**

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

BEBOP

Recessed

GENERAL INFO
Recessed downlight
Ø90mm

LED
Chip on board
From 1156lm to 1909lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 88lm/W

OPTICS
MWFL - WFL

POWER SUPPLY
Eletctronic - DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Painted polycarbonate body and rounded ring. Die-cast aluminium finned heat sink, side wiring complete with power supply.

ON DEMAND

Easy Custom Colour

110-277Vac
power supply

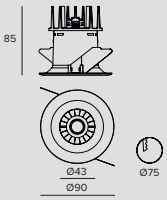
2700K-3500K

A range of high performance characterised by simple, soft and rounded lines. Available in three different versions for ceiling mounted, suspension and recessed installation. In all versions the LED lamps are retracted and hidden from view to ensure optimum visual comfort. The flexible installation makes it possible to use the same type of light in environments with different architectural characteristics.

The recessed version has a reduced depth and a polycarbonate finishing ring with a white finish that “disappears” into ceilings creating the illusion of a plaster finish.

BEBOP

Recessed



LED / 8,2W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T4756EL**	**1T4757EL**
EL.	●	**1T5406EL**	**1T5407EL**
DALI	○	**1T4756DA**	**1T4757DA**
DALI	●	**1T5406DA**	**1T5407DA**

LED / 8,2W / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T4754EL**	**1T4755EL**
EL.	●	**1T5408EL**	**1T5409EL**
DALI	○	**1T4754DA**	**1T4755DA**
DALI	●	**1T5408DA**	**1T5409DA**

LED / 13W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T4760EL**	**1T4761EL**
EL.	●	**1T5410EL**	**1T5411EL**
DALI	○	**1T4760DA**	**1T4761DA**
DALI	●	**1T5410DA**	**1T5411DA**

LED / 13W / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T4758EL**	**1T4759EL**
EL.	●	**1T5412EL**	**1T5413EL**
DALI	○	**1T4758DA**	**1T4759DA**
DALI	●	**1T5412DA**	**1T5413DA**

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

BEBOP

Accessories

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

OTTO

Recessed

GENERAL INFO
Extractable recessed projector
ø30mm

LED
LED Emitter
From 370lm to 397lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 30lm/W

OPTIC
ZOOM: from SP to FL

POWER SUPPLY
Electronic remote

MATERIAL
Painted or anodised aluminium body.

ON DEMAND
110-277Vac power supply

A range of projectors with a minimal footprint with different installation types characterised by manual focus.

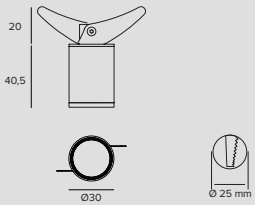
Available also in a single or multi-optical pole mounted version.

Projector version also available.

Museo Stibbert – Le sale giapponesi
Firenze, Italia

OTTO

Semi-Recessed



LED / 3W / ZOOM / SP-FL

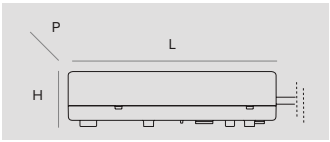
	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6335**	**1T6336**
	1050mA	◐	**1T6347**	**1T6348**
	1050mA	◐	**1T6359**	**1T6360**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply

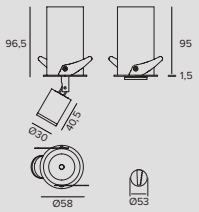


Dimensions LxHxP	W	Power supply	Output current	IP	Code
129x30x42	42W	220-240Vac	1050mA	IP20	**1T6524**

Electronic power supply.

OTTO

Recessed extractable



LED / 3W / ZOOM / SP-FL

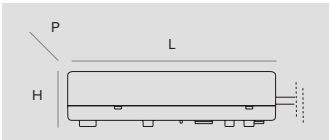
	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6333**	**1T6334**
	1050mA	●	**1T6345**	**1T6346**
	1050mA	◌	**1T6357**	**1T6358**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
129x30x42	42W	220-240Vac	1050mA	IP20	**1T6524**

Electronic power supply.

Projectors

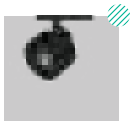
Indoor

New product Line Extension

New Performances New Accessory

Track projectors

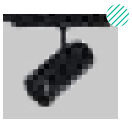
210
ZENO Large
Ø 184mm



210
ZENO Medium
Ø 134mm

210
ZENO Medium
Ø 134mm

210
ZENO Small
Ø 105mm

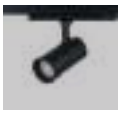


236
LABEL 9
Ø 87mm

236
LABEL 7
Ø 74mm

236
LABEL 6
Ø 59mm

248
CAPSULE 7
Ø 70mm



248
CAPSULE 6
Ø 60mm

252
STORE
Ø 93mm

252
STORE
Mini
Ø 75mm

264
LEDÒ

264
LEDÒ
Tunable

272
RAY
Ø 144mm

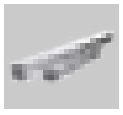
272
RAY
Mini
Ø 115mm

272
RAY
Micro
Ø 76mm

Tracks

282
EUROSTANDARD
Plus

Surface projectors



292
JEDI
Compact

528
ZENO Applique
Large
Ø 184mm

528
ZENO Applique
Medium
Ø 134mm

302
VOLTA

308
CORO
Large
Ø 119mm

308
CORO
Small
Ø 82mm

328
OTTO
Ceiling

328
OTTO
Multi-Optic

ZENO

GENERAL INFO
Professional LED projector. The optical unit can be adjusted from 0 to -90° on the vertical plane; and 355° on the horizontal plane with aiming blocking system.
Small ø105mm
Medium ø134mm
Large ø184mm

LED
Chip on board
From 825lm to 5121lm
3000K – 4000K
Ra97

PRODUCT EFFICACY
Up to 90lm/W

OPTICS
NSP – SP – FL – MWFL – WFL – WW – ZOOM
DBS - Digital beam opening control

POWER SUPPLY
Electronic - DALI - 1-10V dimmer on board
Versions with integrated Casambi control system available (Casambi Ready).

MATERIAL
Painted die-cast aluminium body. Painted ABS driver Box or integrated adapter.

ON DEMAND
Easy Custom Colour
Ra90
2700K - 3500K (Zeno Zoom)
110-277Vac power supply (Zeno Large)

A range of projectors for professional lighting ideal in particular for museum environments thanks to the quality of the LED sources, the avant-garde optical systems and installation flexibility. Ten different optical systems for different luminous effects, three installation types and three different sizes. Today the design of Zeno is even more discrete thanks to the integrated adapters that allow for perfect integration of the projector with the architecture. The 1-10V version has a driver box with a dimmer on board. Zeno Medium is also available in a DBS – Dynamic Beam Shaper version. The Zeno range also includes an applique and a recessed extractable version.

		SMALL	MEDIUM	LARGE
		Ø105mm	Ø134mm	Ø184mm
LED	Flux (lm)	825-1478	1901-2695	2407-5121
	Power	9,4W - 12W	18W - 26W	26W - 52W
OPTICS				
NSP	Lens+Honeycomb	•		
	Indirect		•	•
SP	Lens+Honeycomb	•		
	Hybrid		•	•
FL	Reflector	•		
	Hybrid		•	•
MWFL	Reflector	•	•	•
WFL	Reflector	•	•	•
WW	Reflector		•	•
ZOOM	Hybrid		•	
DBS	Variable		•	

Palazzo Merendoni
Bologna, Italy

Photographer Ivan Rossi

Plus

Studied in detail

No detail of Zeno was left to chance: the depth of the projector is reduced to the minimum while still maintaining excellent heat dissipation, the geometry of the bracket, a really distinctive element is designed to disappear and become an integral part of the body of the fixture.

Controlled and modular light

The Zeno range is also available in a DALI version or already equipped with a Casambi control system (Casambi ready products) for perfect control of lighting systems. Zeno Small, Zeno Medium and Zeno Large are also available with a 1-10V driver box with a dimmer on board that makes it possible to adjust the emission of individual fixtures with extreme simplicity.

MILANO

Plus

A

NSP - SP (Lens+Honeycomb)
Zeno Small

B

NSP (Indirect)
Zeno Large, Zeno Medium

C

SP - FL (Hybrid)
Zeno Medium, Zeno Large

D

FL - MWFL - WFL (Reflector)
Zeno Small, Zeno Medium, Zeno Large

Different optical systems

The different optical systems for Zeno were designed to optimise the performance of the different beam openings.

A A new optical system was designed for the Zeno Small NSP and SP versions composed of a special PMMA lens with metallisation on the back surface, a holographic diffusion filter and a black painted aluminium honeycomb structure.

B The Large and Medium Zeno versions have an indirect Narrow spot optic that works by reflection and makes it possible to obtain extremely narrow (9°), precise and defined beams. The source is hidden from view and directed towards a parabolic reflector that collimates the beams and emits a cone of particularly precise and defined light. This makes Zeno ideal for museum lighting and where there is a need to have narrow beams with minimal fall-off.

C Zeno Medium and Large in the SP and FL versions are equipped with a hybrid optical system composed of a mirrored reflector, an optical glass lens and a holographic screen.

D All Zeno versions with MWFL and WFL optical systems are equipped with a faceted reflector and a holographic screen.
Zeno Small even in the FL version has a reflector optic.

E

WW (Reflector)
Zeno Medium, Zeno Large

F

ZOOM (Hybrid)
Zeno Medium

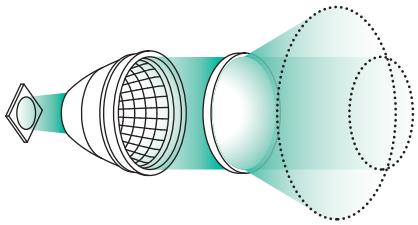
G

DBS (Variable)
Zeno Medium

E The WW versions have a highly reflective aluminium optical system that combines with a holographic screen and a painted plastic cover element to ensure maximum lighting uniformity.

F Zeno Zoom is the manual solution to change beams. Just one optical system makes it possible to have a variable beam with continuity from Narrow Spot to Flood emission.

G Zeno DBS (Dynamic Beam Shaper) is the dynamic light version with remote control that makes it possible to activate a light diffusion process from a minimum of 14° and a maximum of 51° using the Casambi Application that is compatible with IOS and Android systems.



DBS - Digital beam opening control

Plus

Anti-glare louver

Black painted steel asymmetric cut-off

Black painted steel cut-off

Adjustable barn doors flaps

A large variety of optical accessories available for all sizes

Like barn door flaps, anti-glare grids and cut-off and corrective filters to meet the demands of more complex lighting needs.

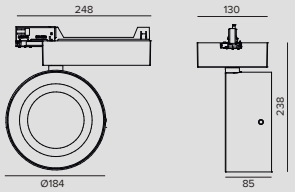
Samsung kx London
London, United Kingdom

Architect Heatherwick Studio

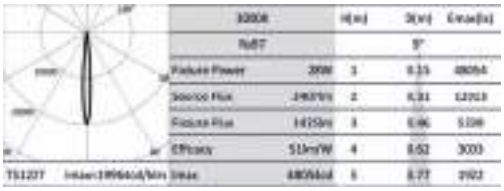
Lighting Design Nulty Lightting

ZENO

Large
EL/DALI/Casambi

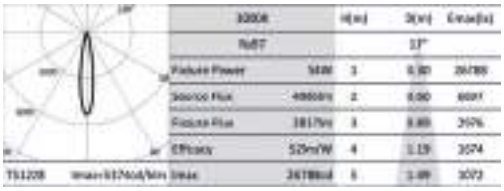


LED / 26W / INDIRECT / NSP



	Driver	Colour	3000K	4000K
	EL.	○	**1T8025EL**	**1T8026EL**
	EL.	●	**1T8027EL**	**1T8028EL**
	DALI	○	**1T8025DA**	**1T8026DA**
	DALI	●	**1T8027DA**	**1T8028DA**
	CASAMBI	○	**1T8025CA**	**1T8026CA**
	CASAMBI	●	**1T8027CA**	**1T8028CA**

LED / 51W / HYBRID / SP



Insulation	Driver	Colour	3000K	4000K
CLASS 2	EL.	○	**1T8029EL**	**1T8030EL**
CLASS 2	EL.	●	**1T8031EL**	**1T8032EL**
CLASS 1	DALI	○	**1T8029DA**	**1T8030DA**
CLASS 1	DALI	●	**1T8031DA**	**1T8032DA**
CLASS 1	CASAMBI	○	**1T8029CA**	**1T8030CA**
CLASS 1	CASAMBI	●	**1T8031CA**	**1T8032CA**

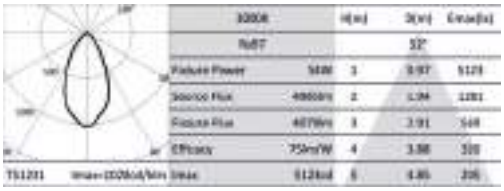
LED / 51W / HYBRID / FL (27°)

Insulation	Driver	Colour	3000K	4000K
CLASS 2	EL.	○	**1T8033EL**	**1T8034EL**
CLASS 2	EL.	●	**1T8035EL**	**1T8036EL**
CLASS 1	DALI	○	**1T8033DA**	**1T8034DA**
CLASS 1	DALI	●	**1T8035DA**	**1T8036DA**
CLASS 1	CASAMBI	○	**1T8033CA**	**1T8034CA**
CLASS 1	CASAMBI	●	**1T8035CA**	**1T8036CA**

LED / 51W / REFLECTOR / FL (38°)

Insulation	Driver	Colour	3000K	4000K
CLASS 2	EL.	○	**1T8037EL**	**1T8038EL**
CLASS 2	EL.	●	**1T8039EL**	**1T8040EL**
CLASS 1	DALI	○	**1T8037DA**	**1T8038DA**
CLASS 1	DALI	●	**1T8039DA**	**1T8040DA**
CLASS 1	CASAMBI	○	**1T8037CA**	**1T8038CA**
CLASS 1	CASAMBI	●	**1T8039CA**	**1T8040CA**

LED / 51W / REFLECTOR / WFL



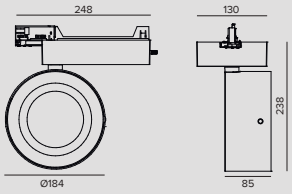
Insulation	Driver	Colour	3000K	4000K
CLASS 2	EL.	○	**1T8041EL**	**1T8042EL**
CLASS 2	EL.	●	**1T8043EL**	**1T8044EL**
CLASS 1	DALI	○	**1T8041DA**	**1T8042DA**
CLASS 1	DALI	●	**1T8043DA**	**1T8044DA**
CLASS 1	CASAMBI	○	**1T8041CA**	**1T8042CA**
CLASS 1	CASAMBI	●	**1T8043CA**	**1T8044CA**

ZENO

LED / 52W / WALL WASHER

Insulation	Driver	Colour	3000K	4000K
CLASS 2	EL.	○	**1T8045EL**	**1T8046EL**
CLASS 2	EL.	●	**1T8047EL**	**1T8048EL**
CLASS 1	DALI	○	**1T8045DA**	**1T8046DA**
CLASS 1	DALI	●	**1T8047DA**	**1T8048DA**
CLASS 1	CASAMBI	○	**1T8045CA**	**1T8046CA**
CLASS 1	CASAMBI	●	**1T8047CA**	**1T8048CA**

Large
1-10V (Dimm on board)



LED / 26W / INDIRECT / NSP

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8025D**	**1T8026D**
1-10V (DIMM ON BOARD)	●	**1T8027D**	**1T8028D**

LED / 51W / HYBRID / SP

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8029D**	**1T8030D**
1-10V (DIMM ON BOARD)	●	**1T8031D**	**1T8032D**

LED / 51W / HYBRID / FL (27°)

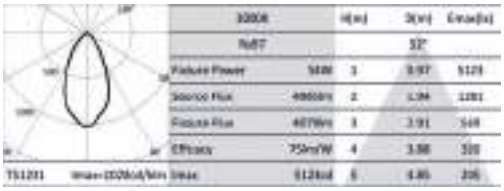
Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8033D**	**1T8034D**
1-10V (DIMM ON BOARD)	●	**1T8035D**	**1T8036D**

LED / 51W / REFLECTOR / FL (38°)

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8037D**	**1T8038D**
1-10V (DIMM ON BOARD)	●	**1T8039D**	**1T8040D**

ZENO

LED / 51W / REFLECTOR / WFL



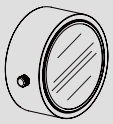
Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8041D**	**1T8042D**
1-10V (DIMM ON BOARD)	●	**1T8043D**	**1T8044D**

LED / 52W / WALL WASHER

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8045D**	**1T8046D**
1-10V (DIMM ON BOARD)	●	**1T8047D**	**1T8048D**

Accessories

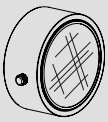
Filter



Code
1T6054

Blade of light filter.
Methacrylate holographic filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with a dedicated holder ring.

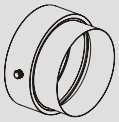
Grid



Colour	Code
●	**1T6055**

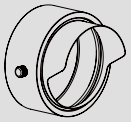
Anti-glare louver.
Black lacquered aluminium honeycomb structure.
To be completed with a dedicated holder ring.

Cut-off



Colour	Code
●	**1T6056**

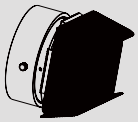
Black painted steel cut-off.
To be completed with a dedicated holder ring.



Colour	Code
●	**1T6057**

Black painted steel asymmetric cut-off.
To be completed with a dedicated holder ring.

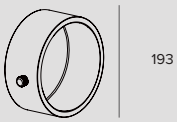
Ray Shade



Colour	Code
●	**1T6058**

Adjustable barn doors flaps made of black painted steel.
To be completed with a dedicated holder ring.

Holder Ring

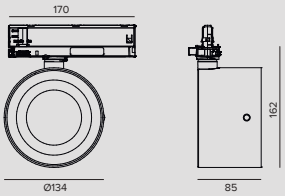


Colour	Code
○	**1T6053**
●	**1T6500**

Black painted aluminium accessory holder ring.

ZENO

Medium
Electronic



LED / 18W / INDIRECT / NSP

Driver	Colour	3000K	4000K
EL.	○	**1T7997EL**	**1T7998EL**
EL.	●	**1T7999EL**	**1T8000EL**

LED / 26W / HYBRID / SP

Driver	Colour	3000K	4000K
EL.	○	**1T8001EL**	**1T8002EL**
EL.	●	**1T8003EL**	**1T8004EL**

LED / 26W / HYBRID / FL

Driver	Colour	3000K	4000K
EL.	○	**1T8005EL**	**1T8006EL**
EL.	●	**1T8007EL**	**1T8008EL**

LED / 26W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T8009EL**	**1T8010EL**
EL.	●	**1T8011EL**	**1T8012EL**

LED / 26W / REFLECTOR / WFL

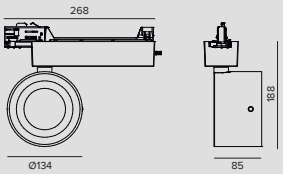
Driver	Colour	3000K	4000K
EL.	○	**1T8013EL**	**1T8014EL**
EL.	●	**1T8015EL**	**1T8016EL**

ZENO

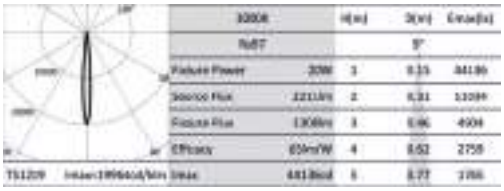
LED / 26W / WALL WASHER

Driver	Colour	3000K	4000K
EL.	○	**1T8017EL**	**1T8018EL**
EL.	◐	**1T8019EL**	**1T8020EL**

Medium
1-10V (Dimm on board)

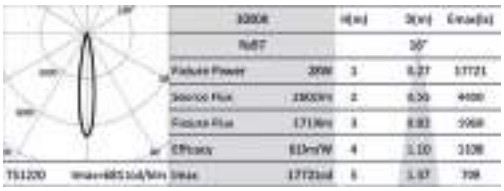


LED / 18W / INDIRECT / NSP



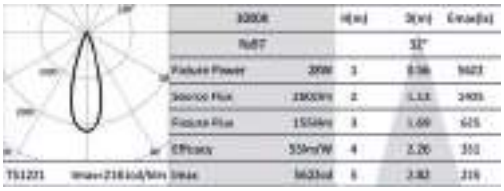
Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T7997D**	**1T7998D**
1-10V (DIMM ON BOARD)	◐	**1T7999D**	**1T8000D**

LED / 26W / HYBRID / SP



Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8001D**	**1T8002D**
1-10V (DIMM ON BOARD)	◐	**1T8003D**	**1T8004D**

LED / 26W / HYBRID / FL



Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8005D**	**1T8006D**
1-10V (DIMM ON BOARD)	◐	**1T8007D**	**1T8008D**

LED / 26W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8009D**	**1T8010D**
1-10V (DIMM ON BOARD)	◐	**1T8011D**	**1T8012D**

ZENO

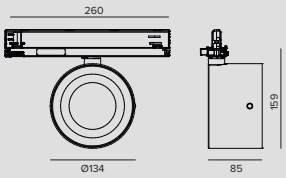
LED / 26W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8013D**	**1T8014D**
1-10V (DIMM ON BOARD)	●	**1T8015D**	**1T8016D**

LED / 26W / WALL WASHER

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8017D**	**1T8018D**
1-10V (DIMM ON BOARD)	●	**1T8019D**	**1T8020D**

Medium DALI



LED / 18W / INDIRECT / NSP

Driver	Colour	3000K	4000K
DALI	○	**1T7997DA**	**1T7998DA**
DALI	●	**1T7999DA**	**1T8000DA**

LED / 26W / HYBRID / SP

Driver	Colour	3000K	4000K
DALI	○	**1T8001DA**	**1T8002DA**
DALI	●	**1T8003DA**	**1T8004DA**

LED / 26W / HYBRID / FL

Driver	Colour	3000K	4000K
DALI	○	**1T8005DA**	**1T8006DA**
DALI	●	**1T8007DA**	**1T8008DA**

ZENO

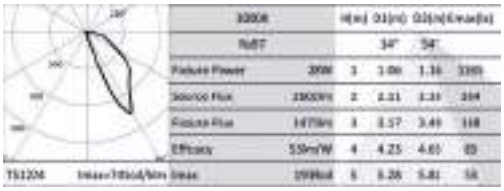
LED / 26W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T8009DA**	**1T8010DA**
DALI	◐	**1T8011DA**	**1T8012DA**

LED / 26W / REFLECTOR / WFL

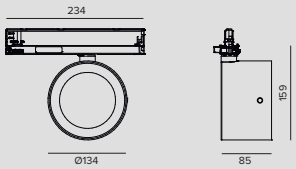
Driver	Colour	3000K	4000K
DALI	○	**1T8013DA**	**1T8014DA**
DALI	◐	**1T8015DA**	**1T8016DA**

LED / 26W / WALL WASHER

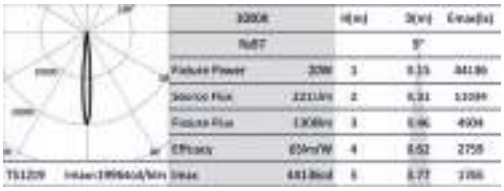


Driver	Colour	3000K	4000K
DALI	○	**1T8017DA**	**1T8018DA**
DALI	◐	**1T8019DA**	**1T8020DA**

Medium Casambi

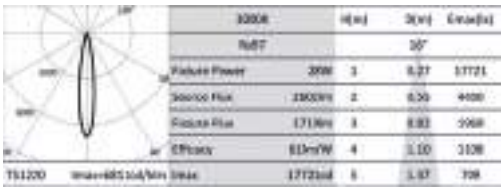


LED / 18W / INDIRECT / NSP



Driver	Colour	3000K	4000K
CASAMBI	○	**1T7997CA**	**1T7998CA**
CASAMBI	◐	**1T7999CA**	**1T8000CA**

LED / 26W / HYBRID / SP



Driver	Colour	3000K	4000K
CASAMBI	○	**1T8001CA**	**1T8002CA**
CASAMBI	◐	**1T8003CA**	**1T8004CA**

ZENO

LED / 26W / HYBRID / FL

Driver	Colour	3000K	4000K
CASAMBI	○	**1T8005CA**	**1T8006CA**
CASAMBI	●	**1T8007CA**	**1T8008CA**

LED / 26W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
CASAMBI	○	**1T8009CA**	**1T8010CA**
CASAMBI	●	**1T8011CA**	**1T8012CA**

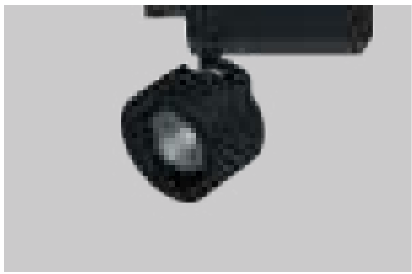
LED / 26W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
CASAMBI	○	**1T8013CA**	**1T8014CA**
CASAMBI	●	**1T8015CA**	**1T8016CA**

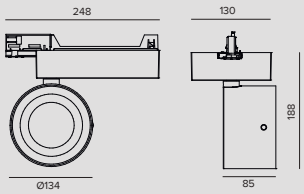
LED / 26W / WALL WASHER

Driver	Colour	3000K	4000K
CASAMBI	○	**1T8017CA**	**1T8018CA**
CASAMBI	●	**1T8019CA**	**1T8020CA**

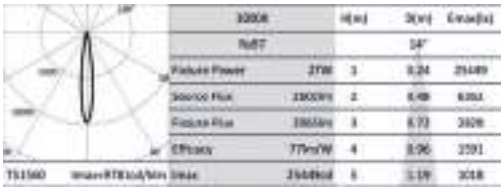
ZENO



Medium
DBS



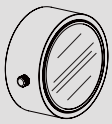
LED / 25W / DBS



	Driver	Colour	3000K	4000K
	CASAMBI	○	**1T8021CA**	**1T8022CA**
	CASAMBI	◐	**1T8023CA**	**1T8024CA**

Accessories

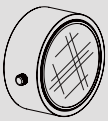
Filter



	Code
	1T6060

Blade of light filter.
Methacrylate holographic filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with a dedicated holder ring.

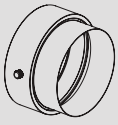
Grid



	Colour	Code
	◐	**1T6061**

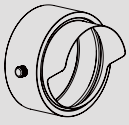
Anti-glare louver.
Black lacquered aluminium honeycomb structure.
To be completed with a dedicated holder ring.

Cut-off



	Colour	Code
	◐	**1T6062**

Black painted steel cut-off.
To be completed with a dedicated holder ring.

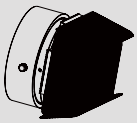


	Colour	Code
	◐	**1T6063**

Black painted steel asymmetric cut-off.
To be completed with a dedicated holder ring.

ZENO

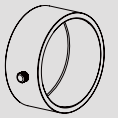
Ray Shade



	Colour	Code
	◐	**1T6064**

Adjustable barn doors flaps made of black painted steel.
To be completed with a dedicated holder ring.

Holder Ring

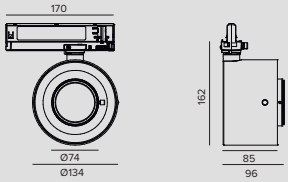


	Colour	Code
	○	**1T6059**
	●	**1T6501**

Black painted aluminium accessory holder ring.

ZENO

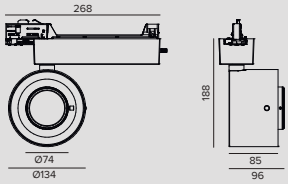
Medium Zoom
Electronic



LED / 26W / ZOOM / NSP-FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T8174EL**	**1T8175EL**
	EL.	◐	**1T8176EL**	**1T8177EL**

Medium Zoom
1-10V (Dimm on board)

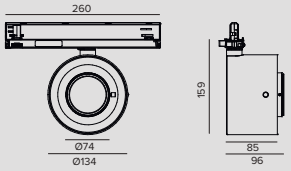


LED / 26W / ZOOM / NSP-FL

	Driver	Colour	3000K	4000K
	1-10V (DIMM ON BOARD)	○	**1T8174D**	**1T8175D**
	1-10V (DIMM ON BOARD)	◐	**1T8176D**	**1T8177D**

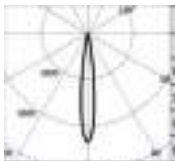
ZENO

Medium Zoom DALI

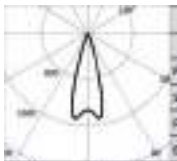


LED / 26W / ZOOM / NSP-FL

3000K				
RaR7			5°	
Fixture Power	26W	1	0.16	11076
Source Flux	2310lm	2	0.31	2045
Fixture Flux	3966lm	3	0.49	1364
Efficacy	149lm/W	4	0.65	711
T51226	Imax=8453cd/klm	Imax	1137klcd	5	0.81	416



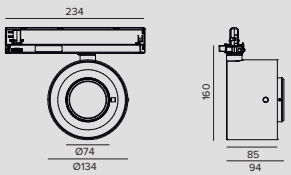
3000K				
RaR7			13°	
Fixture Power	26W	1	0.23	10909
Source Flux	2310lm	2	0.45	2150
Fixture Flux	6413lm	3	0.68	1213
Efficacy	229lm/W	4	0.91	662
T51233	Imax=4273cd/klm	Imax	1092klcd	5	1.14	417



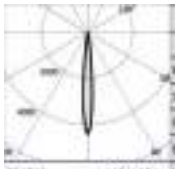
3000K				
RaR7			31°	
Fixture Power	26W	1	0.35	8706
Source Flux	2310lm	2	1.10	917
Fixture Flux	9786lm	3	1.65	413
Efficacy	349lm/W	4	2.19	232
T51234	Imax=1496cd/klm	Imax	862klcd	5	2.74	148

Driver	Colour	3000K	4000K
DALI	○	**1T8174DA**	**1T8175DA**
DALI	●	**1T8176DA**	**1T8177DA**

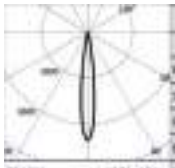
Medium Zoom Casambi



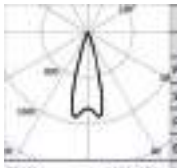
LED / 26W / ZOOM / NSP-FL



3000K				
RaR7			5°	
Fixture Power	26W	1	0.16	11076
Source Flux	2310lm	2	0.31	2045
Fixture Flux	3966lm	3	0.49	1364
Efficacy	149lm/W	4	0.65	711
T51226	Imax=8453cd/klm	Imax	1137klcd	5	0.81	416



3000K				
RaR7			13°	
Fixture Power	26W	1	0.23	10909
Source Flux	2310lm	2	0.45	2150
Fixture Flux	6413lm	3	0.68	1213
Efficacy	229lm/W	4	0.91	662
T51233	Imax=4273cd/klm	Imax	1092klcd	5	1.14	417

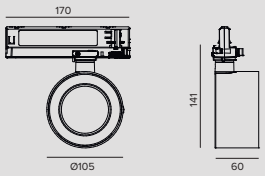


3000K				
RaR7			31°	
Fixture Power	26W	1	0.35	8706
Source Flux	2310lm	2	1.10	917
Fixture Flux	9786lm	3	1.65	413
Efficacy	349lm/W	4	2.19	232
T51234	Imax=1496cd/klm	Imax	862klcd	5	2.74	148

Driver	Colour	3000K	4000K
CASAMBI	○	**1T8174CA**	**1T8175CA**
CASAMBI	●	**1T8176CA**	**1T8177CA**

ZENO

Small Electronic



LED / 9,4W / LENS+HONEYCOMB / NSP

	Driver	Colour	3000K	4000K
	EL.	○	**1T8178EL**	**1T8179EL**
	EL.	◐	**1T8180EL**	**1T8181EL**

LED / 12W / LENS+HONEYCOMB / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T8182EL**	**1T8183EL**
	EL.	◐	**1T8184EL**	**1T8185EL**

LED / 12W / REFLECTOR / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T8186EL**	**1T8187EL**
	EL.	◐	**1T8188EL**	**1T8189EL**

LED / 12W / REFLECTOR / MWFL

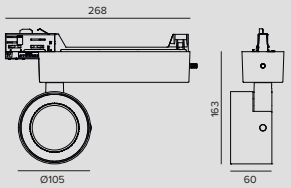
	Driver	Colour	3000K	4000K
	EL.	○	**1T6543EL**	**1T6544EL**
	EL.	◐	**1T6545EL**	**1T6546EL**

LED / 12W / REFLECTOR / WFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6547EL**	**1T6548EL**
	EL.	◐	**1T6549EL**	**1T6550EL**

ZENO

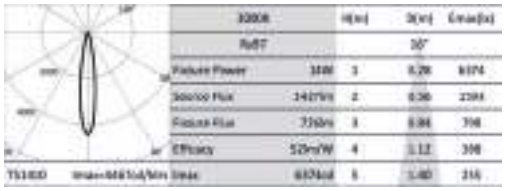
Small
1-10V (Dimm on board)



LED / 9,4W / LENS+HONEYCOMB / NSP

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8178D**	**1T8179D**
1-10V (DIMM ON BOARD)	●	**1T8180D**	**1T8181D**

LED / 12W / LENS+HONEYCOMB / SP



Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8182D**	**1T8183D**
1-10V (DIMM ON BOARD)	●	**1T8184D**	**1T8185D**

LED / 12W / REFLECTOR / FL

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T8186D**	**1T8187D**
1-10V (DIMM ON BOARD)	●	**1T8188D**	**1T8189D**

LED / 12W / REFLECTOR / MWFL

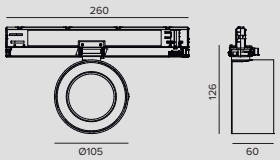
Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T6543D**	**1T6544D**
1-10V (DIMM ON BOARD)	●	**1T6545D**	**1T6546D**

LED / 12W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
1-10V (DIMM ON BOARD)	○	**1T6547D**	**1T6548D**
1-10V (DIMM ON BOARD)	●	**1T6549D**	**1T6550D**

ZENO

Small
DALI



LED / 9,4W / LENS+HONEYCOMB / NSP

Driver	Colour	3000K	4000K
DALI	○	**1T8178DA**	**1T8179DA**
DALI	◐	**1T8180DA**	**1T8181DA**

LED / 12W / LENS+HONEYCOMB / SP

Driver	Colour	3000K	4000K
DALI	○	**1T8182DA**	**1T8183DA**
DALI	◐	**1T8184DA**	**1T8185DA**

LED / 12W / REFLECTOR / FL

Driver	Colour	3000K	4000K
DALI	○	**1T8186DA**	**1T8187DA**
DALI	◐	**1T8188DA**	**1T8189DA**

LED / 12W / REFLECTOR / MWFL

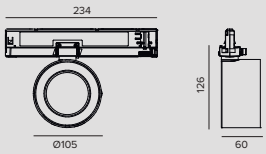
Driver	Colour	3000K	4000K
DALI	○	**1T6543DA**	**1T6544DA**
DALI	◐	**1T6545DA**	**1T6546DA**

LED / 12W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
DALI	○	**1T6547DA**	**1T6548DA**
DALI	◐	**1T6549DA**	**1T6550DA**

ZENO

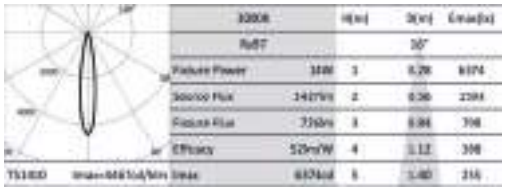
Small
Casambi



LED / 9,4W / LENS+HONEYCOMB / NSP

Driver	Colour	3000K	4000K
CASAMBI	○	**1T7977CA**	**1T7978CA**
CASAMBI	●	**1T7979CA**	**1T7980CA**

LED / 12W / LENS+HONEYCOMB / SP



Driver	Colour	3000K	4000K
CASAMBI	○	**1T7981CA**	**1T7982CA**
CASAMBI	●	**1T7983CA**	**1T7984CA**

LED / 12W / REFLECTOR / FL

Driver	Colour	3000K	4000K
CASAMBI	○	**1T7985CA**	**1T7986CA**
CASAMBI	●	**1T7987CA**	**1T7988CA**

LED / 12W / REFLECTOR / MWFL

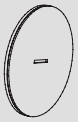
Driver	Colour	3000K	4000K
CASAMBI	○	**1T7989CA**	**1T7990CA**
CASAMBI	●	**1T7991CA**	**1T7992CA**

LED / 12W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
CASAMBI	○	**1T7993CA**	**1T7994CA**
CASAMBI	●	**1T7995CA**	**1T7996CA**

Accessories

Filter



	Code
	1T6572

Blade of light filter.
Methacrylate holographic filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with a dedicated holder ring.

Grid

	Colour	Code
	●	**1T6573**

Anti-glare louver.
Black lacquered aluminium honeycomb structure.
To be completed with a dedicated holder ring.
Not to be used with NSP and SP optics.

Cut-off

	Colour	Code
	●	**1T6574**

Black painted steel cut-off.
To be completed with a dedicated holder ring.

	Colour	Code
	●	**1T6575**

Black painted steel asymmetric cut-off.
To be completed with a dedicated holder ring.

Ray Shade

	Colour	Code
	●	**1T6576**

Adjustable barn doors flaps made of black painted steel.
To be completed with a dedicated holder ring.

Holder Ring

	Colour	Code
	●	**1T6571**

Black painted aluminium accessory holder ring.

Confucius Museum
Qufu, China

Architect Liangyong Wu, Chen Wu
Lighting Design Lie Zhang, Qijun Yao

LABEL 230V

GENERAL INFO
Adjustable professional LED projector.
The optical unit can be adjusted from 0° a 90° on the vertical plane and 355° on the horizontal plane with the possibility to block the beam on the horizontal plane (friction blocking system on the vertical plane).
Ø60mm – Ø74mm – Ø88mm

LED
Chip on board
From 1683lm to 3287lm
3000K – 4000K
Ra97

PRODUCT EFFICACY
Up to 95lm/W

OPTICS
SP – FL – MWFL

POWER SUPPLY
Electronic – DALI
Casambi control system available as an accessory (only for DALI versions).

MATERIAL
Die-cast painted aluminium body.

ON DEMAND
Easy Custom Colour
2700K - 3500K

A range of coordinated projectors for track installation with retractable power supplies designed for application in retail, interior and hospitality environments. Available in three different sizes - Label 6, Label 7 and Label 9.

Label 6 and Label 7 can be equipped with two different optical systems: with a reflector for soft effects with low visual contrast and lenses for more defined beams. Label 9 is available with a reflector optical system. The LED source is particularly setback to ensure excellent visual comfort.

		Label 6	Label 7	Label 9
		Ø 59mm	Ø 74mm	Ø 88mm
LED	Flux (lm)	1683-2223	2550-2818	3207-3287
	Power	19-21W	25W	31W
OPTICS				
SP	Lens	•	•	
	Reflector	•	•	•
FL	Lens	•	•	
	Reflector	•	•	•
MWFL	Lens	•	•	
	Reflector	•	•	•

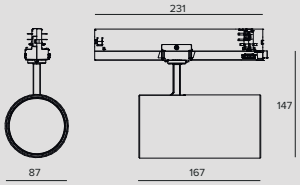
Rinascimento Store Teddy Spa Group
Cremona, Italy

Architect WOMArchitettura

Arch. Teresa D'Alessandro
Arch. Caterina Pulcinella

LABEL

9 Electronic



LED / 31W / REFLECTOR / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T6600EL**	**1T6601EL**
	EL.	◐	**1T6602EL**	**1T6603EL**
	EL.	●	**1T6604EL**	**1T6605EL**

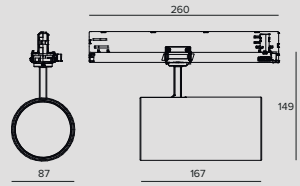
LED / 31W / REFLECTOR / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6606EL**	**1T6607EL**
	EL.	◐	**1T6608EL**	**1T6609EL**
	EL.	●	**1T6610EL**	**1T6611EL**

LED / 31W / REFLECTOR / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6612EL**	**1T6613EL**
	EL.	◐	**1T6614EL**	**1T6615EL**
	EL.	●	**1T6616EL**	**1T6617EL**

9 DALI



LED / 31W / REFLECTOR / SP

	Driver	Colour	3000K	4000K
	DALI	○	**1T6600DA**	**1T6601DA**
	DALI	◐	**1T6602DA**	**1T6603DA**
	DALI	●	**1T6604DA**	**1T6605DA**

LABEL

LED / 31W / REFLECTOR / FL

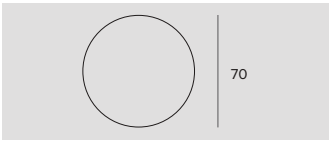
Driver	Colour	3000K	4000K
DALI	○	**1T6606DA**	**1T6607DA**
DALI	●	**1T6608DA**	**1T6609DA**
DALI	◌	**1T6610DA**	**1T6611DA**

LED / 31W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T6612DA**	**1T6613DA**
DALI	●	**1T6614DA**	**1T6615DA**
DALI	◌	**1T6616DA**	**1T6617DA**

Accessories

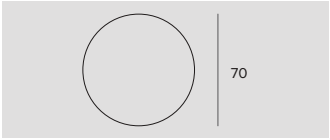
Grid



Ø	Code
70	**1T1711**

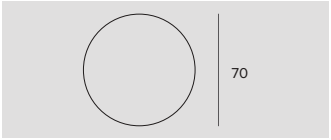
Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Filter



Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.



Ø	Code
70	**1T1709**

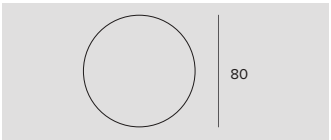
Flat glass wired refractive diffusive filter.
This softens the luminous effect.
To be completed with an additional holder ring for Cloud, Ray Mini, Sore, Label 9 and CCTEVO Extractable 162.

Holder Ring

Code
1T3727

Transparent polycarbonate accessory holder ring.

Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

LABEL

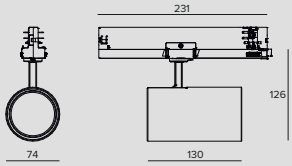
Control systems

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

LABEL

7 Electronic



LED / 25W / REFLECTOR / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T8136EL**	**1T8137EL**
	EL.	●	**1T8138EL**	**1T8139EL**
	EL.	◍	**1T8140EL**	**1T8141EL**

LED / 25W / REFLECTOR / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T8142EL**	**1T8143EL**
	EL.	●	**1T8144EL**	**1T8145EL**
	EL.	◍	**1T8146EL**	**1T8147EL**

LED / 25W / REFLECTOR / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T8148EL**	**1T8149EL**
	EL.	●	**1T8150EL**	**1T8151EL**
	EL.	◍	**1T8152EL**	**1T8153EL**

LED / 25W / LENS / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T8154EL**	**1T8155EL**
	EL.	●	**1T8156EL**	**1T8157EL**
	EL.	◍	**1T8158EL**	**1T8159EL**

LED / 25W / LENS / FL

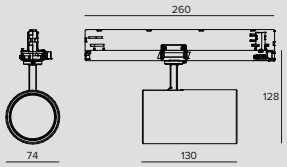
	Driver	Colour	3000K	4000K
	EL.	○	**1T8160EL**	**1T8161EL**
	EL.	●	**1T8162EL**	**1T8163EL**
	EL.	◍	**1T8164EL**	**1T8165EL**

LABEL

LED / 25W / LENS / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T8166EL**	**1T8167EL**
EL.	◐	**1T8168EL**	**1T8169EL**
EL.	●	**1T8170EL**	**1T8171EL**

7 DALI



LED / 25W / REFLECTOR / SP

Driver	Colour	3000K	4000K
DALI	○	**1T8136DA**	**1T8137DA**
DALI	◐	**1T8138DA**	**1T8139DA**
DALI	●	**1T8140DA**	**1T8141DA**

LED / 25W / REFLECTOR / FL

Driver	Colour	3000K	4000K
DALI	○	**1T8142DA**	**1T8143DA**
DALI	◐	**1T8144DA**	**1T8145DA**
DALI	●	**1T8146DA**	**1T8147DA**

LED / 25W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T8148DA**	**1T8149DA**
DALI	◐	**1T8150DA**	**1T8151DA**
DALI	●	**1T8152DA**	**1T8153DA**

LED / 25W / LENS / SP

Driver	Colour	3000K	4000K
DALI	○	**1T8154DA**	**1T8155DA**
DALI	◐	**1T8156DA**	**1T8157DA**
DALI	●	**1T8158DA**	**1T8159DA**

LABEL

LED / 25W / LENS / FL

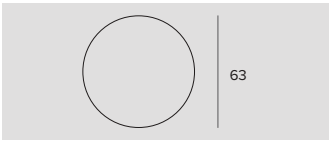
Driver	Colour	3000K	4000K
DALI	○	**1T8160DA**	**1T8161DA**
DALI	●	**1T8162DA**	**1T8163DA**
DALI	◌	**1T8164DA**	**1T8165DA**

LED / 25W / LENS / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T8166DA**	**1T8167DA**
DALI	●	**1T8168DA**	**1T8169DA**
DALI	◌	**1T8170DA**	**1T8171DA**

Accessories

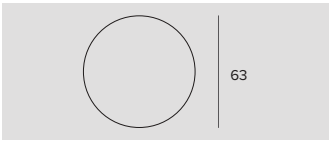
Grid



Ø	Code
63	**1T8093**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Filter



Ø	Code
63	**1T8094**

Holographic PMMA filter with blade of light effect.
Allows the beam to be made oval; combined with spot and flood optics the effect appears more pronounced.

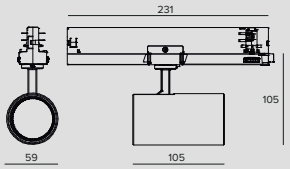
Control systems

Code
1T5352

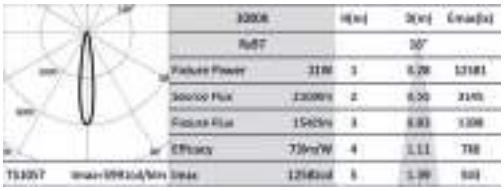
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

LABEL

6 Electronic



LED / 19W / REFLECTOR / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T6582EL**	**1T6583EL**
	EL.	◐	**1T6584EL**	**1T6585EL**
	EL.	●	**1T6586EL**	**1T6587EL**

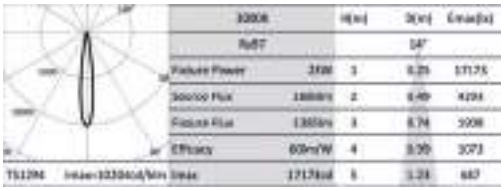
LED / 19W / REFLECTOR / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6588EL**	**1T6589EL**
	EL.	◐	**1T6590EL**	**1T6591EL**
	EL.	●	**1T6592EL**	**1T6593EL**

LED / 19W / REFLECTOR / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6594EL**	**1T6595EL**
	EL.	◐	**1T6596EL**	**1T6597EL**
	EL.	●	**1T6598EL**	**1T6599EL**

LED / 21W / LENS / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T9082EL**	**1T9083EL**
	EL.	◐	**1T9084EL**	**1T9085EL**
	EL.	●	**1T9086EL**	**1T9087EL**

LED / 19W / LENS / FL

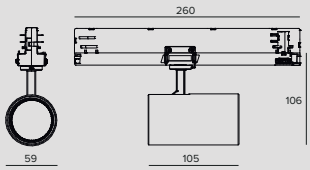
	Driver	Colour	3000K	4000K
	EL.	○	**1T9088EL**	**1T9089EL**
	EL.	◐	**1T9090EL**	**1T9091EL**
	EL.	●	**1T9092EL**	**1T9093EL**

LABEL

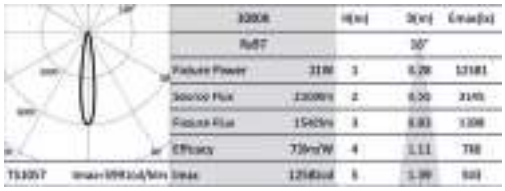
LED / 19W / LENS / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T9094EL**	**1T9095EL**
EL.	●	**1T9096EL**	**1T9097EL**
EL.	◍	**1T9098EL**	**1T9099EL**

6 DALI



LED / 19W / REFLECTOR / SP



Driver	Colour	3000K	4000K
DALI	○	**1T6582DA**	**1T6583DA**
DALI	●	**1T6584DA**	**1T6585DA**
DALI	◍	**1T6586DA**	**1T6587DA**

LED / 19W / REFLECTOR / FL

Driver	Colour	3000K	4000K
DALI	○	**1T6588DA**	**1T6589DA**
DALI	●	**1T6590DA**	**1T6591DA**
DALI	◍	**1T6592DA**	**1T6593DA**

LED / 19W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T6594DA**	**1T6595DA**
DALI	●	**1T6596DA**	**1T6597DA**
DALI	◍	**1T6598DA**	**1T6599DA**

LED / 21W / LENS / SP

Driver	Colour	3000K	4000K
DALI	○	**1T9082DA**	**1T9083DA**
DALI	●	**1T9084DA**	**1T9085DA**
DALI	◍	**1T9086DA**	**1T9087DA**

LABEL

LED / 19W / LENS / FL

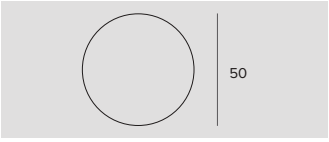
	Driver	Colour	3000K	4000K
	DALI	○	**1T9088DA**	**1T9089DA**
	DALI	◐	**1T9090DA**	**1T9091DA**
	DALI	●	**1T9092DA**	**1T9093DA**

LED / 19W / LENS / MWFL

	Driver	Colour	3000K	4000K
	DALI	○	**1T9094DA**	**1T9095DA**
	DALI	◐	**1T9096DA**	**1T9097DA**
	DALI	●	**1T9098DA**	**1T9099DA**

Accessories

Grid



	Ø	Code
	50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Filter

	Ø	Code
	50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Control systems

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Oursin Restaurant
Paris, France

Concept L'agence Versions

CAPSULE

GENERAL INFO
An adjustable professional LED projector. The optical unit can be adjusted from 0° to 90° on the vertical plane and 355° on the horizontal plane
Ø60mm – Ø70mm

LED
Chip on board
From 1928lm to 3671lm
3000K – 4000K
Ra90

PRODUCT EFFICACY
Up to 98lm/W

OPTICS
SP - FL28 - FL35 - MWFL

POWER SUPPLY
Electronic

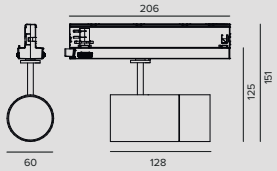
MATERIAL
Painted die-cast aluminium body.

A range of adjustable versatile projectors available in two different sizes, Capsule 6 (Ø60mm) and Capsule 7 (Ø70mm).
The optical unit can be adjusted from 0° to 90° on the vertical plane and 355° on the horizontal plane.

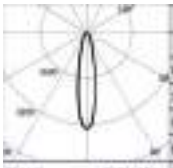
The Ø 60mm versions are equipped with MWFL optics, whereas the Ø 70mm versions with FL35 optics . It is very easy to replace the lens to obtain a narrower beam. Already included in the package is a second lens to obtain a SP emission. An additional lens for 28° beam openings is available as an accessory (FL28 optic). The LED source remains set back to ensure excellent visual comfort.

CAPSULE

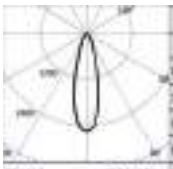
Ø 60



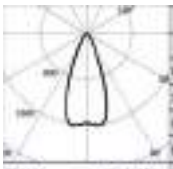
LED / 18W / LENS / SP-MWFL



3000K				
Ra90			20°	
Fixture Power	20W	1	0.85	8316
Source Flux	13188lm	2	0.70	6929
Fixture Flux	1719lm	3	1.04	714
Efficacy	86lm/W	4	1.39	407
TS1129	Imax 8388cd/klm	Imax	1.74	242



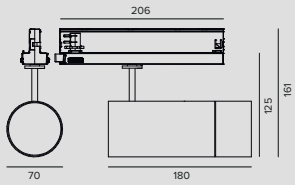
3000K				
Ra90			28°	
Fixture Power	20W	1	0.89	4955
Source Flux	13188lm	2	0.98	4239
Fixture Flux	1758lm	3	1.47	511
Efficacy	87lm/W	4	1.97	310
TS1130	Imax 2570cd/klm	Imax	2.46	198



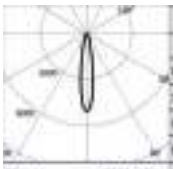
3000K				
Ra90			42°	
Fixture Power	20W	1	0.77	8063
Source Flux	13188lm	2	1.54	7940
Fixture Flux	1767lm	3	2.30	1148
Efficacy	88lm/W	4	3.07	190
TS1131	Imax 1063cd/klm	Imax	3.83	112

	Driver	Colour	3000K	4000K
	EL.	○	**1TD0001EL**	**1TD0002EL**
	EL.	◐	**1TD0003EL**	**1TD0004EL**

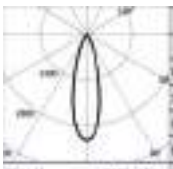
Ø 70



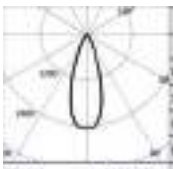
LED / 31W / LENS / SP-FL



3000K				
Ra90			17°	
Fixture Power	31W	1	0.80	17880
Source Flux	3498lm	2	0.90	4450
Fixture Flux	1866lm	3	0.90	1078
Efficacy	88lm/W	4	1.20	1113
TS1141	Imax 6041cd/klm	Imax	1.51	712



3000K				
Ra90			28°	
Fixture Power	31W	1	0.92	11179
Source Flux	3498lm	2	1.00	2845
Fixture Flux	1305lm	3	1.49	1264
Efficacy	92lm/W	4	1.99	711
TS1142	Imax 4251cd/klm	Imax	2.49	455



3000K				
Ra90			35°	
Fixture Power	31W	1	0.83	8713
Source Flux	3498lm	2	1.26	2178
Fixture Flux	1251lm	3	1.88	968
Efficacy	93lm/W	4	2.51	545
TS1140	Imax 2493cd/klm	Imax	3.14	348

	Driver	Colour	3000K	4000K
	EL.	○	**1TD0005EL**	**1TD0006EL**
	EL.	◐	**1TD0007EL**	**1TD0008EL**

CAPSULE

Accessories

Optic

	Ø	Code
	60	**1TD0017**
	70	**1TD0018**

FL (28°) opening lens optic.

STORE

GENERAL INFO
Professional projector for LED sources.
Optical chamber adjustable 0° - 90° vertically and 355° horizontally.
Mechanical aiming lock in the horizontal plane and blocking equipped with a friction system in the vertical plane.
Store ø93mm
Store Mini ø75mm

LED
Chip on board
From 1786lm to 4385lm
3000K – 4000K
Ra80 - Ra97

PRODUCT EFFICACY
Up to 119lm/W

OPTICS
SP – FL – MWFL – WFL

POWER SUPPLY
Electronic – DALI

MATERIAL
Optical chamber and power box in painted die-cast aluminium. Front ring for accessories in painted aluminium.

ON DEMAND
Easy Custom Colour

110-277Vac power supply (Store)

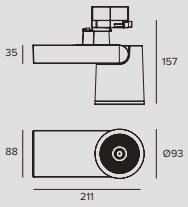
A range of projectors designed to meet the particular requirements of the Retail market where excellent performance, minimal design and controlled light are required. Available in a projector and recessed versions, both in two different sizes.

The projector version comes in two different sizes: a large version with a separate driver box and a Mini version with a driver hidden in the track.

		STORE	STORE MINI
		Ø 93mm	Ø 75mm
LED	Flux (lm)	2257- 4385	1786 - 2532
	Power	19W - 33W	11W - 18W
OPTICS			
SP	Lens		•
	Reflector	•	
FL	Lens		•
	Reflector	•	
MWFL	Reflector	•	•
WFL	Reflector	•	•

Mc Laren Showroom
Milan, Italy

Projector



LED / 19W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5050EL**	**1T5052EL**
EL.	◐	**1T5034EL**	**1T5036EL**
DALI	○	**1T5050DA**	**1T5052DA**
DALI	◐	**1T5034DA**	**1T5036DA**

LED / 19W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5051EL**	**1T5053EL**
EL.	◐	**1T5035EL**	**1T5037EL**
DALI	○	**1T5051DA**	**1T5053DA**
DALI	◐	**1T5035DA**	**1T5037DA**

LED / 19W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5054EL**	**1T5056EL**
EL.	◐	**1T5038EL**	**1T5040EL**
DALI	○	**1T5054DA**	**1T5056DA**
DALI	◐	**1T5038DA**	**1T5040DA**

LED / 19W / REFLECTOR / FL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5055EL**	**1T5057EL**
EL.	◐	**1T5039EL**	**1T5041EL**
DALI	○	**1T5055DA**	**1T5057DA**
DALI	◐	**1T5039DA**	**1T5041DA**

LED / 19W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5058EL**	**1T5060EL**
EL.	◐	**1T5042EL**	**1T5044EL**
DALI	○	**1T5058DA**	**1T5060DA**
DALI	◐	**1T5042DA**	**1T5044DA**

STORE

LED / 19W / REFLECTOR / MWFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5059EL**	**1T5061EL**
EL.	●	**1T5043EL**	**1T5045EL**
DALI	○	**1T5059DA**	**1T5061DA**
DALI	●	**1T5043DA**	**1T5045DA**

LED / 19W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5062EL**	**1T5064EL**
EL.	●	**1T5046EL**	**1T5048EL**
DALI	○	**1T5062DA**	**1T5064DA**
DALI	●	**1T5046DA**	**1T5048DA**

LED / 19W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5063EL**	**1T5065EL**
EL.	●	**1T5047EL**	**1T5049EL**
DALI	○	**1T5063DA**	**1T5065DA**
DALI	●	**1T5047DA**	**1T5049DA**

LED / 33W / REFLECTOR / SP / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5082EL**	**1T5084EL**
EL.	●	**1T5066EL**	**1T5068EL**
DALI	○	**1T5082DA**	**1T5084DA**
DALI	●	**1T5066DA**	**1T5068DA**

LED / 33W / REFLECTOR / SP / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5083EL**	**1T5085EL**
EL.	●	**1T5067EL**	**1T5069EL**
DALI	○	**1T5083DA**	**1T5085DA**
DALI	●	**1T5067DA**	**1T5069DA**

LED / 33W / REFLECTOR / FL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5086EL**	**1T5088EL**
EL.	●	**1T5070EL**	**1T5072EL**
DALI	○	**1T5086DA**	**1T5088DA**
DALI	●	**1T5070DA**	**1T5072DA**

STORE

LED / 33W / REFLECTOR / FL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5087EL**	**1T5089EL**
EL.	●	**1T5071EL**	**1T5073EL**
DALI	○	**1T5087DA**	**1T5089DA**
DALI	●	**1T5071DA**	**1T5073DA**

LED / 33W / REFLECTOR / MWFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5090EL**	**1T5092EL**
EL.	●	**1T5074EL**	**1T5076EL**
DALI	○	**1T5090DA**	**1T5092DA**
DALI	●	**1T5074DA**	**1T5076DA**

LED / 33W / REFLECTOR / MWFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5091EL**	**1T5093EL**
EL.	●	**1T5075EL**	**1T5077EL**
DALI	○	**1T5091DA**	**1T5093DA**
DALI	●	**1T5075DA**	**1T5077DA**

LED / 33W / REFLECTOR / WFL / CRI80

Driver	Colour	3000K	4000K
EL.	○	**1T5094EL**	**1T5096EL**
EL.	●	**1T5078EL**	**1T5080EL**
DALI	○	**1T5094DA**	**1T5096DA**
DALI	●	**1T5078DA**	**1T5080DA**

LED / 33W / REFLECTOR / WFL / CRI97

Driver	Colour	3000K	4000K
EL.	○	**1T5095EL**	**1T5097EL**
EL.	●	**1T5079EL**	**1T5081EL**
DALI	○	**1T5095DA**	**1T5097DA**
DALI	●	**1T5079DA**	**1T5081DA**

Accessories

Filter

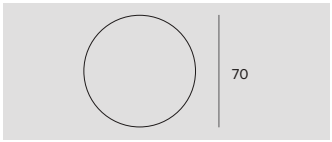
Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 33/W.

Ø	Code
70	**1T1709**

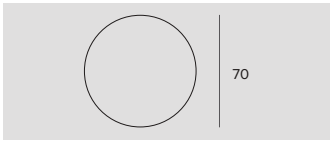
Flat glass wired refractive diffusive filter.
This softens the luminous effect.
To be completed with an additional holder ring for Cloud, Ray Mini, Sore, Label 9 and CCTEVO Extractable 162.
Cannot be used with version from 33/W.

STORE



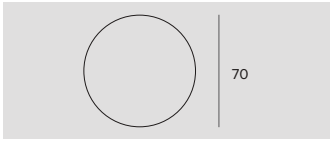
Filter	Ø	Code
Halogen +	70	**1T6506**
Vivid +	70	**1T6507**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.



Filter	Ø	Code
Meat	70	**1T6508**
Fish	70	**1T6509**
Bread	70	**1T6510**
Vegetables	70	**1T6511**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.
1T6508 - To be used only with 3000K and Ra80 fixtures.
1T6509 - To be used only with 4000K and Ra80 fixtures.
1T6510 - To be used only with 3000K and Ra80 fixtures.
1T6511 - To be used only with 3000K and Ra80 fixtures.



Filter	Ø	Code
Beauty	70	**1T6512**

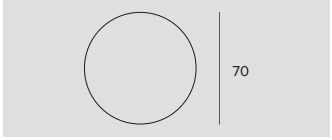
Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
Cannot be used with version from 33/W.

Screen

Ø	Code
80	**1T6522**

Protective screen.
Cannot be used with version from 33/W.

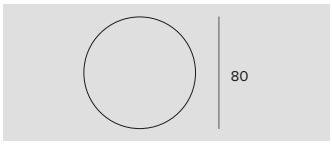
Grid



Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.
Cannot be used with version from 33/W.

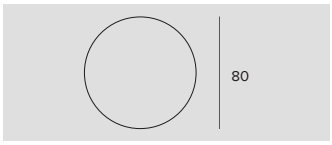
Zoom



Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.
Cannot be used with version from 33/W.

Cut-off

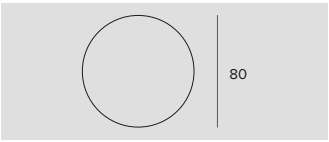


Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.
Cannot be used with version from 33/W.

STORE

Screen



Ø	Code
80	**1T3143**

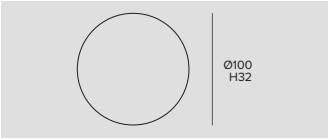
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.
Cannot be used with version from 33/W.

Holder Ring

Code
1T3727

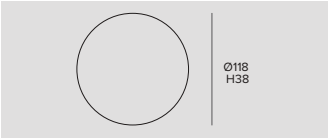
Transparent polycarbonate accessory holder ring.

Adapter



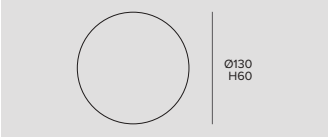
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	◑	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	◑	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	◑	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	◑	**9000/BRU-G**

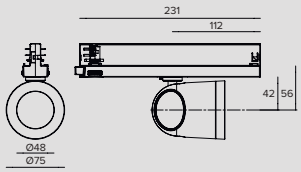
Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

Control systems

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Mini Projector Electronic



LED / 13W / LENS / SP

Driver	Colour	3000K	4000K
EL.	○	**1T5016EL**	**1T5017EL**
EL.	●	**1T5010EL**	**1T5011EL**

LED / 12W / LENS / FL

Driver	Colour	3000K	4000K
EL.	○	**1T5018EL**	**1T5019EL**
EL.	●	**1T5012EL**	**1T5013EL**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T5020EL**	**1T5021EL**
EL.	●	**1T5014EL**	**1T5015EL**

LED / 18W / LENS / SP

Driver	Colour	3000K	4000K
EL.	○	**1T5028EL**	**1T5029EL**
EL.	●	**1T5022EL**	**1T5023EL**

LED / 18W / REFLECTOR / MWFL

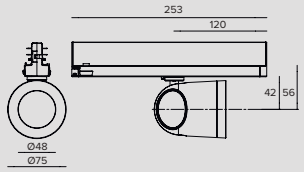
Driver	Colour	3000K	4000K
EL.	○	**1T5030EL**	**1T5031EL**
EL.	●	**1T5024EL**	**1T5025EL**

STORE

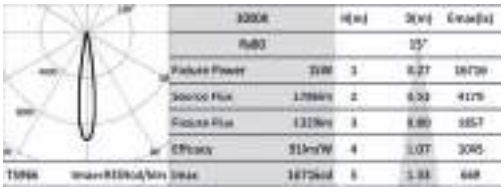
LED / 18W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T5032EL**	**1T5033EL**
EL.	◐	**1T5026EL**	**1T5027EL**

Mini Projector DALI



LED / 13W / LENS / SP



Driver	Colour	3000K	4000K
DALI	○	**1T5016DA**	**1T5017DA**
DALI	◐	**1T5010DA**	**1T5011DA**

LED / 12W / LENS / FL

Driver	Colour	3000K	4000K
DALI	○	**1T5018DA**	**1T5019DA**
DALI	◐	**1T5012DA**	**1T5013DA**

LED / 12W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T5020DA**	**1T5021DA**
DALI	◐	**1T5014DA**	**1T5015DA**

LED / 18W / LENS / SP

Driver	Colour	3000K	4000K
DALI	○	**1T5028DA**	**1T5029DA**
DALI	◐	**1T5022DA**	**1T5023DA**

STORE

LED / 18W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
DALI	○	**1T5030DA**	**1T5031DA**
DALI	●	**1T5024DA**	**1T5025DA**

LED / 18W / REFLECTOR / WFL

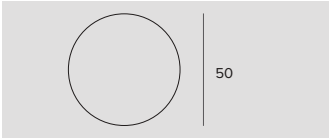
Driver	Colour	3000K	4000K
DALI	○	**1T5032DA**	**1T5033DA**
DALI	●	**1T5026DA**	**1T5027DA**

Accessories

Filter

Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

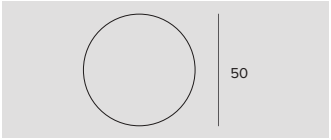


Filter	Ø	Code
Halogen +	50	**1T6381**
Vivid +	50	**1T6383**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.

Filter	Ø	Code
Meat	50	**1T6385**
Fish	50	**1T6387**
Bread	50	**1T6389**
Vegetables	50	**1T6391**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
1T6385 - To be used only with 3000K and Ra80 fixtures.
1T6387 - To be used only with 4000K and Ra80 fixtures.
1T6389 - To be used only with 3000K and Ra80 fixtures.
1T6391 - To be used only with 3000K and Ra80 fixtures.

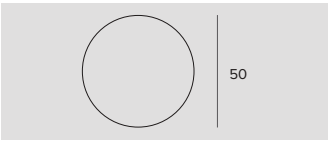


Filter	Ø	Code
Beauty	50	**1T6393**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.

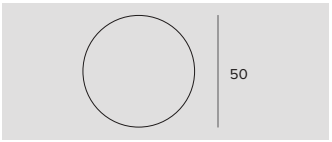
STORE

Screen



Ø	Code
50	**1T4325**

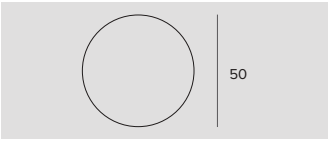
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.



Ø	Code
50	**1T6521**

Protective screen.

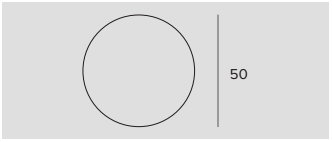
Grid



Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

Zoom



Ø	Code
50	**1T4324**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It can not be used with a narrow spot optic.
It makes it possible to obtain a variable beam from 15° to 60°.

Control systems

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Seraphine Store
Paris, France

Photo Seraphine.com

LEDÒ

GENERAL INFO
Professional adjustable LED projector.
The body can be adjusted from 0° to -90° on a vertical plane and by 355° on a horizontal plane with double blocking equipped with a friction system.
Ledò L. 178mm
Ledò Tunable
and DBS L. 213mm

LED
Standard e DBS
Chip on board
From 2268lm to 2734lm
3000K – 4000K
Ra97
Tunable
Chip on board
From 1960lm to 2290lm
From 2700K to 5700K
Ra90

PRODUCT EFFICACY
Up to 92lm/W

OPTICS
SP – FL – MWFL – WFL
DBS - Digital beam opening control

POWER SUPPLY
Electronic – DALI
Control: Dimmer on board – Casambi on board

MATERIAL
Painted die-cast aluminium body (L=178 mm) or extruded painted aluminium body (L=213 mm). Black polycarbonate front interchangeable optical chamber for versions with electronic drivers and with the same colour body for the other versions, back ring with radial grid for heat dissipation.

ON DEMAND
Easy Custom Colour

110-277Vac power supply

Track projectors designed for museum lighting given the precise beam modelling, the high colour quality of the light and excellent colour rendering. Available with a fixed optic with a DBS system to modulate the beam on the object to be lit up to 50°.

The Tunable version on the other hand allows to vary the colour temperature from 2700K to 5700K.

The different versions are available with an electronic driver, a dimmable on board driver or can be controlled with a smartphone using the Casambi app to manage the luminous intensity of every single fixture.
The electronic, DALI and DBS versions have an integrated driver. The Tunable version has a separate driver.

		178mm	213mm Tunable	213mm DBS
LED	Flux (lm)	2524 - 2734	1960 - 2290	2268-2350
	Power	24-25W	25W	21W
OPTICS				
SP	Hybrid	•		
	Reflector		•	
FL	Hybrid	•		
	Reflector		•	
MWFL	Reflector	•	•	
WFL	Reflector	•	•	
DBS	Variable			•

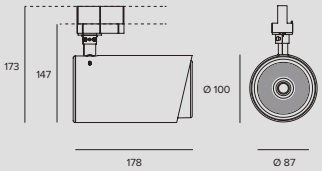
Saint Germain des Prés
Paris, France

Lighting Design Armand Zadkian

Photographer Hugo Hebrard

LEDÒ

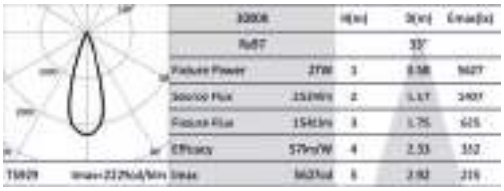
L. 178mm



LED / 24W / HYBRID / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T4882**	**1T4883**
	EL.	◐	**1T4886**	**1T4887**
	EL.	◐	**1T4878**	**1T4879**
	DIMM ON BOARD	○	**1T4890**	
	DIMM ON BOARD	○	**1T4892**	
	DIMM ON BOARD	◐	**1T4894**	
	DALI	○	**1T4896**	
	DALI	○	**1T4898**	
	DALI	◐	**1T4900**	

LED / 24W / HYBRID / FL



	Driver	Colour	3000K	4000K
	EL.	○	**1T4884**	**1T4885**
	EL.	◐	**1T4888**	**1T4889**
	EL.	◐	**1T4880**	**1T4881**
	DIMM ON BOARD	○	**1T4891**	
	DIMM ON BOARD	○	**1T4893**	
	DIMM ON BOARD	◐	**1T4895**	
	DALI	○	**1T4897**	
	DALI	○	**1T4899**	
	DALI	◐	**1T4901**	

LED / 24W / REFLECTOR / MWFL

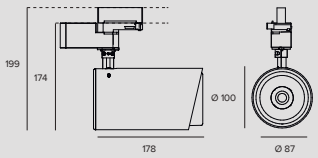
Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3491**	**1T3492**
ENEC	EL.	◐	**1T3499**	**1T3500**
ENEC	EL.	◐	**1T3483**	**1T3484**
	DIMM ON BOARD	○	**1T4369**	
	DIMM ON BOARD	○	**1T4373**	
	DIMM ON BOARD	◐	**1T4377**	
	DALI	○	**1T4381**	
	DALI	○	**1T4385**	
	DALI	◐	**1T4389**	

LED / 24W / REFLECTOR / WFL

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3493**	**1T3494**
ENEC	EL.	◐	**1T3501**	**1T3502**
ENEC	EL.	◐	**1T3485**	**1T3486**
	DIMM ON BOARD	○	**1T4370**	
	DIMM ON BOARD	○	**1T4374**	
	DIMM ON BOARD	◐	**1T4378**	
	DALI	○	**1T4382**	
	DALI	○	**1T4386**	
	DALI	◐	**1T4390**	

LEDÒ

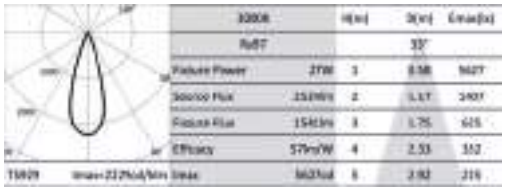
L. 178mm Casambi



LED / 25W / HYBRID / SP

Driver	Colour	3000K
CASAMBI	○	**1T4896CA**
CASAMBI	○	**1T4898CA**
CASAMBI	●	**1T4900CA**

LED / 25W / HYBRID / FL



Driver	Colour	3000K
CASAMBI	○	**1T4897CA**
CASAMBI	○	**1T4899CA**
CASAMBI	●	**1T4901CA**

LED / 25W / REFLECTOR / MWFL

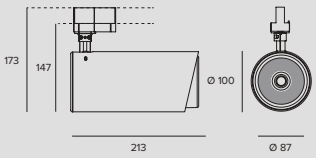
Driver	Colour	3000K
CASAMBI	○	**1T4381CA**
CASAMBI	○	**1T4385CA**
CASAMBI	●	**1T4389CA**

LED / 25W / REFLECTOR / WFL

Driver	Colour	3000K
CASAMBI	○	**1T4382CA**
CASAMBI	○	**1T4386CA**
CASAMBI	●	**1T4390CA**

LEDÒ

L. 213mm DBS

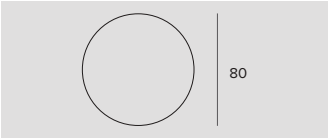


LED / 21W / DBS

	Driver	Colour	3000K	4000K
	CASAMBI		**1T9972CA**	**1T9976CA**
	CASAMBI		**1T9969CA**	**1T9973CA**
	CASAMBI		**1T9970CA**	**1T9974CA**
	CASAMBI		**1T9971CA**	**1T9975CA**

Accessories

Filter



	Ø	Code
	80	**1T3141**

Flat glass, grooved refractive blade light filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

	Ø	Code
	80	**1T3140**

Flat glass micro prismatic refractive diffusive filter.
This softens the luminous effect.

Screen

	Ø	Code
	80	**1T6522**

Protective screen.

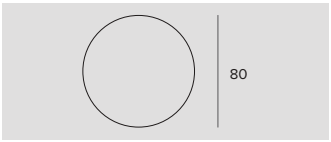
Grid

	Ø	Code
	80	**1T3423**

Anti-glare louver.
Black painted metal honeycomb structure.

LEDÒ

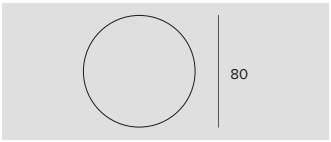
Zoom



Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.

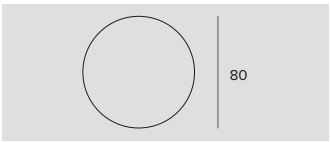
Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

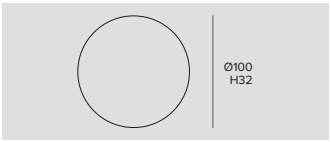
Screen



Ø	Code
80	**1T3143**

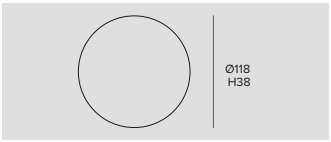
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Adapter



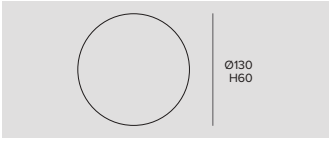
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	●	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



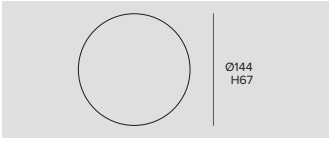
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	●	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	●	**1T2224**

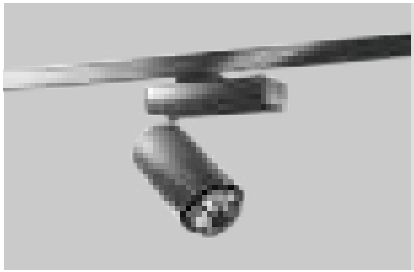
Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.



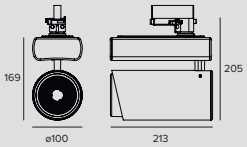
Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	●	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

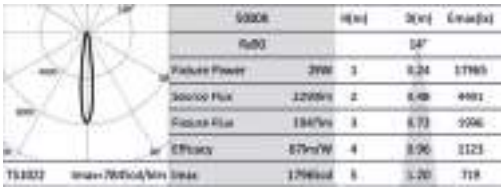
LEDÒ



Tunable 2700-5700K

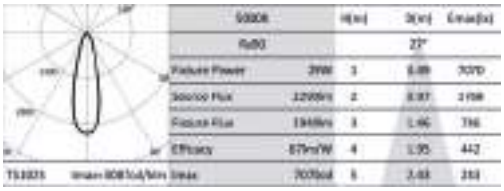


LED / 25W / SP



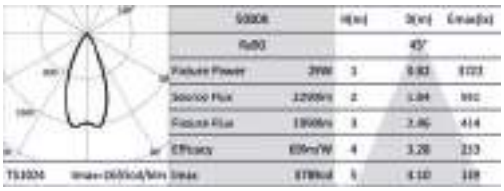
	Driver	Colour	CTC
	CASAMBI		**1T4439CA**
	CASAMBI		**1T4443CA**
	CASAMBI		**1T4447CA**

LED / 25W / FL



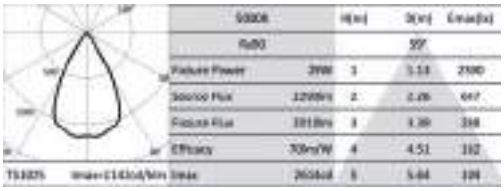
	Driver	Colour	CTC
	CASAMBI		**1T4440CA**
	CASAMBI		**1T4444CA**
	CASAMBI		**1T4448CA**

LED / 25W / MWFL



	Driver	Colour	CTC
	CASAMBI		**1T4441CA**
	CASAMBI		**1T4445CA**
	CASAMBI		**1T4449CA**

LED / 25W / WFL



	Driver	Colour	CTC
	CASAMBI		**1T4442CA**
	CASAMBI		**1T4446CA**
	CASAMBI		**1T4450CA**

Accessories

Filter

Ø	Code
80	**1T3141**

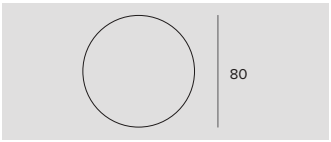
Flat glass, grooved refractive blade light filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

Ø	Code
80	**1T3140**

Flat glass micro prismatic refractive diffusive filter.
This softens the luminous effect.

LEDÒ

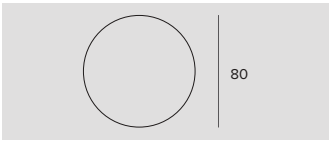
Screen



Ø	Code
80	**1T6522**

Protective screen.

Grid



Ø	Code
80	**1T3423**

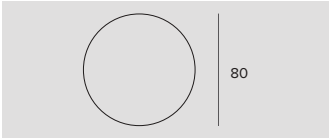
Anti-glare louver.
Black painted metal honeycomb structure.

Zoom

Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.

Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

Screen

Ø	Code
80	**1T3143**

Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Adapter

Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	◑	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.

Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	◑	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

RAY

GENERAL INFO
Professional adjustable LED projector.
Adjustable from 0° to -90° in the vertical plane and 359° in the horizontal plane. Mechanical beam locking system on the vertical plane and graduated ring nut for beam locking on the horizontal plane (only for Ray Ø163mm).
Ray Ø163mm
Ray Mini Ø115mm
Ray Micro Ø89mm

LED
Chip on board
From 1949lm to 7232lm
3000K – 4000K
Ra80-Ra97

PRODUCT EFFICACY
Up to 125lm/W

OPTICS
SP – FL – MWFL - WFL

POWER SUPPLY
Electronic – DALI
DALI on request (Ray Micro)

MATERIAL
Die-cast aluminium body painted. Front ring made of black ryton.

ON DEMAND

Easy Custom Colour

Ra97 (Ray Micro)

110-277Vac power supply (Ray Mini)

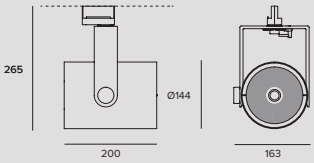
A range of projectors characterised by an essential design and high performance. Clearly intended for the Retail environment, there are different sizes and different power supplies to satisfy size and performance requirements within the same project.

All versions have optics with reflectors to obtain soft, delicate tones on all beam openings.

Moroso Design Outlet
Tavagnacco, Udine - Italia

Photo Courtesy of Moroso S.p.A.

RAY



LED / 50W / REFLECTOR / FL / CRI80

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3692**	
ENEC	EL.	●	**1T3693**	
	EL.	○		**1T5325**
	EL.	●		**1T5326**
	DALI	○	**1T3692DA**	**1T5325DA**
	DALI	●	**1T3693DA**	**1T5326DA**

LED / 50W / REFLECTOR / FL / CRI97

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4253**	
ENEC	EL.	●	**1T4254**	
	EL.	○		**1T5333**
	EL.	●		**1T5334**
	DALI	○	**1T4253DA**	**1T5333DA**
	DALI	●	**1T4254DA**	**1T5334DA**

LED / 50W / REFLECTOR / WFL / CRI80

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T3694**	
ENEC	EL.	●	**1T3695**	
	EL.	○		**1T5327**
	EL.	●		**1T5328**
	DALI	○	**1T3694DA**	**1T5327DA**
	DALI	●	**1T3695DA**	**1T5328DA**

LED / 50W / REFLECTOR / WFL / CRI97

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4255**	
ENEC	EL.	●	**1T4256**	
	EL.	○		**1T5335**
	EL.	●		**1T5336**
	DALI	○	**1T4255DA**	**1T5335DA**
	DALI	●	**1T4256DA**	**1T5336DA**

RAY

Accessories

Screen

Code
1T6523

Protective screen.

Grid

Code
1T6918

Anti-glare louver.
Black painted metal honeycomb structure.

Ray Shade

Code
1T3696

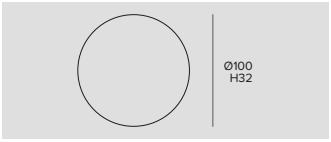
Adjustable barn doors flaps.

Control systems

Code
1T5352

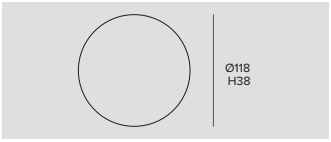
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

Adapter



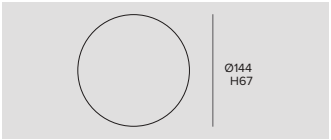
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	●	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



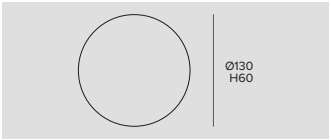
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	●	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	●	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

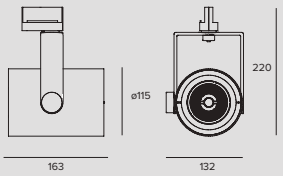


Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	●	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

RAY

Mini



LED / 30W / REFLECTOR / SP / CRI80

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4201**	
ENEC	EL.	●	**1T4197**	
	EL.	○		**1T5340**
	EL.	●		**1T5337**
	DALI	○	**1T4201DA**	**1T5340DA**
	DALI	●	**1T4197DA**	**1T5337DA**

LED / 30W / REFLECTOR / SP / CRI97

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4260**	
ENEC	EL.	●	**1T4257**	
	EL.	○		**1T5346**
	EL.	●		**1T5343**
	DALI	○	**1T4260DA**	**1T5346DA**
	DALI	●	**1T4257DA**	**1T5343DA**

LED / 30W / REFLECTOR / FL / CRI80

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4202**	
ENEC	EL.	●	**1T4198**	
	EL.	○		**1T5341**
	EL.	●		**1T5338**
	DALI	○	**1T4202DA**	**1T5341DA**
	DALI	●	**1T4198DA**	**1T5338DA**

LED / 30W / REFLECTOR / FL / CRI97

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4261**	
ENEC	EL.	●	**1T4258**	
	EL.	○		**1T5347**
	EL.	●		**1T5344**
	DALI	○	**1T4261DA**	**1T5347DA**
	DALI	●	**1T4258DA**	**1T5344DA**

LED / 30W / REFLECTOR / MWFL / CRI80

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4203**	
ENEC	EL.	●	**1T4199**	
	EL.	○		**1T5342**
	EL.	●		**1T5339**
	DALI	○	**1T4203DA**	**1T5342DA**
	DALI	●	**1T4199DA**	**1T5339DA**

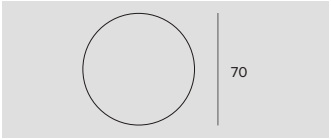
RAY

LED / 30W / REFLECTOR / MWFL / CRI97

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.	○	**1T4262**	
ENEC	EL.	●	**1T4259**	
	DALI	○	**1T4262DA**	**1T5348DA**
	DALI	●	**1T4259DA**	**1T5345DA**
	EL.	○		**1T5348**
	EL.	●		**1T5345**

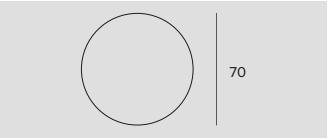
Accessories

Filter



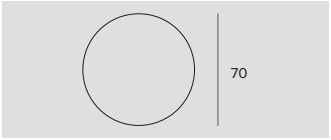
Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.



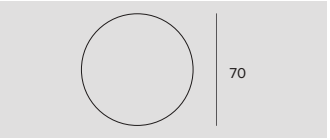
Ø	Code
70	**1T1709**

Flat glass wired refractive diffusive filter.
This softens the luminous effect.
To be completed with an additional holder ring for Cloud, Ray Mini, Sore, Label 9 and CCTEVO Extractable 162.



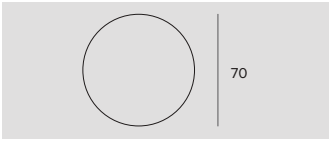
Filter	Ø	Code
Halogen +	70	**1T6506**
Vivid +	70	**1T6507**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.



Filter	Ø	Code
Meat	70	**1T6508**
Fish	70	**1T6509**
Bread	70	**1T6510**
Vegetables	70	**1T6511**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.
1T6508 - To be used only with 3000K and Ra80 fixtures.
1T6509 - To be used only with 4000K and Ra80 fixtures.
1T6510 - To be used only with 3000K and Ra80 fixtures.
1T6511 - To be used only with 3000K and Ra80 fixtures.

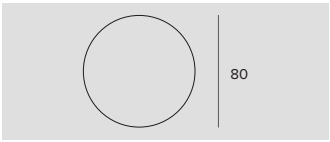


Filter	Ø	Code
Beauty	70	**1T6512**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9.

RAY

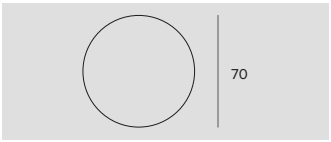
Screen



Ø	Code
80	**1T6522**

Protective screen.

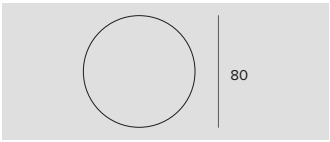
Grid



Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

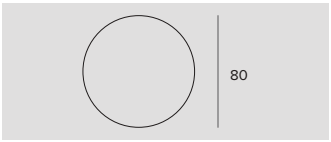
Zoom



Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.

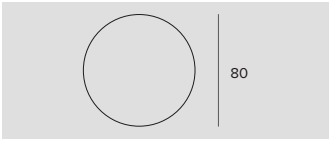
Cut-off



Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.

Screen



Ø	Code
80	**1T3143**

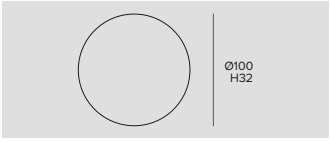
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Holder Ring

Code
1T3727

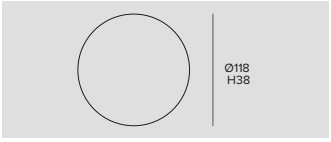
Transparent polycarbonate accessory holder ring.

Adapter



Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	●	**1T2220**
100	32	EL.	◌	**1T2219**

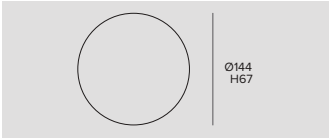
Base for ceiling installation of projectors with an adapter for electrified track.



Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	◌	**9000/BPU-D-G**

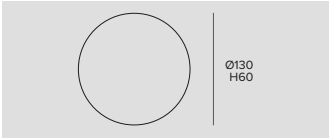
Base for ceiling installation of projectors with an adapter for electrified track.

RAY



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	◯	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	◯	**1T2224**

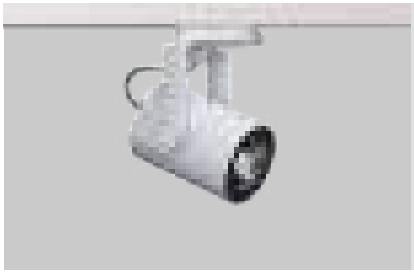
Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

Control systems

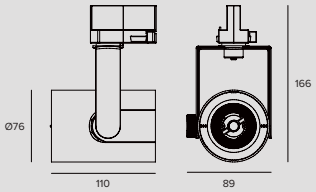
Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

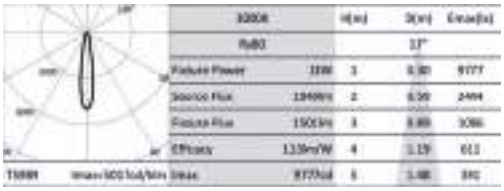
RAY



Micro



LED / 12W / REFLECTOR / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T6317**	**1T6319**
	EL.	◐	**1T6318**	**1T6320**

LED / 12W / REFLECTOR / MWFL

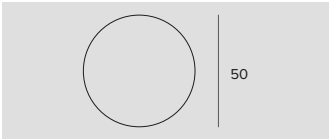
	Driver	Colour	3000K	4000K
	EL.	○	**1T6321**	**1T6323**
	EL.	◐	**1T6322**	**1T6324**

Note

DALI on request.

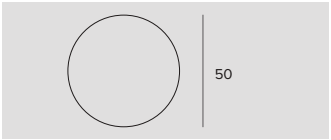
Accessories

Filter



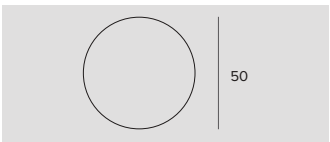
	Ø	Code
	50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.



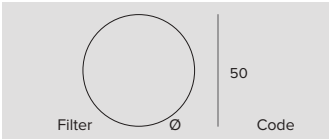
	Filter	Ø	Code
	Halogen +	50	**1T6381**
	Vivid +	50	**1T6383**

Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.



	Filter	Ø	Code
	Meat	50	**1T6385**
	Fish	50	**1T6387**
	Bread	50	**1T6389**
	Vegetables	50	**1T6391**

Food filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
1T6385 - To be used only with 3000K and Ra80 fixtures.
1T6387 - To be used only with 4000K and Ra80 fixtures.
1T6389 - To be used only with 3000K and Ra80 fixtures.
1T6391 - To be used only with 3000K and Ra80 fixtures.

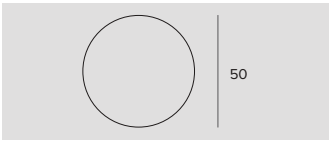


	Filter	Ø	Code
	Beauty	50	**1T6393**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.

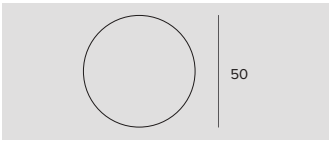
RAY

Screen



Ø	Code
50	**1T6521**

Protective screen.



Ø	Code
50	**1T4325**

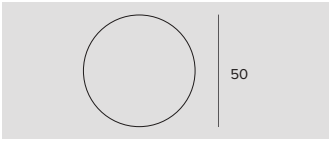
Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Grid

Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

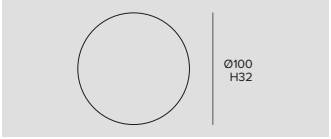
Zoom



Ø	Code
50	**1T4324**

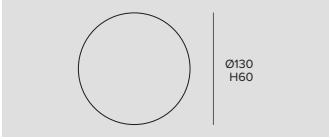
Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It can not be used with a narrow spot optic.
It makes it possible to obtain a variable beam from 15° to 60°.

Adapter



Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	◍	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	●	**1T2222**
Ø105/125	130	60	EL.	◍	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.

EUROSTANDARD

Plus

GENERAL INFO
Eurostandard Plus 230V track.
L. 1000mm – 2000mm – 3000mm

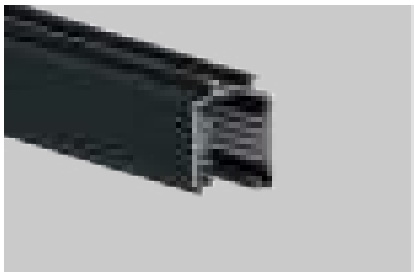
POWER SUPPLY
Electronic – DALI
Frequency: 50Hz

MATERIAL
A 3 phase mixed system with two additional conductors intended to manage a general data signal (for example DALI, DMX).
Electrified track in three lengths in extruded anodized aluminum or in extruded painted aluminium. Conductors in copper insulated in PVC.

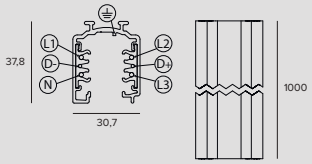
The Eurostandard Plus is a universal 230V track that is compatible with all projectors in the Targetti collection and with all projectors that conform with European standards.

A standard double and recessed version in three different lengths. It has a double fixing systems for ceiling and suspension installations with joints of various sizes and configurations to obtain infinite compositions.

EUROSTANDARD PLUS

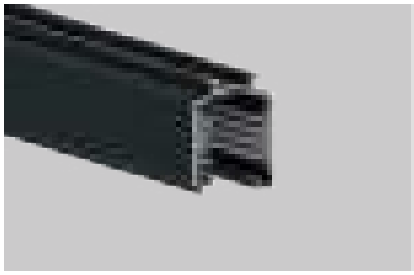


Standard
L. 1000mm

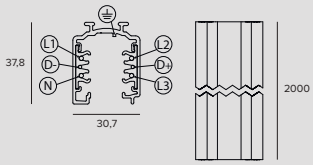


STANDARD

Kg	L	Colour	
1.1	1000	○	**9000A-1/W-ST**
1.1	1000	◐	**9000A-1/B-ST**
1.1	1000	◯	**9000A-1/G-ST**

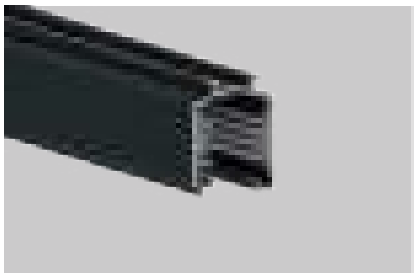


Standard
L. 2000mm

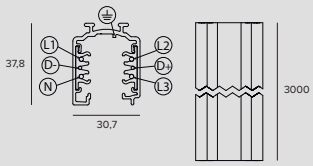


STANDARD

Kg	L	Colour	
2.1	2000	○	**9000A-2/W-ST**
2.1	2000	◐	**9000A-2/B-ST**
2.1	2000	◯	**9000A-2/G-ST**



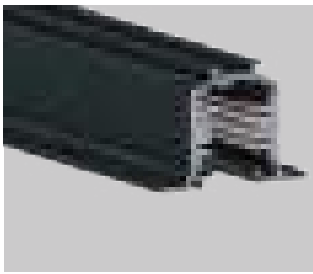
Standard
L. 3000mm



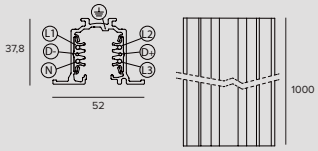
STANDARD

Kg	L	Colour	
3.1	3000	○	**9000A-3/W-ST**
3.1	3000	◐	**9000A-3/B-ST**
3.1	3000	◯	**9000A-3/G-ST**

EUROSTANDARD PLUS

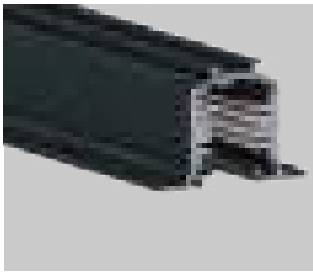


Recessed
L. 1000mm

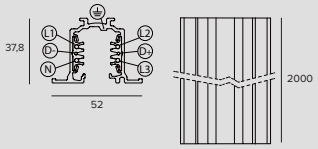


RECESSED

Kg	L	Colour	
1.1	1000	○	**9000-1/W-R**
1.1	1000	◐	**9000-1/B-R**
1.1	1000	●	**9000-1/G-R**

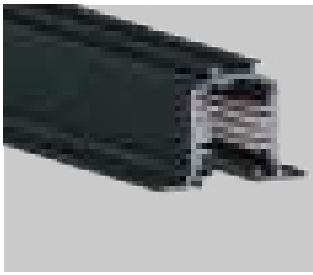


Recessed
L. 2000mm

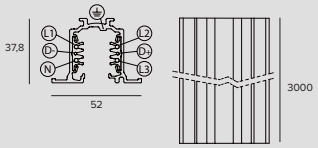


RECESSED

Kg	L	Colour	
2.2	2000	○	**9000-2/W-R**
2.2	2000	◐	**9000-2/B-R**
2.2	2000	●	**9000-2/G-R**



Recessed
L. 3000mm



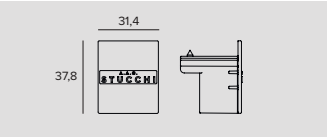
RECESSED

Kg	L	Colour	
3.4	3000	○	**9000-3/W-R**
3.4	3000	◐	**9000-3/B-R**
3.4	3000	●	**9000-3/G-R**

EUROSTANDARD PLUS

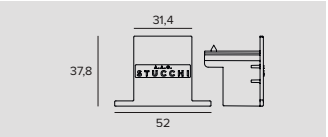
Related codes

End Caps



Colour	Code
○	**9004/W**
◐	**9004/B**
◌	**9004/G**

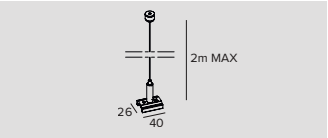
Dead end - Standard.



Colour	Code
○	**9004-R/W**
●	**9004-R/B**
◌	**9004-R/G**

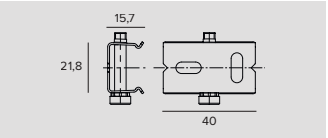
Dead end - Recessed.

Mounting System



Code
S-9000KIT

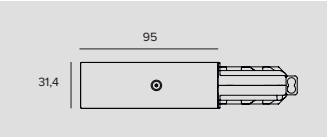
Suspension kit.
L=2000mm



Code
S-9000/111

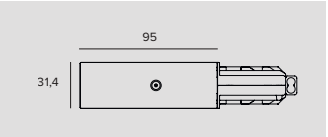
Ceiling mounting bracket.
Galvanized steel.

Power Supply



Colour	Code
○	**9001/W**
◐	**9001/B**
◌	**9001/G**

Lateral power supply.
Polarity on the right.



Colour	Code
○	**9002/W**
●	**9002/B**
◌	**9002/G**

Lateral power supply.
Polarity on the left.

Colour	Code
○	**9010/W**
◐	**9010/B**
◌	**9010/G**

Central power supply.

EUROSTANDARD PLUS

Accessories

End Caps

Colour	Code
○	**S-9001/115-W**
●	**S-9001/115-B**

Seal for lateral power supply.
PVC.
For: 9001/...; 9002/...

Bracket

Colour	Code
◐	**S-9000/123**

Rigid support bracket.

Driver	Colour	Code
EL.	○	**1T9607**
EL.	◐	**1T9608**
EL.	●	**1T9609**
DALI	○	**1T9610**
DALI	◐	**1T9611**
DALI	●	**1T9612**

Straight coupler for stability. For projectors with Eurostandard Plus joints.
For wall installation please refer to the assembly instructions.

Tool

Code
S-9000/T

Tool for shearing conductors, to be used if necessary to cut the track during installation.

Electrical Connector

Colour	Code
○	**9003/W**
●	**9003/B**
◐	**9003/G**

Linear joint.

Colour	Code
○	**9018/W**
●	**9018/B**
◐	**9018/G**

Flexible joint.

EUROSTANDARD PLUS

Colour	Code
○	**9011/W**
◐	**9011/B**
◐	**9011/G**

L joint.
Internal polarity.

Colour	Code
○	**9012/W**
●	**9012/B**
◐	**9012/G**

L joint.
External polarity.

Colour	Code
○	**9013/W**
◐	**9013/B**
◐	**9013/G**

T joint.
External polarity and on the left.

Colour	Code
○	**9014/W**
●	**9014/B**
◐	**9014/G**

T joint.
External polarity and on the right.

Colour	Code
○	**9015/W**
◐	**9015/B**
◐	**9015/G**

T joint.
Internal polarity and on the left.

Colour	Code
○	**9016/W**
●	**9016/B**
◐	**9016/G**

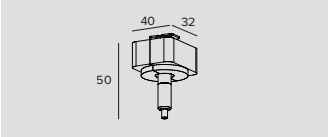
T joint.
Internal polarity and on the right.

Colour	Code
○	**9017/W**
◐	**9017/B**
◐	**9017/G**

X joint.

EUROSTANDARD PLUS

Mounting System



Colour	Code
○	S-9000/M-W-KIT
●	S-9000/M-B-KIT
◍	S-9000/M-G-KIT

Adapter for suspension installation.

Adapter

Colour	Code
○	**9009/W**
●	**9009/B**
◍	**9009/G**

Adapter for power supply.
Allows for power supply from a Eurostandard Plus track.
EL/DALI.

Cover Panel

Colour	Code
○	S-9001-R/6-W
●	S-9001-R/6-B
◍	S-9001-R/6-G

False ceiling cover for lateral power supply.
Polycarbonate body.
For: 9001/...; 9002/...

Colour	Code
○	S-9010-R/6-W
●	S-9010-R/6-B
◍	S-9010-R/6-G

False ceiling cover for central power supply.
Polycarbonate body.
For: 9010/...

Colour	Code
○	S-9011-R/6-W
●	S-9011-R/6-B
◍	S-9011-R/6-G

False ceiling cover for L connector.
Polycarbonate body.
For: 9011/...; 9012/...

Colour	Code
○	S-9013-R/6-W
●	S-9013-R/6-B
◍	S-9013-R/6-G

False ceiling cover for T connector.
Polycarbonate body.
For: 9013/...; 9014/...; 9015/...; 9016/...

Colour	Code
○	S-9017-R/6-W
●	S-9017-R/6-B
◍	S-9017-R/6-G

False ceiling cover for X connector.
Polycarbonate body.
For: 9017.

L	Colour	Code
1000	○	S-9000/GP-W
1000	●	S-9000/GP-B
1000	◍	S-9000/GP-G

Cover profile.
Can be cut to size.

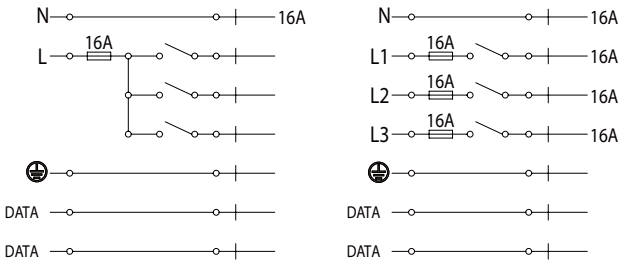
Motorvillage
Lisboa, Portugal

Architect Juan José Aristegui
Photographer Cristina Motilla

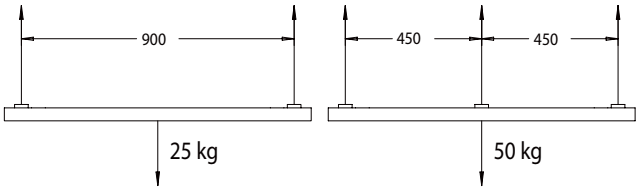
EUROSTANDARD PLUS

Electrical scheme

During the wiring the electrical scheme of picture must be followed.

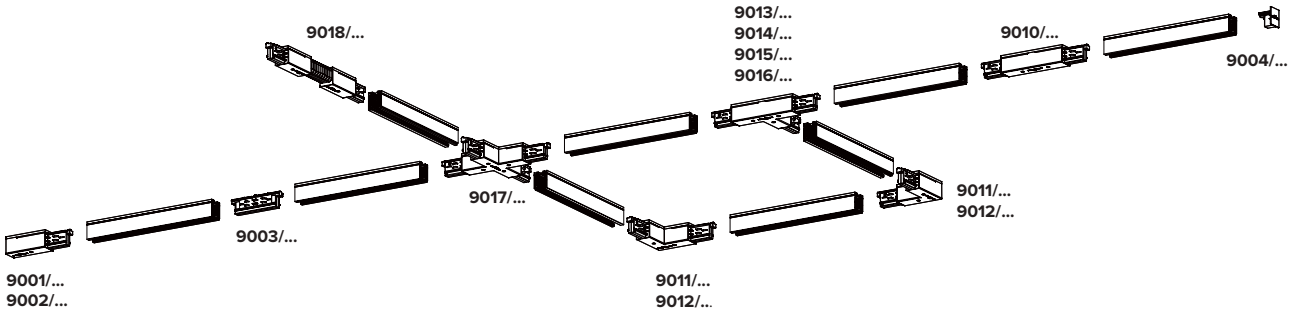


Load scheme



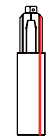
Installation

There is a polarity on the lighting track to guarantee the right connection of the multiple pieces of the track. Also end-feeds and connection joints have a polarity that must be taken into account in order to choose the right component. In the catalogue sketches of this articles, the position of the polarity is highlighted with a red line.

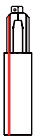


EUROSTANDARD PLUS

Lateral power supplies



9001/...

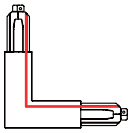


9002/...

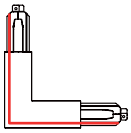
Central power supplies

9010/...

“L” joint

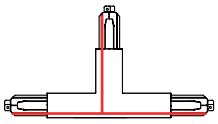


9011/...

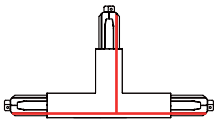


9012/...

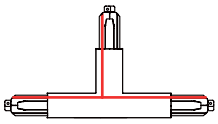
“T” joint



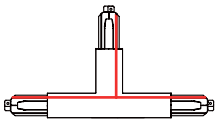
9013/...



9014/...

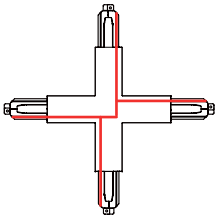


9015/...



9016/...

“X” joint



9017/...

JEDI

Compact IP40

GENERAL INFO
Adjustable linear LED projector.
41x37,5mm (exluded driver)
41x79mm (included driver)
Lengths 289mm – 570mm – 850mm – 1130mm

LED
Linear boards
From 1301lm to 6360lm
2700K – 3000K – 3500K – 4000K
Ra90

PRODUCT EFFICACY
Up to 100lm/W

OPTICS
SP, FL, Grazing,
Wall Washer

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).
In L 570/850/1130mm versions the driver box can be removed and placed in another position while remaining connected (cable 0.5m).

MATERIAL
Extruded anodised aluminium 15µ body.
1.8mm thick polycarbonate removable (to insert accessories) flat screen.
The body of the fixture is adjustable and can be installed away from the mounting surface using accessory brackets.

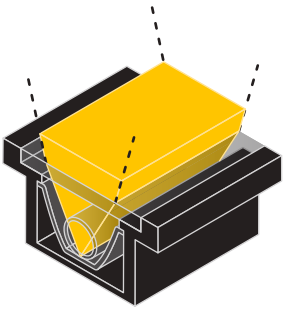
A compact, high performance linear LED fixture, suitable for installation in small grooves or on particularly thin frames. Depending on the optics chosen it is suitable for general lighting of walkways, vaulted ceilings or vertical surfaces. It is complete with a removable driver that can be positioned remotely if the installation space is small.
The L. 300mm version is only available with a remote driver.

If equipped with special brackets the projector can be adjusted up to +/-145°.

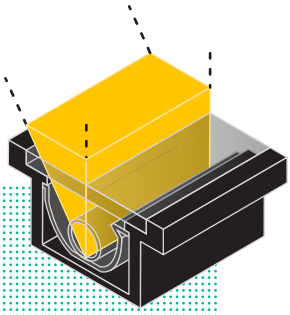
Also available in an IP67 outdoor version.

Sala Zuccari, Palazzo Giustiniani
Rome, Italy

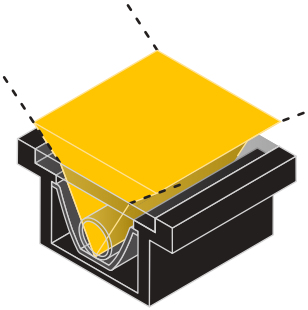
Plus



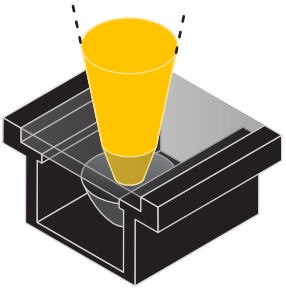
Grazing



Wall washer



Flood



Spot

Four different optical systems

The two different optical systems - hybrid and lenticular - make it possible to obtain four different lighting effects: grazing light thanks to the grazing optic, soft and uniform on high, wide surfaces with the wall washer optic and more concentrated effects with flood and spot optics. A special Louvre grill accessory makes it possible to equip the different versions of Jedi Compact IP40 with an anti-glare system with longitudinal blades to control lateral emission and reduce the risk of glare.

The Grazing optic versions

Is the most suitable solution for lighting vertical surfaces. Installed in continuous rows it makes it possible to obtain seamless uniform lighting.

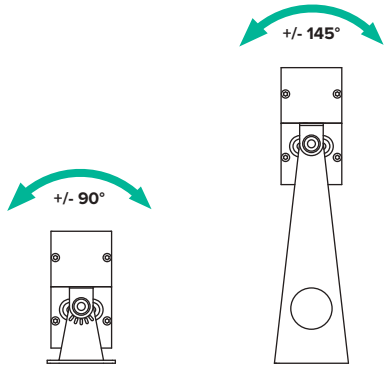
A **Wide rotation**

If equipped with special brackets the projector can be adjusted up to +/-145°.

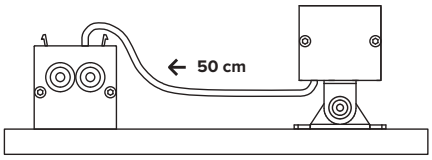
B **Installation freedom with the removable driver**

Removable driver of the 600, 900 and 1200mm versions can be hooked onto the fixture or placed next to it to better fit to thin frames or small grooves.

A



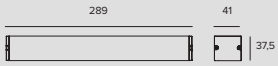
B



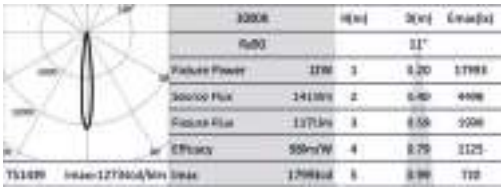
Removable driver box

JEDI COMPACT

IP40
Remote driver
L. 289mm



LED / 12W / SPOT

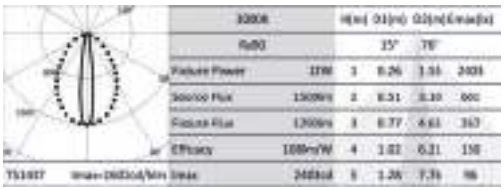


Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1T8920**	**1T8921**	**1T8922**	**1T8923**

LED / 12W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1T6747**	**1T6748**	**1T6749**	**1T6750**

LED / 12W / GRAZING



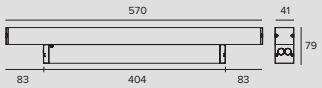
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1T6751**	**1T6752**	**1T6753**	**1T6754**

LED / 12W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1T6755**	**1T6756**	**1T6757**	**1T6758**

JEDI COMPACT

IP40
Integrated-removable driver
L. 570mm



LED / 23W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T8924EL**	**1T8925EL**	**1T8926EL**	**1T8927EL**
DALI		**1T8924DA**	**1T8925DA**	**1T8926DA**	**1T8927DA**

LED / 24W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6759EL**	**1T6760EL**	**1T6761EL**	**1T6762EL**
DALI		**1T6759DA**	**1T6760DA**	**1T6761DA**	**1T6762DA**

LED / 24W / GRAZING

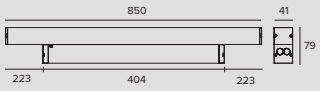
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6763EL**	**1T6764EL**	**1T6765EL**	**1T6766EL**
DALI		**1T6763DA**	**1T6764DA**	**1T6765DA**	**1T6766DA**

LED / 24W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6767EL**	**1T6768EL**	**1T6769EL**	**1T6770EL**
DALI		**1T6767DA**	**1T6768DA**	**1T6769DA**	**1T6770DA**

JEDI COMPACT

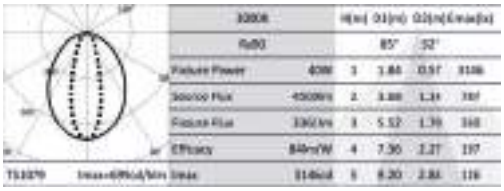
IP40
Integrated-removable driver
L. 850mm



LED / 35W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T8928EL**	**1T8929EL**	**1T8930EL**	**1T8931EL**
DALI		**1T8928DA**	**1T8929DA**	**1T8930DA**	**1T8931DA**

LED / 36W / FLOOD



Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6771EL**	**1T6772EL**	**1T6773EL**	**1T6774EL**
DALI		**1T6771DA**	**1T6772DA**	**1T6773DA**	**1T6774DA**

LED / 36W / GRAZING

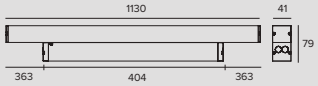
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6775EL**	**1T6776EL**	**1T6777EL**	**1T6778EL**
DALI		**1T6775DA**	**1T6776DA**	**1T6777DA**	**1T6778DA**

LED / 36W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6779EL**	**1T6780EL**	**1T6781EL**	**1T6782EL**
DALI		**1T6779DA**	**1T6780DA**	**1T6781DA**	**1T6782DA**

JEDI COMPACT

IP40
Integrated-removable driver
L. 1130mm



LED / 46W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T8932EL**	**1T8933EL**	**1T8934EL**	**1T8935EL**
DALI		**1T8932DA**	**1T8933DA**	**1T8934DA**	**1T8935DA**

LED / 48W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6783EL**	**1T6784EL**	**1T6785EL**	**1T6786EL**
DALI		**1T6783DA**	**1T6784DA**	**1T6785DA**	**1T6786DA**

LED / 48W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6787EL**	**1T6788EL**	**1T6789EL**	**1T6790EL**
DALI		**1T6787DA**	**1T6788DA**	**1T6789DA**	**1T6790DA**

LED / 48W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T6791EL**	**1T6792EL**	**1T6793EL**	**1T6794EL**
DALI		**1T6791DA**	**1T6792DA**	**1T6793DA**	**1T6794DA**

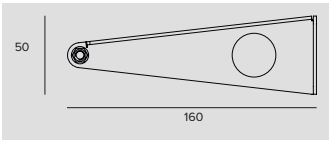
Note

Remote driver version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

JEDI COMPACT

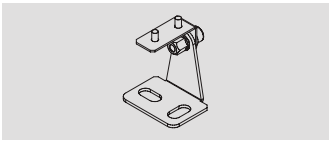
Related codes

Bracket



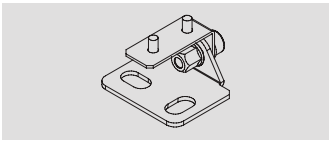
Code
1T6940

Long bracket kit for surface installation (2 pieces).
Rotation +/-145°.



H	Code
52	**1T6800**

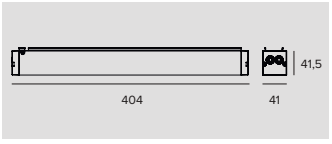
Medium bracket kit for surface installation (2 pieces).
Integrated driver version.
Rotation +/-90°.



H	Code
24	**1T6799**

Short bracket kit for surface installation (2 pieces).
Remote driver version.
Rotation +/-50°.

Power Supply

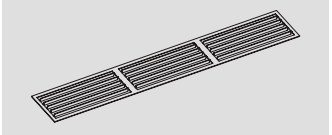


L	H	P	Output current	Driver	Code
404	47	41	500mA	EL.	**1T6797EL**
404	47	41	500mA	EL.	**1T6798EL**
404	47	41	500mA	DALI	**1T6797DA**
404	47	41	500mA	DALI	**1T6798DA**

Driver box.
L. 289mm version.
1T6797EL - n° 1 JEDI COMPACT
1T6798EL - n° 2-4 JEDI COMPACT
1T6797DA - n° 1 JEDI COMPACT
1T6798DA - n° 2-4 JEDI COMPACT

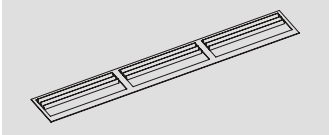
Accessories

Grid



L	Code
278	**1T6795**

Symmetrical anti-glare grill.
Installation inside the product.
For Spot, Flood and Grazing versions.
To be ordered in the following quantities for every fixture length: 1 for the 289mm version, 2 for the 570mm version, 3 for the 850mm version and 4 for the 1130mm version.

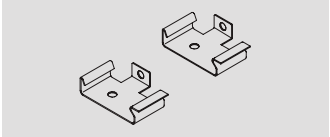


L	Code
278	**1T6796**

Asymmetrical anti-glare grill.
Installation inside the product.
For Wall Washer versions.
To be ordered in the following quantities for every fixture length: 1 for the 289mm version, 2 for the 570mm version, 3 for the 850mm version and 4 for the 1130mm version.

JEDI COMPACT

Bracket



	Code
	1T6806

Bracket kit for surface installation of the driver box (2 pieces).
Snap brackets.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

VOLTA

GENERAL INFO
Professional adjustable LED projector for wall or cornice installation.
184mmx86,5mm

LED
Elliptical and asymmetrical optic:
LED Chip on board
NSP optic: LED Emitter
From 650lm to 4373lm
3000K
Ra80

PRODUCT EFFICACY
Up to 105lm/W

OPTICS
NSP – ASYM – ELLIPTICAL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only with DALI driver).

MATERIAL
Body in extruded anodized aluminium, optic unit and terminal in die cast powder coated aluminium. Ultra flat protection screen in tempered glass. Bracket in stainless steel predisposed for surface installation.

ON DEMAND

Easy Custom Colour

110-277Vac
power supply

Professional adjustable LED projector for wall or cornice installation, particularly suitable for lighting historical buildings of great artistic value.

It can be installed on cornices for lighting vaulted ceilings or pedestrian areas.
Available in various colour variants that have been carefully studied to insert the fixture into historical architectural contexts.

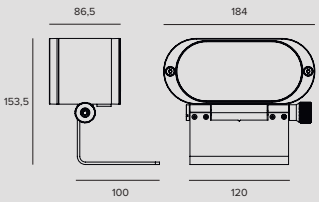
All versions can be installed indoor as well as outdoor (IP66).

To be completed with an electronic or DALI remote power supply.

Loggia del Pesce
Firenze, Italia

Photographer Ivan Rossi

VOLTA



LED / 8W / NSP

Power supply	Colour	3000K
900mA		**1T4632**
900mA		**1T4633**
900mA		**1E2565**
900mA		**1E2566**

LED / 21/33W / ASYM

Power supply	Colour	3000K
600/900mA		**1T4634**
600/900mA		**1T4635**
600/900mA		**1E2567**
600/900mA		**1E2568**

LED / 21/33W / ELLIPTICAL

Power supply	Colour	3000K
600/900mA		**1T4636**
600/900mA		**1T4637**
600/900mA		**1E2569**
600/900mA		**1E2570**

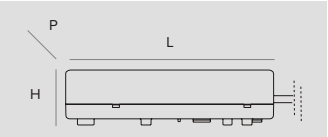
Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

VOLTA

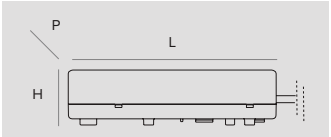
Related codes

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
160x35x83	32W	110-240Vac	600mA	IP20	**1T3625**
106x26x53	max 43W	220-240Vac	600mA	IP68	**1E2571**
160x35x83	max 50W	220-240Vac	900mA	IP20	**1T2966**
127x31x80	max 50W	220-240Vac	900mA	IP68	**1E2573**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output current	IP	Code
160x35x83	32W	110-240Vac	600mA	IP20	**1T3627**
106x26x53	max 43W	220-240Vac	600mA	IP68	**1E2572**
160x35x83	max 50W	110-240Vac	900mA	IP20	**1T2968**
150x40x148	max 50W	220-240Vac	900mA	IP68	**1E2574**

DALI power supply.

Accessories

Filter

Colour	Code
	1T4638
	1T4639
	1E2575
	1E2576

Blade of light filter.
PMMA holographic filter for a blade of light effect, CNC machine anodised and powder coated aluminium frame.
To be used with NSP optics.

Colour	Code
	1T4640
	1T4641
	1E2577
	1E2578

Anti-glare.
PMMA holographic filter to reduce the beam angle, CNC machine anodised and powder coated aluminium frame.
To be used with NSP, ASYM and ELLIPTICAL optics.

Screen

Colour	Code
	1T4642
	1T4643
	1E2579
	1E2580

Asymmetric screen.
Powder coated stainless steel.
To be used with NSP, EFFECT and ELLIPTICAL optics.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

Palazzo Merendoni
Bologna, Italy

Photographer Ivan Rossi

CORO

GENERAL INFO
Professional adjustable LED projector for wall or cornice installation.
Optic adjustability: +/-165° horizontally and +/-180° vertically with aiming blocking system.
Ø82mm – Ø119mm

LED
Chip on board
From 200lm to 7217lm
3000K-4000K
Ra80 – Ra97

PRODUCT EFFICACY
Up to 132lm/W

OPTICS
NSP (only Small version) –
SP – FL
MWFL – WFL
DBS - Digital beam opening control (Coro Large)

POWER SUPPLY
Electronic – DALI - Casambi on board

MATERIAL
Coro Large: die-cast aluminium body and powder coated aluminium front ring and joints.
Coro Small: powder coated die-cast aluminium body, front ring and joints.

ON DEMAND
Easy Custom Colour

A range of cornice, capital and shelf projectors particularly suitable for installation in prestigious architectural environments where it is necessary to light the space without interfering with the architecture in any way.

Available in two different sizes - Large and Small - each with two different length arms and three different fixing systems that increase installation flexibility.

There is also a DBS - Dynamic Beam Shaper- version - for the Coro Large version only.

		CORO Large	CORO Small
		Ø 119mm	Ø 82mm
LED	Flux (lm)	2579-7217	200-2509
	Power	25W-47.6W	2.7W-18W
OPTICS			
NSP	Lens		•
SP	Lens		•
	Hybrid	•	
	Reflector	•	
FL	Lens		•
	Hybrid	•	
	Reflector	•	
MWFL	Reflector	•	•
WFL	Reflector		•
DBS	Variable	•	

Cattedrale di Santa Maria Assunta
Volterra, Pisa - Italy

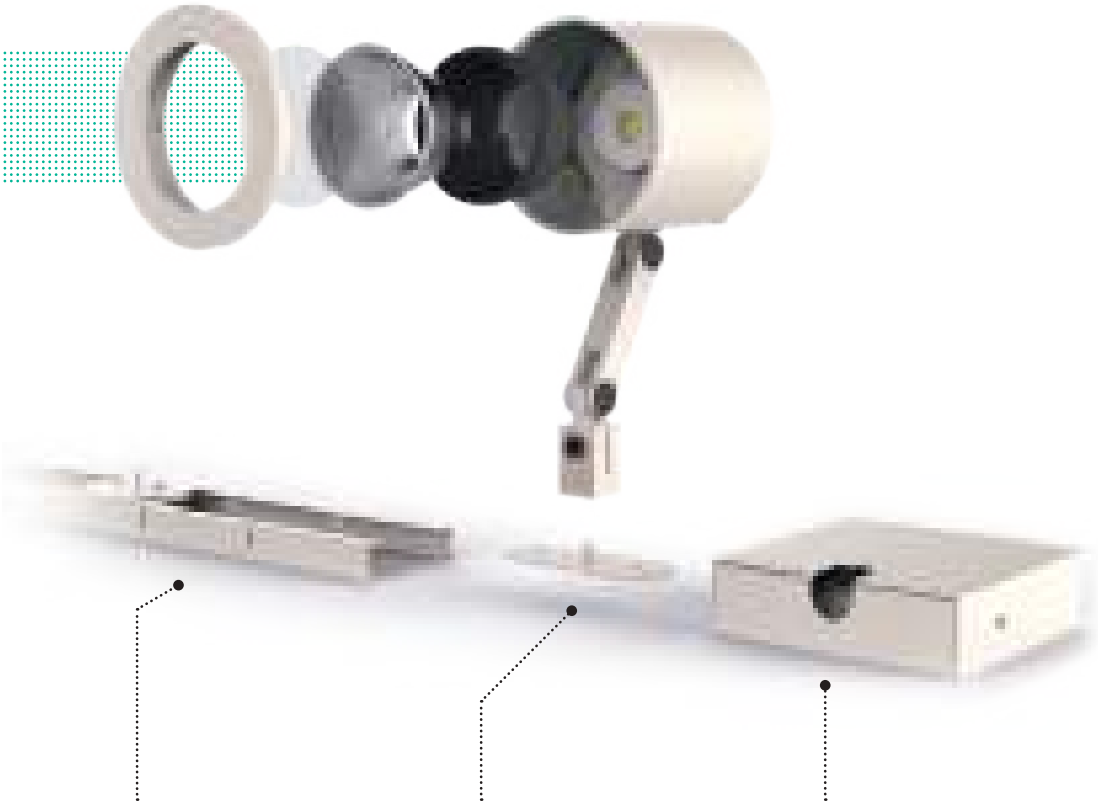
Architect Giorgio Bascià

Lighting Design Arch. Massimo Iarussi

Plus

A **Coro available in two different sizes**
and two different finishes: sandstone grey and Florentine white, two colours that integrate perfectly in historical contexts.

B **The flexibility of the fixture is best represented by its fixing system.**
Three different solutions for as many types of installation.



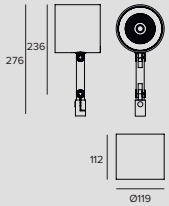
Mounting rail for surfaces up to 900mm long. Great installation flexibility using a few fixing elements, the projectors can be fixed to any point on the rail which can also house all the electrical conduits of the system (remote driver)

Base for surface mounting (remote driver)

Base for surface mounting with integrated driver. Also available in a Casambi version to control fixtures using an App.

CORO

Large
Long arm



LED / 34W / HYBRID / SP / CRI80

Power supply	Colour	3000K
900mA		**1T4785**
900mA		**1T4787**

LED / 34W / HYBRID / SP / CRI97

Power supply	Colour	3000K
900mA		**1T5312**
900mA		**1T5314**

LED / 34W / HYBRID / FL / CRI80

Power supply	Colour	3000K
900mA		**1T4786**
900mA		**1T4788**

LED / 34W / HYBRID / FL / CRI97

Power supply	Colour	3000K
900mA		**1T5313**
900mA		**1T5315**

LED / 25W / REFLECTOR / SP / CRI80

Power supply	Colour	3000K
700mA		**1T4560**
700mA		**1T4564**

CORO

LED / 25W / REFLECTOR / SP / CRI97

Power supply	Colour	3000K
700mA		**1T5302**
700mA		**1T5306**

LED / 25W / REFLECTOR / FL / CRI80

Power supply	Colour	3000K
700mA		**1T4561**
700mA		**1T4565**

LED / 25W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
700mA		**1T5303**
700mA		**1T5307**

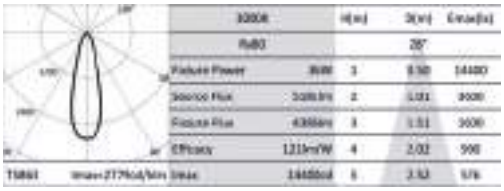
LED / 36W / REFLECTOR / SP / CRI80

Power supply	Colour	3000K
1050mA		**1T4569**
1050mA		**1T4575**

LED / 36W / REFLECTOR / SP / CRI97

Power supply	Colour	3000K
1050mA		**1T4581**
1050mA		**1T4587**

LED / 36W / REFLECTOR / FL / CRI80



Power supply	Colour	3000K
1050mA		**1T4570**
1050mA		**1T4576**

CORO

LED / 36W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
1050mA		**1T4582**
1050mA		**1T4588**

LED / 36W / REFLECTOR / MWFL / CRI80

Power supply	Colour	3000K
1050mA		**1T4571**
1050mA		**1T4577**

LED / 36W / REFLECTOR / MWFL / CRI97

Power supply	Colour	3000K
1050mA		**1T4583**
1050mA		**1T4589**

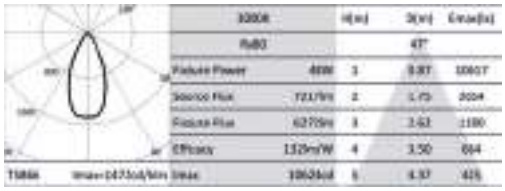
LED / 48W / REFLECTOR / FL / CRI80

Power supply	Colour	3000K
1400mA		**1T4592**
1400mA		**1T4596**

LED / 48W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
1400mA		**1T4600**
1400mA		**1T4604**

LED / 48W / REFLECTOR / MWFL / CRI80



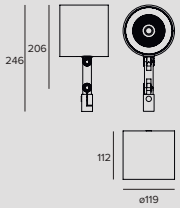
Power supply	Colour	3000K
1400mA		**1T4593**
1400mA		**1T4597**

CORO

LED / 48W / REFLECTOR / MWFL / CRI97

Power supply	Colour	3000K
1400mA		**1T4601**
1400mA		**1T4605**

Large
Short arm



LED / 34W / HYBRID / SP / CRI80

Power supply	Colour	3000K
900mA		**1T4781**
900mA		**1T4783**

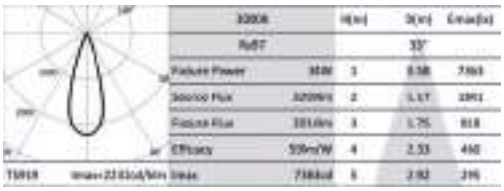
LED / 34W / HYBRID / SP / CRI97

Power supply	Colour	3000K
900mA		**1T5308**
900mA		**1T5310**

LED / 34W / HYBRID / FL / CRI80

Power supply	Colour	3000K
900mA		**1T4782**
900mA		**1T4784**

LED / 34W / HYBRID / FL / CRI97



Power supply	Colour	3000K
900mA		**1T5309**
900mA		**1T5311**

CORO

LED / 25W / REFLECTOR / SP / CRI80

Power supply	Colour	3000K
700mA		**1T4558**
700mA		**1T4562**

LED / 25W / REFLECTOR / SP / CRI97

Power supply	Colour	3000K
700mA		**1T5300**
700mA		**1T5304**

LED / 25W / REFLECTOR / FL / CRI80

Power supply	Colour	3000K
700mA		**1T4559**
700mA		**1T4563**

LED / 25W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
700mA		**1T5301**
700mA		**1T5305**

LED / 36W / REFLECTOR / SP / CRI80

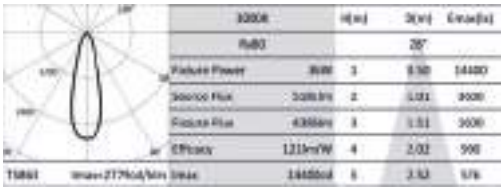
Power supply	Colour	3000K
1050mA		**1T4566**
1050mA		**1T4572**

LED / 36W / REFLECTOR / SP / CRI97

Power supply	Colour	3000K
1050mA		**1T4578**
1050mA		**1T4584**

CORO

LED / 36W / REFLECTOR / FL / CRI80

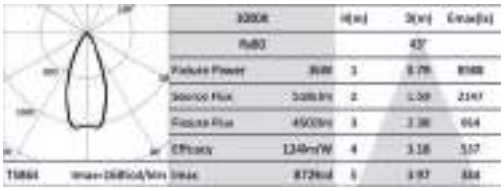


Power supply	Colour	3000K
1050mA		**1T4567**
1050mA		**1T4573**

LED / 36W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
1050mA		**1T4579**
1050mA		**1T4585**

LED / 36W / REFLECTOR / MWFL / CRI80



Power supply	Colour	3000K
1050mA		**1T4568**
1050mA		**1T4574**

LED / 36W / REFLECTOR / MWFL / CRI97

Power supply	Colour	3000K
1050mA		**1T4580**
1050mA		**1T4586**

LED / 48W / REFLECTOR / FL / CRI80

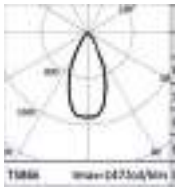
Power supply	Colour	3000K
1400mA		**1T4590**
1400mA		**1T4594**

LED / 48W / REFLECTOR / FL / CRI97

Power supply	Colour	3000K
1400mA		**1T4598**
1400mA		**1T4602**

CORO

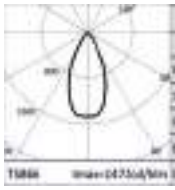
LED / 48W / REFLECTOR / MWFL / CRI80



3000K					
Ra80				47°	
Fixture Power	48W	1		0.87	10617
Source Flux	7217lm	2		1.75	2024
Fixture Flux	6270lm	3		2.63	1180
Efficacy	132lm/W	4		3.50	664
T5866	Imax=1473cd/klm	Imax	10626cd	5	4.37	415

	Power supply	Colour	3000K
	1400mA		**1T4591**
	1400mA		**1T4595**

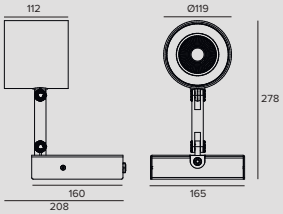
LED / 48W / REFLECTOR / MWFL / CRI97



3000K					
Ra97				47°	
Fixture Power	48W	1		0.87	8099
Source Flux	5505lm	2		1.75	2025
Fixture Flux	4788lm	3		2.63	900
Efficacy	101lm/W	4		3.50	508
T5866	Imax=1473cd/klm	Imax	8158cd	5	4.37	328

	Power supply	Colour	3000K
	1400mA		**1T4599**
	1400mA		**1T4603**

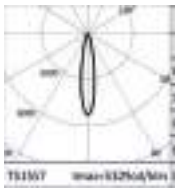
Large
Long arm DBS



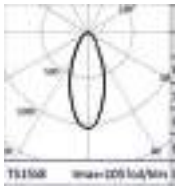
LED / 25W / DBS / CRI80

3000K					
Ra80				14°	
Fixture Power	27W	1		0.24	83360
Source Flux	3383lm	2		0.48	8267
Fixture Flux	1689lm	3		0.72	3674
Efficacy	100lm/W	4		0.96	2067
T5566	Imax=8783cd/klm	Imax	83808cd	5	1.19	1103

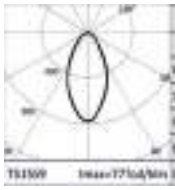
	Driver	Colour	3000K
	CASAMBI		**1T9977CA**
	CASAMBI		**1T9978CA**



3000K					
Ra80				10°	
Fixture Power	27W	1		0.32	18709
Source Flux	3383lm	2		0.63	4304
Fixture Flux	1651lm	3		0.95	2003
Efficacy	99lm/W	4		1.26	1126
T5567	Imax=8329cd/klm	Imax	18026cd	5	1.58	721



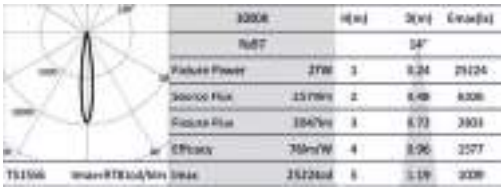
3000K					
Ra80				41°	
Fixture Power	27W	1		0.75	8575
Source Flux	3383lm	2		1.50	894
Fixture Flux	1536lm	3		2.25	397
Efficacy	94lm/W	4		3.00	213
T5568	Imax=1051cd/klm	Imax	8575cd	5	3.75	133

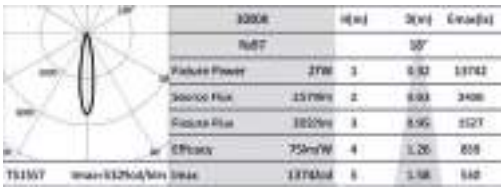


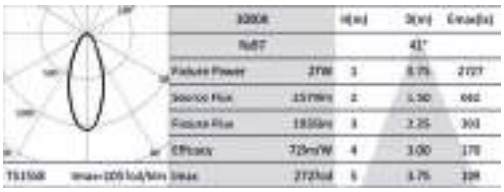
3000K					
Ra80				51°	
Fixture Power	27W	1		0.96	3627
Source Flux	3383lm	2		1.92	667
Fixture Flux	1515lm	3		2.88	240
Efficacy	55lm/W	4		3.84	114
T5569	Imax=771cd/klm	Imax	3627cd	5	4.80	106

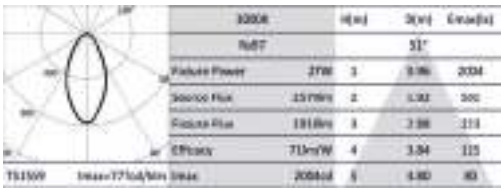
CORO

LED / 25W / DBS / CRI97









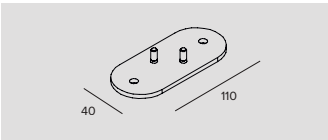
	Driver	Colour	3000K
	CASAMBI		**1T9979CA**
	CASAMBI		**1T9980CA**

Note

Remote driver version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

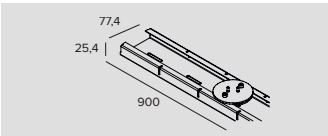
Related codes

Mounting System



	Colour	Code
		1T4606
		1T4607

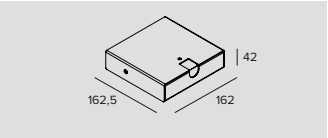
White surface mounting base.



	Colour	Code
		1T4628
		1T4629

Surface mounting channel 900mm.
The channel can be cut to length at intervals of 10cm.
With three mounting bases for Coro “Small” and “Big”.

CORO



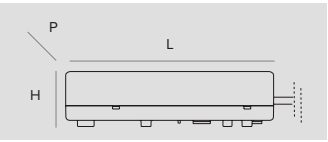
Power supply	Output current	Driver	Colour	Code
220-240Vac	700mA	EL.		**1T4612**
220-240Vac	700mA	DALI		**1T4613**
220-240Vac	700mA	DALI (CASAMBI)		**1T4613CA**
220-240Vac	900mA	EL.		**1T4614**
220-240Vac	900mA	DALI		**1T4615**
220-240Vac	900mA	DALI (CASAMBI)		**1T4615CA**
220-240Vac	1050mA max 60W	EL.		**1T4616**
220-240Vac	1050mA max 60W	DALI		**1T4617**
220-240Vac	1050mA max 60W	DALI (CASAMBI)		**1T4617CA**
220-240Vac	1400mA max 60W	EL.		**1T9512EL**
220-240Vac	1400mA max 60W	DALI		**1T9512DA**
220-240Vac	1400mA max 60W	DALI (CASAMBI)		**1T9512CA**

Surface mounting base with integrated driver.

Power supply	Output current	Driver	Colour	Code
220-240Vac	700mA	EL.		**1T4622**
220-240Vac	700mA	DALI		**1T4623**
220-240Vac	700mA	DALI (CASAMBI)		**1T4623CA**
220-240Vac	900mA	EL.		**1T4624**
220-240Vac	900mA	DALI		**1T4625**
220-240Vac	900mA	DALI (CASAMBI)		**1T4625CA**
220-240Vac	1050mA max 60W	EL.		**1T4626**
220-240Vac	1050mA max 60W	DALI		**1T4627**
220-240Vac	1050mA max 60W	DALI (CASAMBI)		**1T4627CA**
220-240Vac	1400mA max 60W	EL.		**1T9514EL**
220-240Vac	1400mA max 60W	DALI		**1T9514DA**
220-240Vac	1400mA max 60W	DALI (CASAMBI)		**1T9514CA**

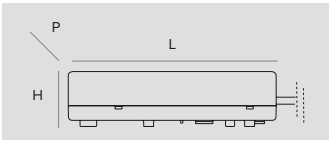
Surface mounting base with integrated driver.

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
160x35x83	29W	110-240Vac	700mA	IP20	**1T2963**
160x35x83	max 50W	220-240Vac	900mA	IP20	**1T2966**
160x35x83	max 42W	110-240Vac	1050mA	IP20	**1T3781**
130x30x43	60W	220-240Vac	1400mA	IP20	**1T9513EL**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output current	IP	Code
160x35x83	29W	110-240Vac	700mA	IP20	**1T2965**
160x35x83	max 50W	110-240Vac	900mA	IP20	**1T2968**
160x35x83	max 42W	110-240Vac	1050mA	IP20	**1T3783**
129x30x76	60W	220-240Vac	1400mA	IP20	**1T9513DA**

DALI power supply.

Accessories

Filter

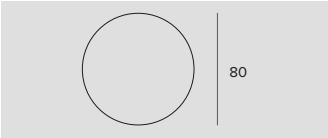
Ø	Code
80	**1T3141**

Flat glass, grooved refractive blade light filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
Cannot be used with version from 48/W.

Ø	Code
80	**1T3140**

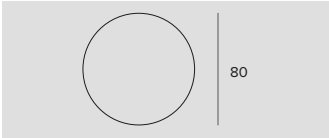
Flat glass micro prismatic refractive diffusive filter.
This softens the luminous effect.
Cannot be used with version from 48/W.

CORO



Filter	Ø	Code
Halogen +	80	**1T6382**
Vivid +	80	**1T6384**

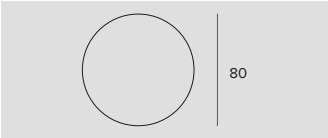
Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
Cannot be used with version from 48/W.



Filter	Ø	Code
Beauty	80	**1T6394**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.
Cannot be used with version from 48/W.

Grid



Ø	Code
80	**1T3423**

Anti-glare louver.
Black painted metal honeycomb structure.
Cannot be used with version from 48/W.

Zoom

Ø	Code
80	**1T3432**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It makes it possible to obtain a variable beam from 15° to 60°.
It can not be used with NSP and hybrid optics; no for DBS version.
Cannot be used with version from 48/W.

Cut-off

Ø	Code
80	**1T3142**

Cut-off Tube.
Allows for the beam to be focused while removing the fall-off component.
No for DBS version.
Cannot be used with version from 48/W.

Screen

Ø	Code
80	**1T3143**

Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.
Cannot be used with version from 48/W.

CORO

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

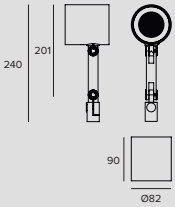
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CORO

Small
Long arm



LED / 2,7W / LENS / NSP / CRI80

	Power supply	Colour	3000K
	900mA		**1T4724**
	900mA		**1T4728**

LED / 13W / LENS / SP / CRI80

	Power supply	Colour	3000K
	350mA		**1T4528**
	350mA		**1T4532**

LED / 12W / LENS / FL / CRI80

	Power supply	Colour	3000K
	350mA		**1T4529**
	350mA		**1T4533**

LED / 18W / LENS / SP / CRI80

	Power supply	Colour	3000K
	500mA		**1T4541**
	500mA		**1T4547**

LED / 18W / LENS / SP / CRI97

	Power supply	Colour	3000K
	500mA		**1T5298**
	500mA		**1T5299**

CORO

LED / 18W / REFLECTOR / MWFL / CRI80

Power supply	Colour	3000K
500mA		**1T4542**
500mA		**1T4548**

LED / 18W / REFLECTOR / MWFL / CRI97

Power supply	Colour	3000K
500mA		**1T4552**
500mA		**1T4556**

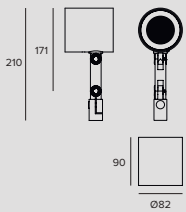
LED / 18W / REFLECTOR / WFL / CRI80

Power supply	Colour	3000K
500mA		**1T4543**
500mA		**1T4549**

LED / 18W / REFLECTOR / WFL / CRI97

Power supply	Colour	3000K
500mA		**1T4553**
500mA		**1T4557**

Small
Short arm



LED / 2,7W / LENS / NSP / CRI80

Power supply	Colour	3000K
900mA		**1T4722**
900mA		**1T4726**

CORO

LED / 13W / LENS / SP / CRI80

Power supply	Colour	3000K
350mA		**1T4526**
350mA		**1T4530**

LED / 12W / LENS / FL / CRI80

Power supply	Colour	3000K
350mA		**1T4527**
350mA		**1T4531**

LED / 18W / LENS / SP / CRI80

Power supply	Colour	3000K
500mA		**1T4538**
500mA		**1T4544**

LED / 18W / LENS / SP / CRI97

Power supply	Colour	3000K
500mA		**1T5296**
500mA		**1T5297**

LED / 18W / REFLECTOR / MWFL / CRI80

Power supply	Colour	3000K
500mA		**1T4539**
500mA		**1T4545**

LED / 18W / REFLECTOR / MWFL / CRI97

Power supply	Colour	3000K
500mA		**1T4550**
500mA		**1T4554**

CORO

LED / 18W / REFLECTOR / WFL / CRI80

Power supply	Colour	3000K
500mA		**1T4540**
500mA		**1T4546**

LED / 18W / REFLECTOR / WFL / CRI97

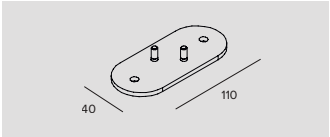
Power supply	Colour	3000K
500mA		**1T4551**
500mA		**1T4555**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

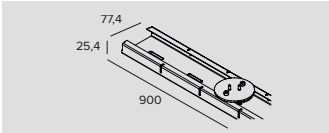
Related codes

Mounting System



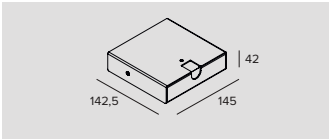
Colour	Code
	1T4606
	1T4607

White surface mounting base.



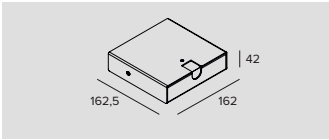
Colour	Code
	1T4628
	1T4629

Surface mounting channel 900mm.
The channel can be cut to length at intervals of 10cm.
With three mounting bases for Coro “Small” and “Big”.



Power supply	Output current	Driver	Colour	Code
220-240Vac	350mA	EL.		**1T4608**
220-240Vac	350mA	EL.		**1T4618**
220-240Vac	350mA	DALI		**1T4609**
220-240Vac	350mA	DALI		**1T4619**
220-240Vac	500mA	EL.		**1T4610**
220-240Vac	500mA	EL.		**1T4620**
220-240Vac	500mA	DALI		**1T4611**
220-240Vac	500mA	DALI		**1T4621**

Surface mounting base with integrated driver.

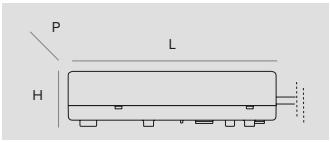


Power supply	Output current	Driver	Colour	Code
220-240Vac	900mA	EL.		**1T4614**
220-240Vac	900mA	DALI		**1T4615**
220-240Vac	900mA	DALI (CASAMBI)		**1T4615CA**
220-240Vac	900mA	EL.		**1T4624**
220-240Vac	900mA	DALI		**1T4625**
220-240Vac	900mA	DALI (CASAMBI)		**1T4625CA**
220-240Vac	350mA	DALI (CASAMBI)		**1T4609CA**
220-240Vac	350mA	DALI (CASAMBI)		**1T4619CA**
220-240Vac	500mA	DALI (CASAMBI)		**1T4611CA**
220-240Vac	500mA	DALI (CASAMBI)		**1T4621CA**

Surface mounting base with integrated driver.

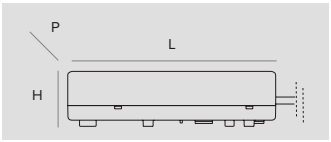
CORO

Power Supply



Dimensions LxHxP	W	Power supply	Output current	IP	Code
119x22x52	15W	220-240Vac	350mA	IP20	**1T1757**
130x30x42	max 22W	220-240Vac	500mA	IP20	**1T3966**
160x35x83	max 50W	220-240Vac	900mA	IP20	**1T2966**

Electronic power supply.

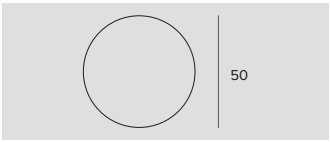


Dimensions LxHxP	W	Power supply	Output current	IP	Code
119x22x52	max 15W	110-240Vac	350mA	IP20	**1T4630**
119x22x52	20/15W	220-240Vac/110-120Vac	500mA	IP20	**1T4631**
160x35x83	max 50W	110-240Vac	900mA	IP20	**1T2968**

DALI power supply.

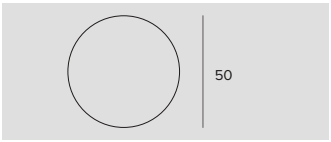
Accessories

Filter



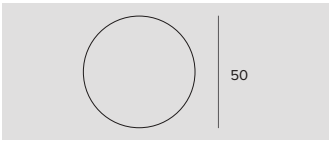
Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.



Filter	Ø	Code
Halogen +	50	**1T6381**
Vivid +	50	**1T6383**

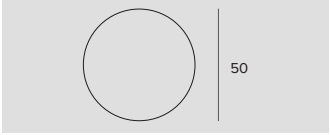
Art filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.



Filter	Ø	Code
Beauty	50	**1T6393**

Beauty filter.
Flat glass interference filter that can vary the colour parameters of the emission of the fixtures it is applied to.
To be used only with 3000K and Ra80 fixtures.

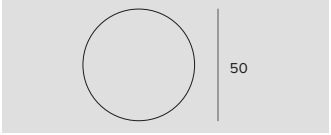
Screen



Ø	Code
50	**1T4325**

Black painted anodized diffusive aluminium asymmetric screen.
Complete with blade light filter.
Ideal for a Wall Washer effect.
To be combined with spot and flood optics.

Grid

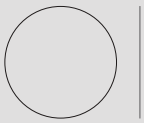


Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

CORO

Zoom



	Ø	Code
	50	**1T4324**

Zoom.
Optical system consists of an optical glass flat convex lens, an anodized aluminium specular reflector and a diffusive holographic filter.
To be used after removing the existing optic.
It can not be used with a narrow spot optic.
It makes it possible to obtain a variable beam from 15° to 60°.

Emergency Kit

	Code
	1T3144

Emergency kit.
Inverter + 3h battery pack.
LxHxP=165x25x46mm.
IP20.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

OTTO

GENERAL INFO
Pole mounted projector.
Adjustable spotlight body from 0°/-90° on the vertical plane and 0/+90°and 0/-90° on the horizontal plane.
Ø30mm

LED
LED Emitter
From 370lm to 397lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 30lm/W

OPTICS
ZOOM: from SP to FL

POWER SUPPLY
Remote electronic

MATERIAL
Painted or anodised aluminium body connected to a painted metal base.

ON DEMAND
110-277Vac power supply

A range of projectors with a minimal footprint with different installation types characterised by manual focus.

Availble with single or multi-optical configuration: 1x, 2x or 3x.

Also available in ceiling mounted versions with the following installations: semi-recessed, recessed extractable and ceiling mounted with a base.

Project 107
Moscow, Russia

Architect The Ply Architecture

Photographer Andrey Egorov

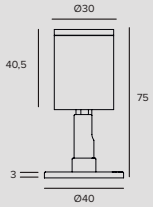
Plus

The pole version
Is suitable for lighting shop windows or showcases that require a controlled, modular and adjustable light.

Manual focus
It works exactly like a camera lens, rotating the optical unit extends it and the beam opening changes from 14° to 34°.

OTTO

Ceiling



LED / 3W / ZOOM / SP-FL

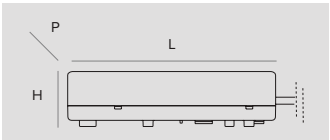
	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6331**	**1T6332**
	1050mA	●	**1T6343**	**1T6344**
	1050mA	◌	**1T6355**	**1T6356**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply

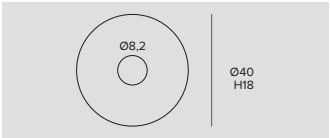


Dimensions LxHxP	W	Power supply	Output current	IP	Code
129x30x42	42W	220-240Vac	1050mA	IP20	**1T6524**

Electronic power supply.

Accessories

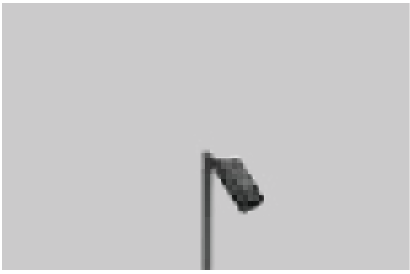
Canopy



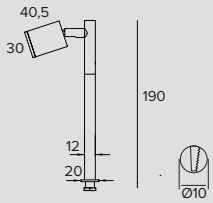
	Ø	H	Colour	Code
	40	18	○	**1T6528**
	40	18	●	**1T6529**
	40	18	◌	**1T6530**

Canopy for electrical connection.

OTTO



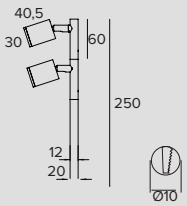
Multi-Optic 1x



LED / 1x3W / ZOOM / SP-FL

	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6325**	**1T6326**
	1050mA	◐	**1T6337**	**1T6338**
	1050mA	●	**1T6349**	**1T6350**

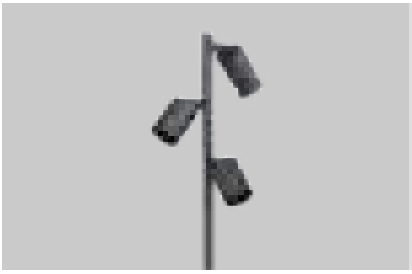
Multi-Optic 2x



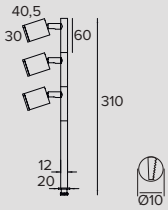
LED / 2x3W / ZOOM / SP-FL

	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6327**	**1T6328**
	1050mA	◐	**1T6339**	**1T6340**
	1050mA	●	**1T6351**	**1T6352**

OTTO



Multi-Optic 3x



LED / 3x3W / ZOOM / SP-FL

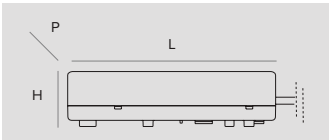
	Power supply	Colour	3000K	4000K
	1050mA	○	**1T6329**	**1T6330**
	1050mA	●	**1T6341**	**1T6342**
	1050mA	◍	**1T6353**	**1T6354**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply

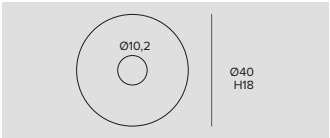


Dimensions LxHxP	W	Power supply	Output current	IP	Code
129x30x42	42W	220-240Vac	1050mA	IP20	**1T6524**

Electronic power supply.

Accessories

Base



	Ø	H	Colour	Code
	40	18	○	**1T6525**
	40	18	●	**1T6526**
	40	18	◍	**1T6527**

Base for electrical connection.

Systems

Indoor

New product
Line Extension
New Performances
New Accessory

48V Lighting Systems

336
OZ
Power Track

336
OZ
Single module
Small Fixed

336
OZ
Single module
Small Adjustable

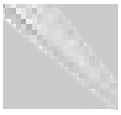
336
OZ
Single module
Large Fixed

336
OZ
Single module
Large Adjustable

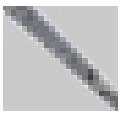
336
OZ
Multiple Module
Small 5x

336
OZ
Multiple Module
Large 3x

336
OZ
Module Linear



336
OZ
Recessed profile
for Power Track



336
OZ
Recessed profile
Small/Large

336
OZ
Ceiling/
Suspension Profile
Small/Large

376
FORTYEIGHT
H section
track Ceiling/
Suspension

376
FORTYEIGHT
Track Trimless
Recessed

376
FORTYEIGHT
Track Trimless
Deep Recessed

376
FORTYEIGHT
Logico 30

376
FORTYEIGHT
Label 7
Ø74mm

376
FORTYEIGHT
Label 6
Ø59mm

376
FORTYEIGHT
Label 4
Ø40mm

376
FORTYEIGHT
Label 2
Ø23mm

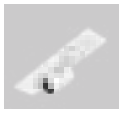
230V Lighting Systems

400
LOGICO System
Ceiling/Suspen-
sion Continuous
Light module

400
LOGICO System
Ceiling/Suspen-
sion Projector
modulee

400
LOGICO System
Ceiling/Suspen-
sion Spot module
Spot module

400
LOGICO System
Trimless Recessed
Continuous light
module



400
LOGICO System
Trimless Recessed
Projector module

400
LOGICO System
Trimless Recessed
Spot module

400
LOGICO System
Recessed with
flange Continuous
Light module

400
LOGICO System
Recessed with
flange Projector
module

400
LOGICO System
Recessed
with flange
Spot module

OZ SYSTEM 48V

INFO GENERALI

Power track
Lenghts: 1000mm – 2000mm – 3000mm
L, T and X linear electrical connections.
L orthogonal and adjustable connectors.

Magnetic LED light unit
Small fixed and adjustable
Large fixed and adjustable
5x Small fixed
3x Large fixed
Linear module

Profile
Profile for recessed, ceiling mounted and suspension installation with a double Large and Small section.
Lenghts: 1000mm – 2000mm – 3000mm

LED

Emitter for version Small.
Chip on Board for version Large.
Chip on Board for version Large.
LED Engine made of linear LED boards for linear modules.
From 187lm to 2934lm
2700K - 3000K - 3500K - 4000K
Ra90

PRODUCT EFFICACY

Up to 115lm/W

OPTICS

SP – FL – MWFL
Opal for linear modules
DBS - Digital beam opening control for single modules.

ALIMENTAZIONE

48V system with Electronic power supply - Casambi on board
DALI control system available using a dedicated accessory (only for Casambi version products).

MATERIAL

Power track
Black or white polycarbonate with 2 conductive stainless steel rails. Black or white polycarbonate cover.

Magnetic led light unit
Black or white painted die-cast aluminium.
Acrylic lens and black polycarbonate screen.

Linear modules
Black or white painted die-cast aluminium body with black polycarbonate frame. White highly reflective MCPET reflector and opaline polycarbonate louver screen.

Profile
black or white painted extruded aluminium.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

Oz is a system that designs space and lights it with extreme simplicity and lightness.
A clean, minimal design, an extremely thin 6mm track and a 48V power track. The real heart of the system the magnetic power track adapts freely to the space ready to welcome the light units available with different types, sizes and beam openings at any point along the track.

The systems can be left visible in surface installations where lightness and technology are highlighted, or housed in special profiles that allow for surface, suspension or recessed installation.

The system is available with a 1-10V (Digital Dimming) interface and a DALI-Casambi gateway.

Single light modules are available in DBS - Dynamic Beam Shaper versions.

OZ is also available in a ceiling and recessed stand alone 230V version.

Highlights

A The world is not only made of right angles

OZ is not a rigid and rigorous system where lines can only meet orthogonally. The new adjustable connector makes it possible to create new geometries extending the configuration and use possibilities of the OZ system. Thanks to the new connection system it is possible to create in space with greater freedom: every connector can connect from 2 to 8 powertracks to create free angles between “right” angles (minimum 45° angle).

B DBS Module: a new record for OZ

In the single version, both fixed and adjustable, Oz is the first miniature light unit that can be equipped with the innovative DBS – Dynamic Beam Shaper - optic that makes it possible to digitally regulate beam openings. Not only is it possible to add, remove and move light modules along the powertrack but now it is also possible to define the photometric distribution as well as the luminous emission of individual light points with extreme simplicity. A prime example of flexibility.

C Linear light modules

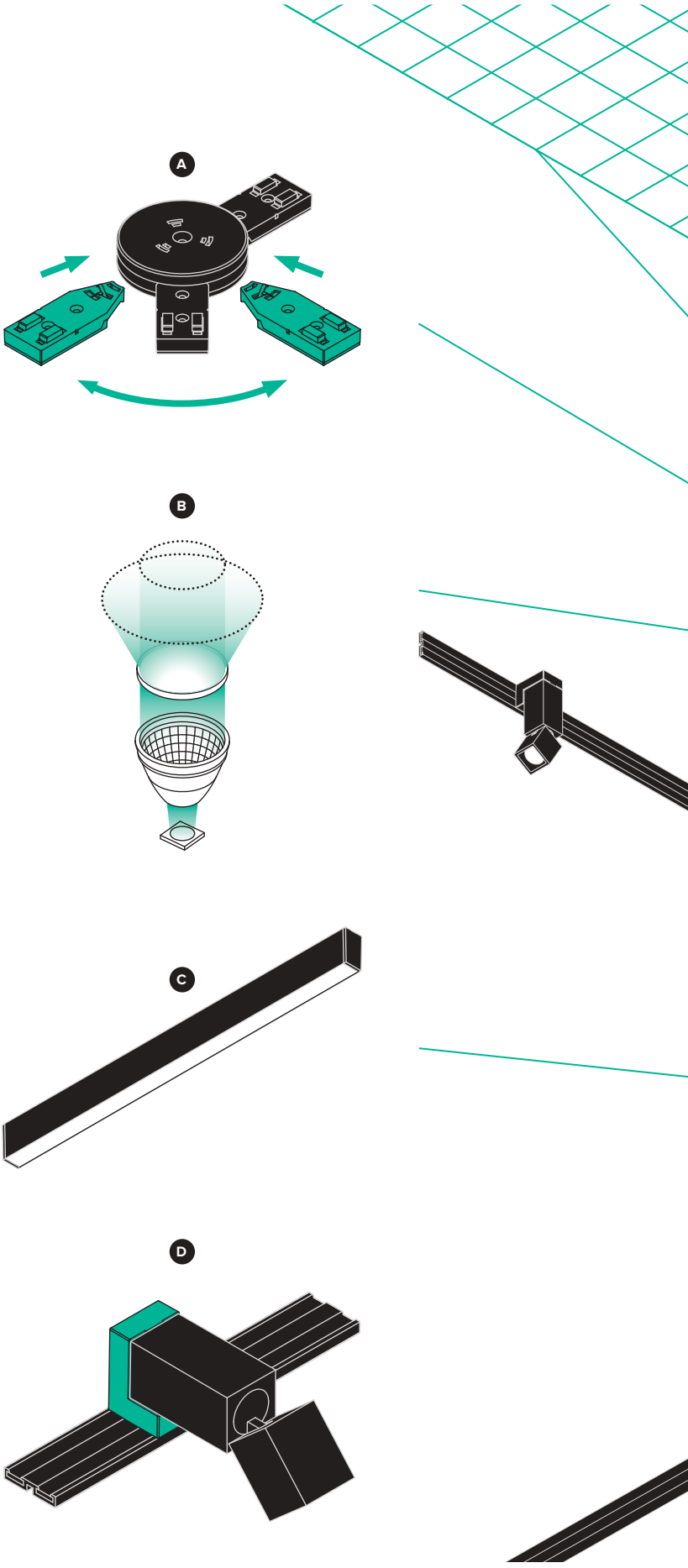
The OZ range has been extended with new linear light modules. Available in two different sizes - L=569mm e L=869mm - they are equipped with optical systems composed of a high reflectance reflector and an opal polycarbonate screen for a soft, diffused effect. The linear modules are also available in Digital Dimming version.

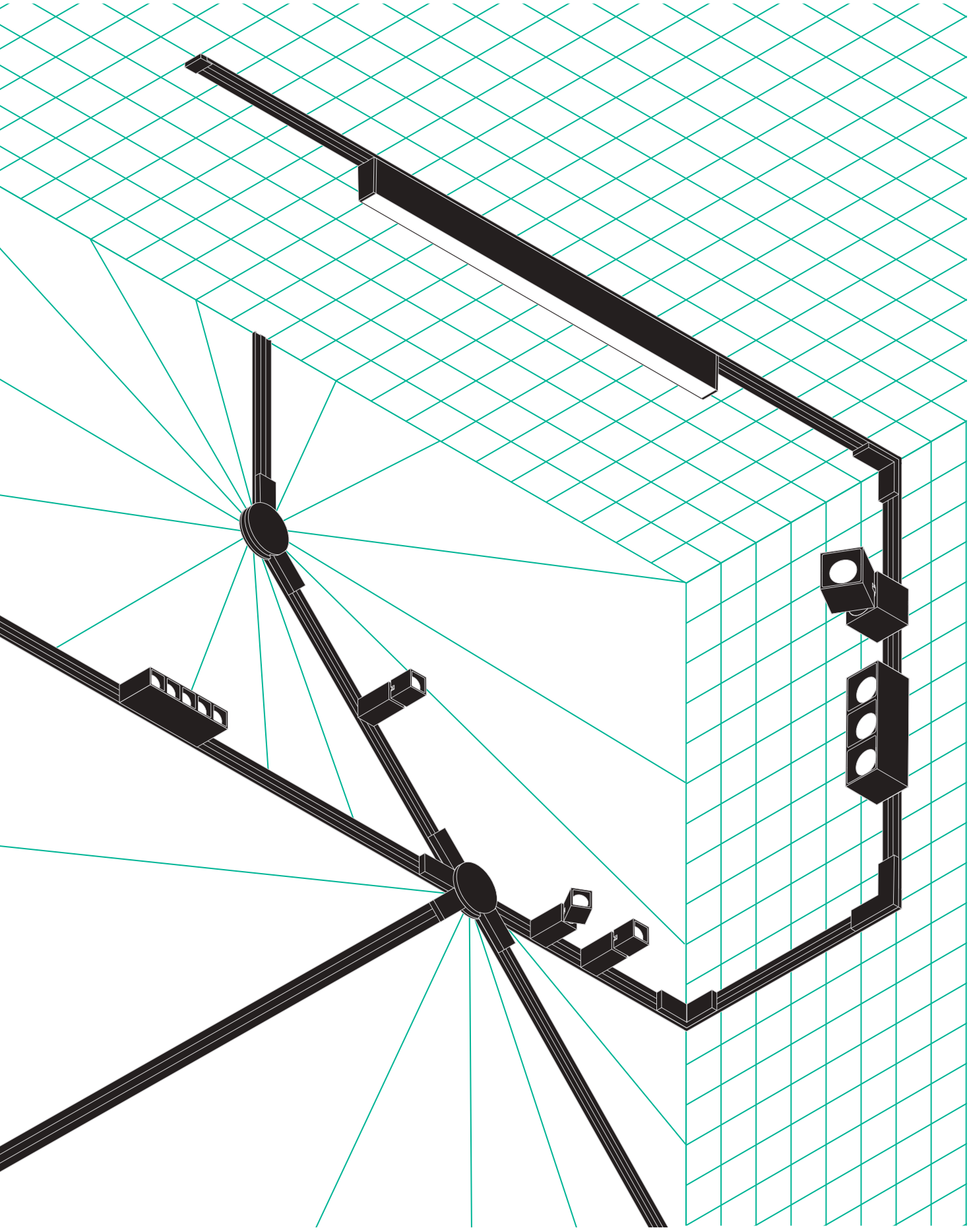
A connected system

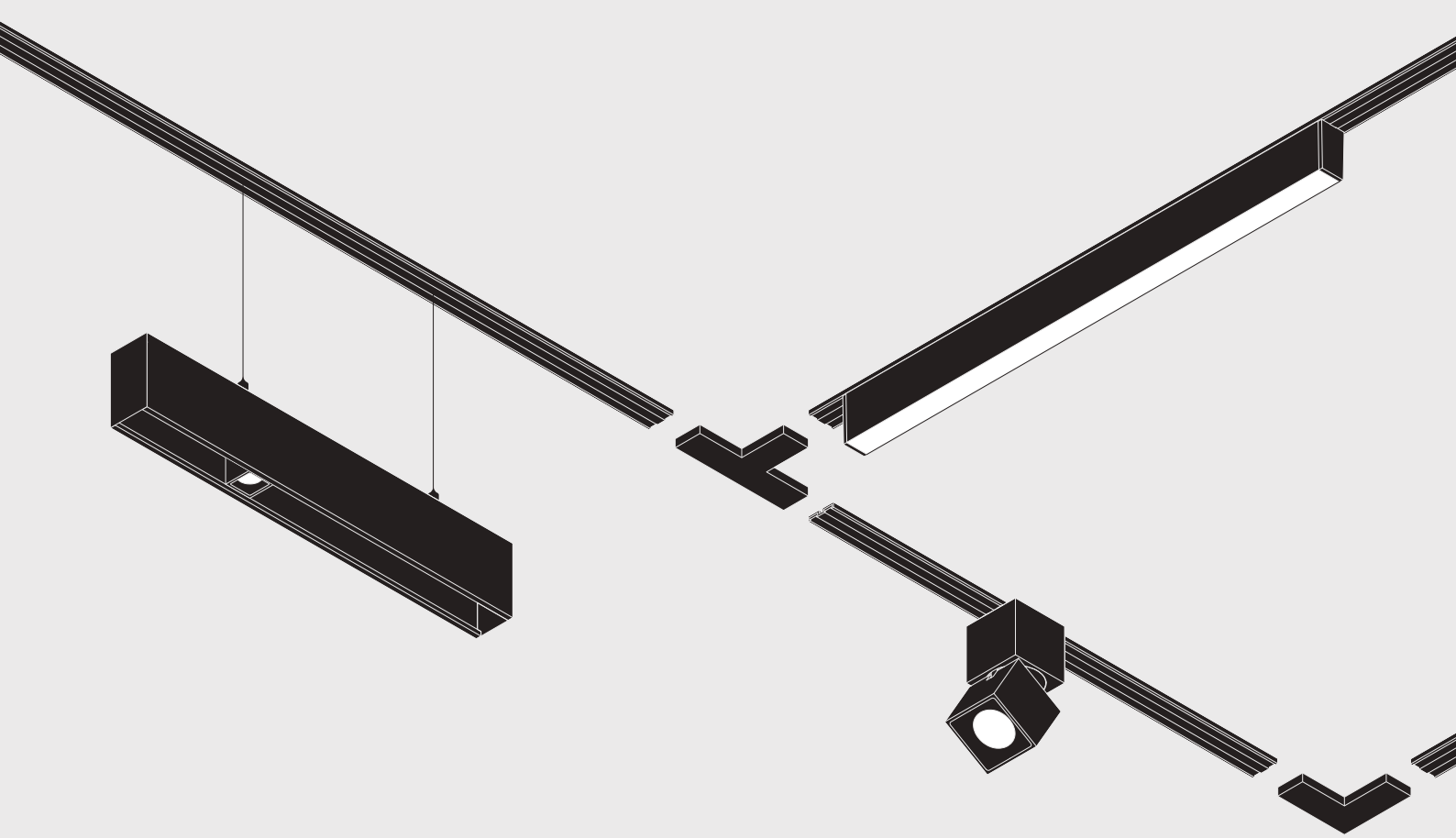
Thanks to the new DALI-Casambi gateway it is possible to interface Casambi version OZ modules with a traditional DALI system. This makes it possible to manage individual light modules using Bluetooth directly from the DALI control unit.

D A new L shaped support

Thanks to the new L shaped support the system is even more flexible. In standard installation the light units appear perpendicular to the power track; the new L shaped support provides further possibilities to attach Small modules at 90° to allow for zenithal lighting for example, even when the power track is installed on cornices or on a beam.





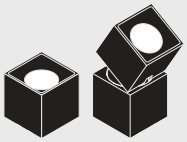


Light modules

Single

Fixed and adjustable Small

25x25mm



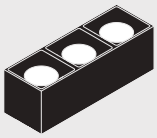
Fixed and adjustable Large

50x50mm

Multiple

Small

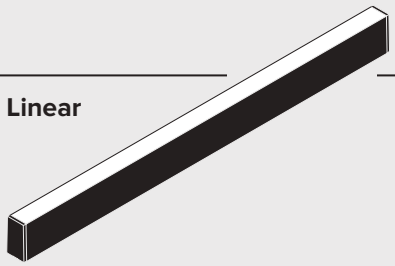
25x125mm



Large

50x150mm

Linear

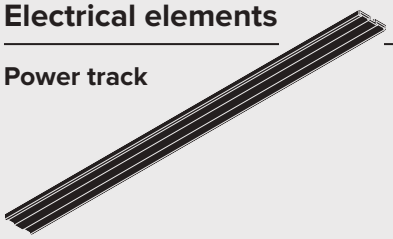


Small

L=569mm e L=869mm

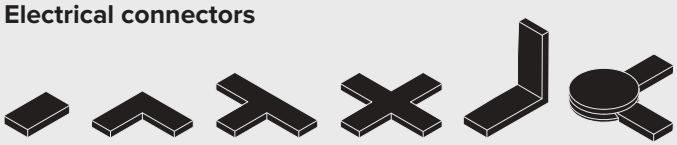
Electrical elements

Power track



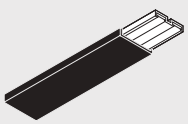
L=1/2/3m • 48V DC
* To be completed with special end caps

Electrical connectors



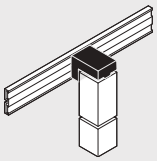
Linear L, T, X connectors and orthogonal and adjustable L

Accessories



Cover

L=1/2/3m

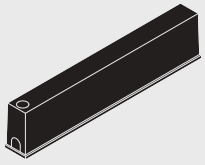


An L shaped support

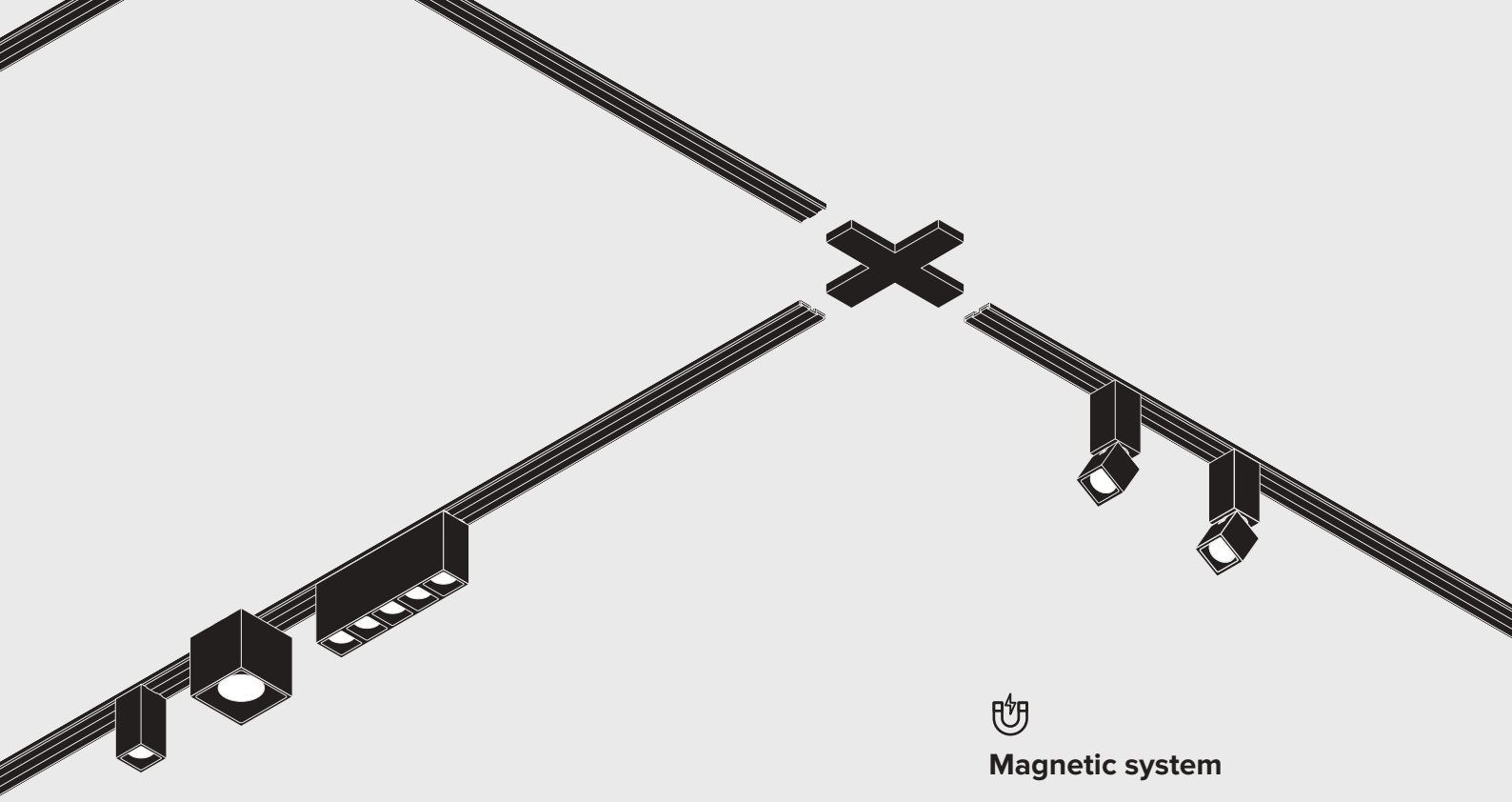
Power supply

see pages 348-349

Power head for remote driver



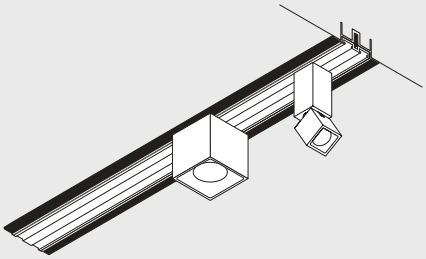
Driver on board



Magnetic system

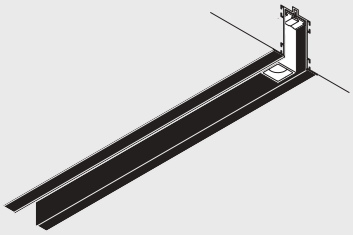
Installation solutions

Recessed for power track



L=1/2/3m

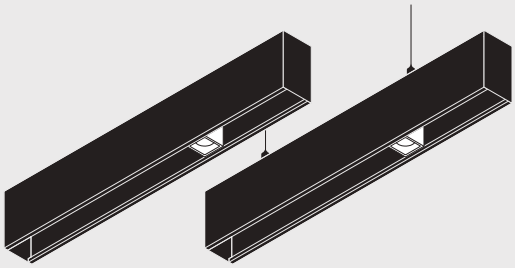
Recessed



Profiles for Small modules
Profiles for Large modules

L=1/2/3m
* To be completed with special end caps

Ceiling and suspension



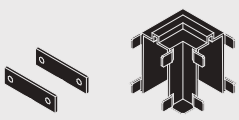
Profiles for Small modules
Profiles for Large modules

L=1/2/3m
* To be completed with special end caps

Accessories

Cover for Small profile modules
and cover for Large modules

Recessed accessories



Linear mechanical
and L shaped connectors

Ceiling and suspension accessories

Linear mechanical
L, T and X shaped connectors

The power track is the heart of the system

The power track is available in three different lengths, black or white. For an effect of formal simplicity it is possible to accessorise the power-track with the cover that hides the two metal tracks. The cover can be easily cut to size on installation.

Innovative 48V magnetic system

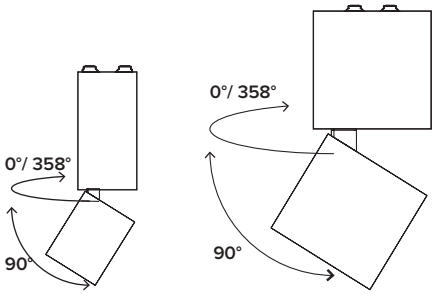
Installing modules is really easy, just place them at any point on the system and the magnets will attach them without the need for accessories.

Linear Light Modules

Available in two lengths - L=569mm and L =869mm- they guarantee a soft and diffused effect. Now available also with Digital Dimming

Single lighting modules

Available in two different extremely compact sizes - 25x25x50 e 50x50x50 - both in fixed and adjustable versions. Now also available with a variable DBS - Dynamic Beam Shaper optic. They can have a body with a white finish and a black screen or be completely black.



Multiple lighting modules

New 3x multi-optical light modules for the Large version and 5x for the Small version, available both in an electronic and Casambi version for remote control of light points. This allows for independent autonomous management of light points on the same track to create different scenarios as needed.

Not only black and white

On request it is possible to have both the single and multiple lighting modules in the desired RAL colour. Download the RAL colours palette from the website and choose the most suitable colour for your project.

Easy Custom Colour

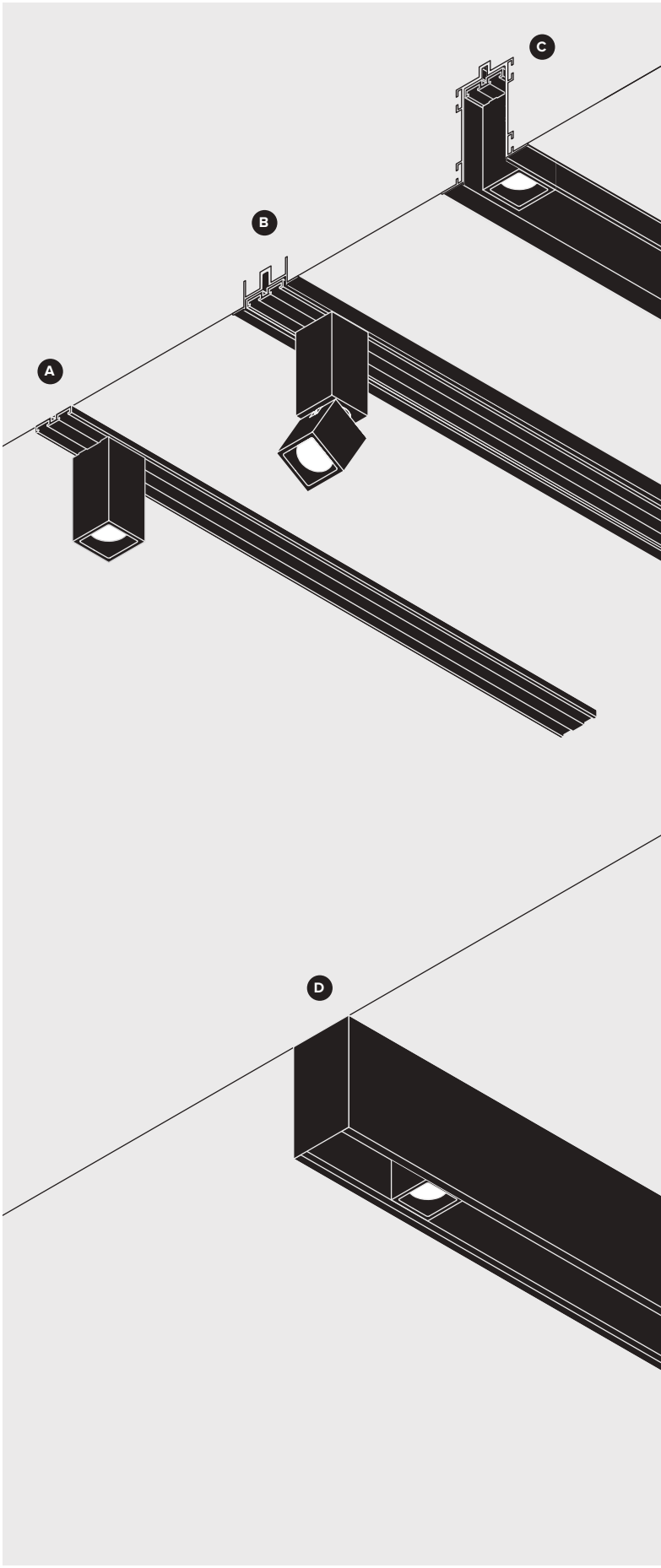
targetti.com/downloads

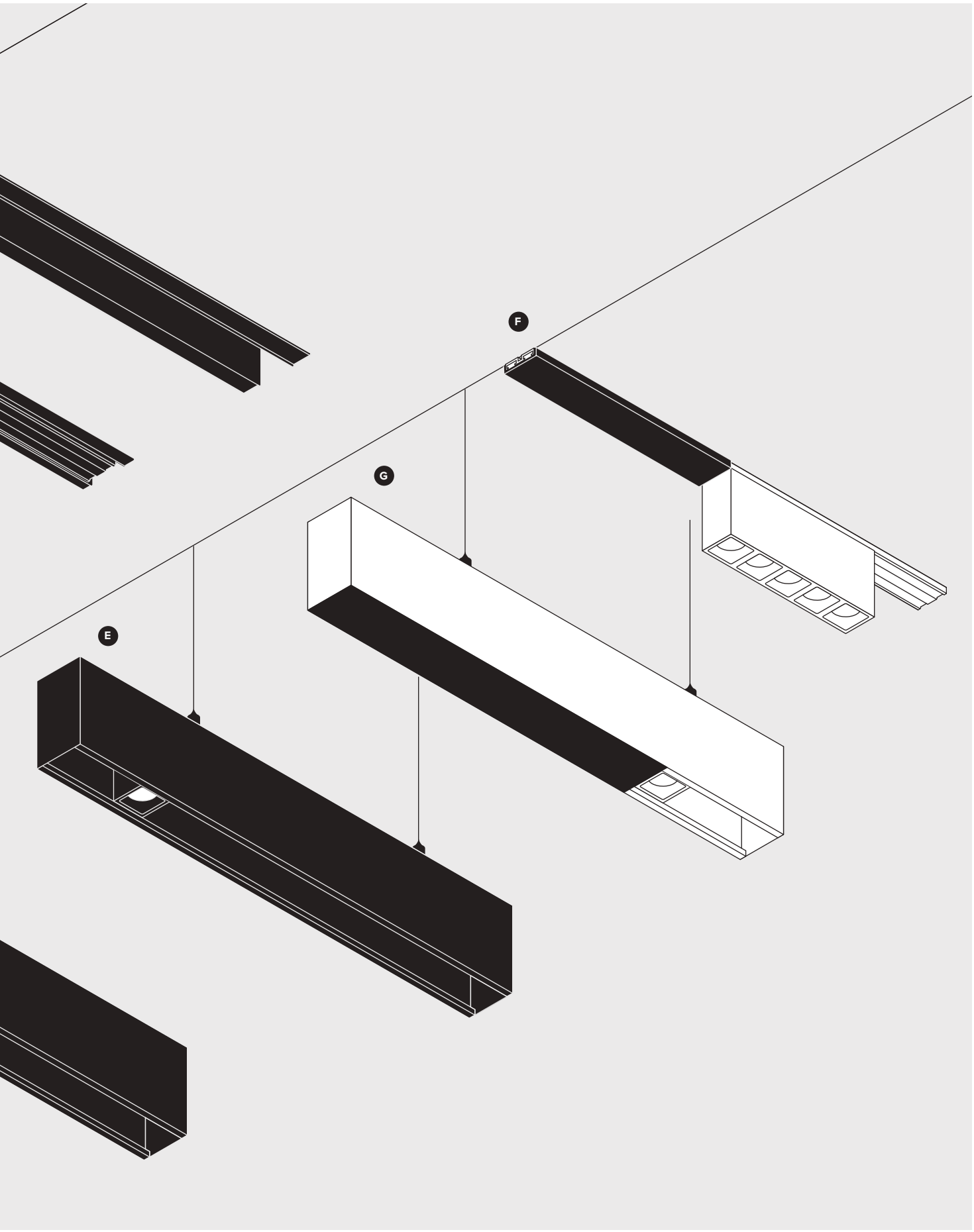
Five different solutions for maximum application flexibility

OZ allows for maximum application flexibility. The power track can be installed directly on the wall and ceiling (A). Using a special “thin” recessed profile for power tracks, ideal for installation in existing suspended ceilings, it is possible to recess the power track leaving the light units visible (B). Alternatively, the profiles available allow to install the power track and luminous units completely hidden from view in suspended ceilings (C), on the ceiling (D) or suspension installation (E).

Thanks to the cover accessory, available in black or white, it is possible to cover the power track for a totally clean effect.
Thanks to a special cover accessory (F), available in black or white it is possible to cover the power track for a completely clean effect. A special cover accessory was also designed to complete the OZ system even with installations using profiles for ceiling or suspension applications (G).

The cover can be easily cut to size to leave only the part of the power track that is necessary to install the light modules on visible.




F
G
E

Zoya boutique
Bangalore, Karnataka - India

Architect Deepak Prem Architects
Lighting Design Mrs. Anusha Muthusubramanian, Lighting Spaces

Photographer GOJIS Lifestyle Pvt Ltd

A single profile for recessed installations with or without a flange

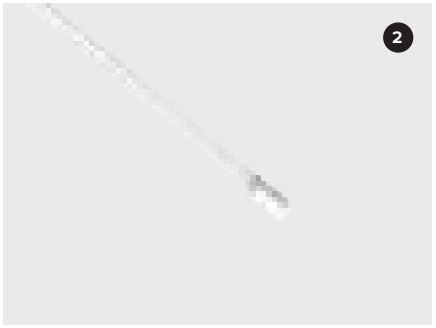
This recessed profile was specially developed to allow for both trimless installation and with a visible flange. This makes it possible to order a unique solution and decide the installation method after.

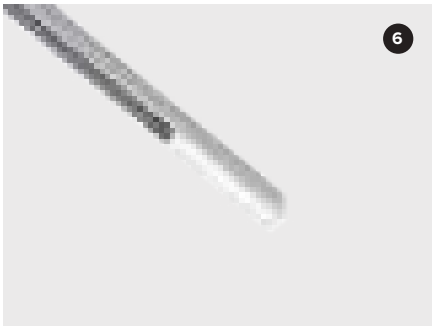
Different power supplies available

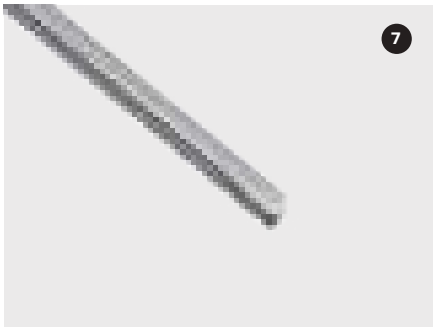
OZ is powered by a driver box installed directly on the power track or a remote driver, to be completed with a power head. The on board driver box can be positioned at the top of the system or at the centre of the power track.

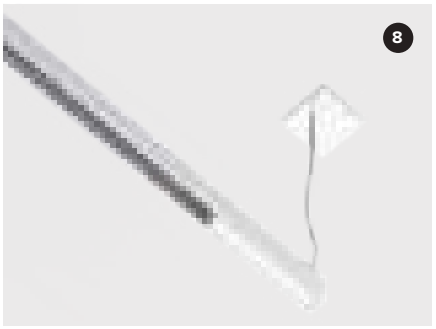
For suspension applications it is possible to choose the solution with a ceiling driver box installed as a canopy and to be completed with a power head positioned directly on the power track.

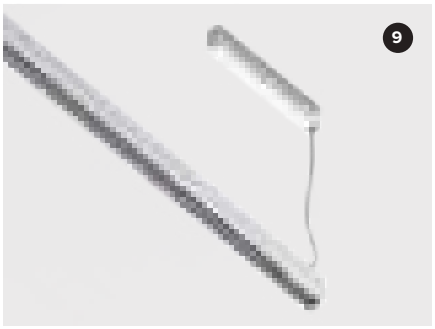
1. Direct installation on the power track with an on board driver box
2. Direct installation on the power track with a remote driver and a power head
3. Direct installation on the power track with an on board driver box positioned in the centre between two power tracks
4. Installation on a recessed profile with an on board driver box
5. Installation on a recessed profile with a remote driver and a power head positioned on the power track
6. Installation on a ceiling profile with an on board driver box
7. Installation on a ceiling profile with a remote driver and a power head positioned on the power track
8. Installation on a suspension profile with an on board driver box
9. Installation on a suspension profile with a ceiling driver box and a power head positioned on the power track





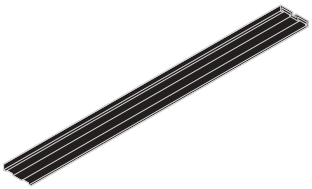






How to configure Oz

A
Standard Configuration

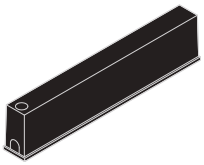


Power track

+

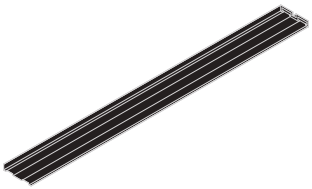
Standard product

+



On board or remote power supply

B
Casambi Configuration

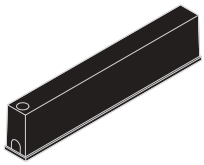


Power track

+

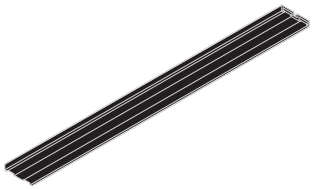
Casambi product (CA)

+



On board or remote power supply

C
DALI Configuration

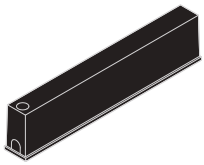


Power track

+

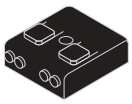
Casambi product (CA)

+



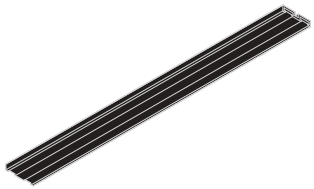
On board or remote power supply

+



Bridge DALI-Casambi

D
Digital Dimming Configuration



Power track

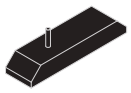
+

Digital Dimming product (DD)

+

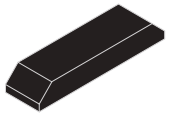
Digital Dimming power head (Standard or dimmer on board)

+



Controller 1-10V

+



Remote driver

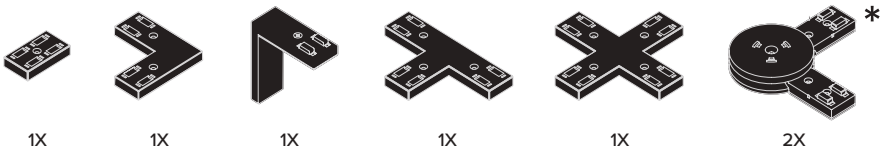
The rules of OZ

5

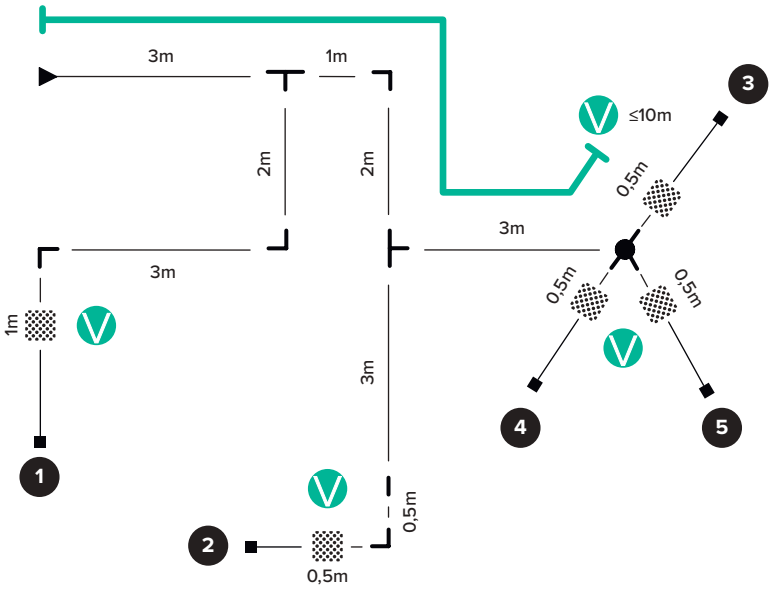
Is the maximum number of joints that can be used in the same configuration per each single power supply

10

Metres, is the maximum distance between the light module and the driver inside the same configuration



* The adjustable electrical jcounts as two joints, regardless of the number of power tracks effectively connected to it

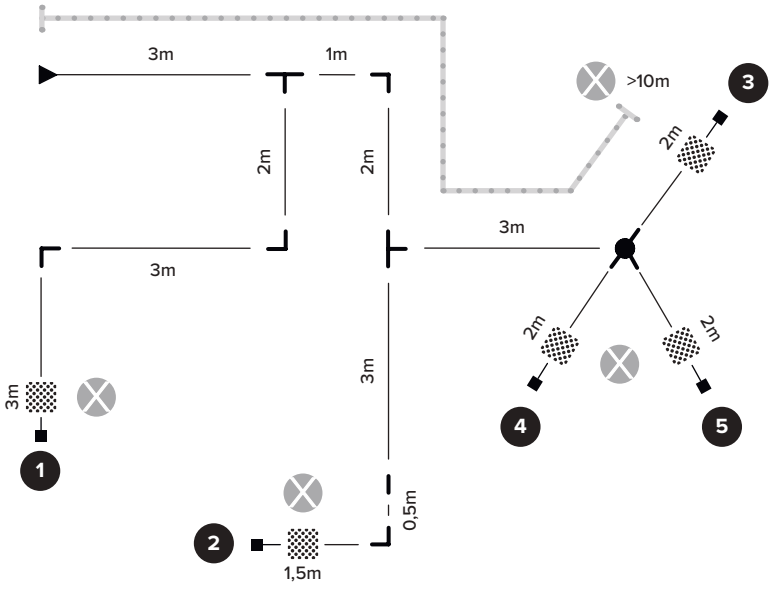


Configuration 1

⊥ + L + L = 3

Configuration 2

⊥ + L + ⊥ + I + L = 5



Configuration 3 4 5

⊥ + L + ⊥ + = 5

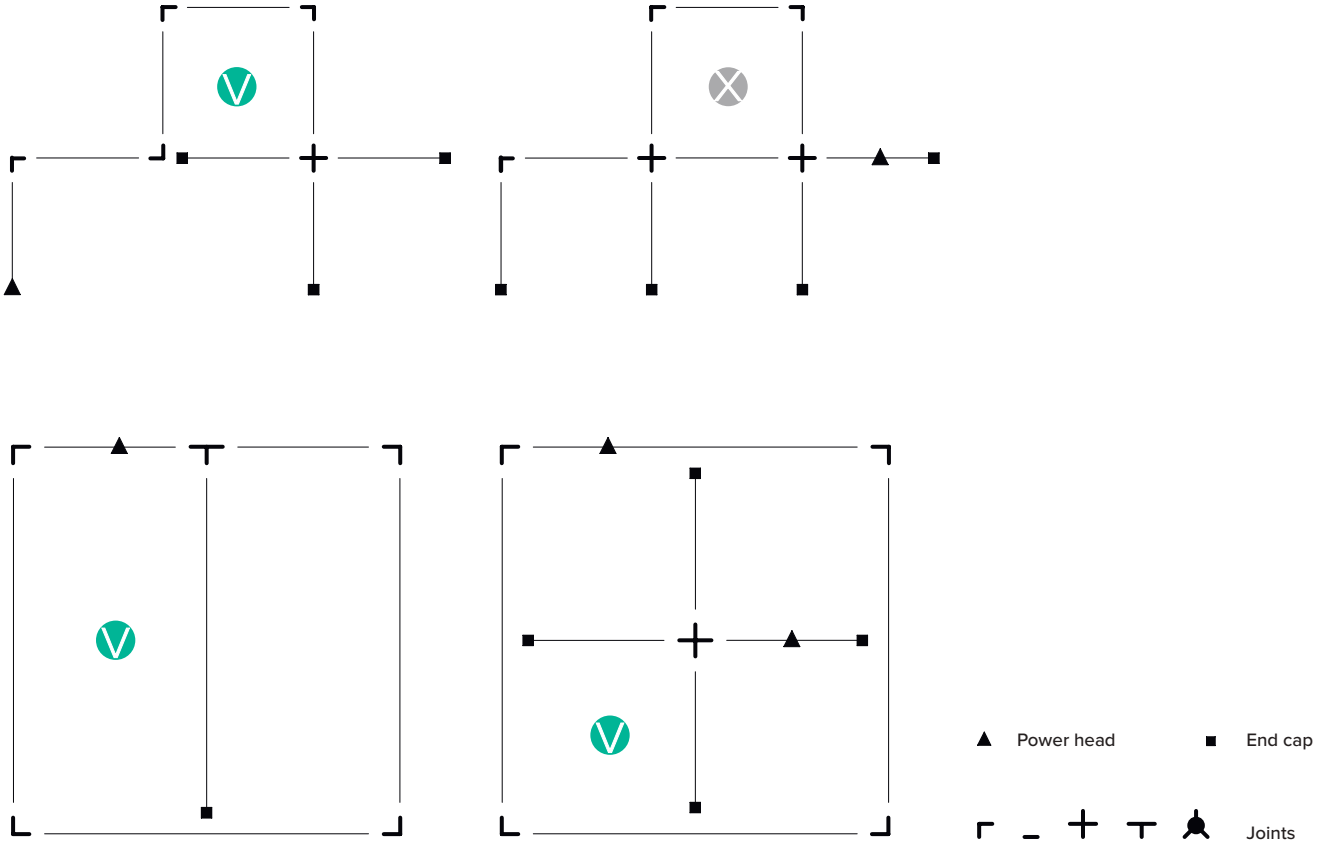
Lighting module

▲ Power head ■ End cap

Joints

1

Are the closed systems that can be created. Only closed systems with 4 L-joints are allowed



3

There are 3 types of driver available

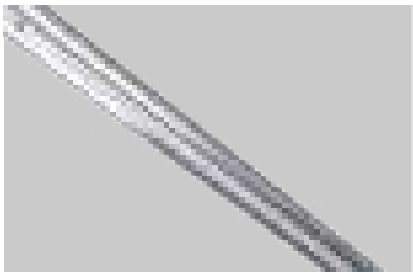
- On board driver box to be house directly on the power track - max 90W
- Driver box for ceiling installation - max 90W - and to be completed with a power head
- Remote driver to be completed with a power head - max 210W

100

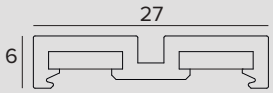
Watt is the maximum power that can be installed per metre. The total power of the configuration varies according to the type of driver used.

∞

Possible solutions



Power Track



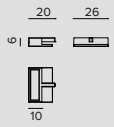
POWER TRACK

IP20

	Kg	L	Colour	
	0.3	1000	○	**1T7431**
	0.59	2000	○	**1T7432**
	0.89	3000	○	**1T7433**
	0.3	1000	●	**1T7434**
	0.59	2000	●	**1T7435**
	0.89	3000	●	**1T7436**

Related codes

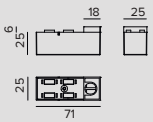
End Caps



	Colour	Code
	○	**1T7026**
	●	**1T7027**

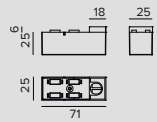
Kit containing 2 profile end caps.

Power Supply



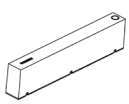
	Dimensions LxHxP	Colour	Code
	71x27x25	○	**1T7024**
	71x27x25	●	**1T7025**

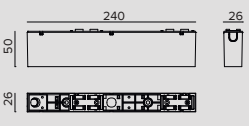
Power head.



	Dimensions LxHxP	Version	Colour	Code
	71x27x26	STANDARD	○	**1T9526DD**
	71x27x26	DIMM ON BOARD	○	**1T9603DD**
	71x27x26	STANDARD	●	**1T9604DD**
	71x27x26	DIMM ON BOARD	●	**1T9605DD**

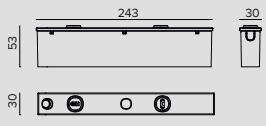
Digital dimming power head.





	Driver	Colour	Code
	EL.	○	**1T7028EL**
	EL.	●	**1T7029EL**

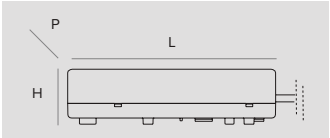
48Vdc driver box with magnetic coupling.
LxHxP=240x54x26mm, 90W.



	Driver	Colour	Code
	EL.	○	**1T7030EL**
	EL.	●	**1T7172EL**

48Vdc driver box for ceiling installation.
LxHxP=243x58x30mm, 90W.

OZ

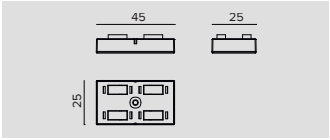


Dimensions LxHxP	W	IP	Code
225x36x60	60W	IP20	**1T6917EL**
240x49x60	130W	IP20	**1T6916EL**
251x37x90	210W	IP67	**1T7403EL**

48Vdc electronic driver.
1T6917EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 20m - cable 1.5mm^2.
1T6916EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 10m - cable 1.5mm^2.
1T7403EL - Universal power supply (110-277V) for Electronic, DALI and Casambi systems. Maximum distance 5m - cable 1.5mm^2.

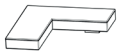
Accessories

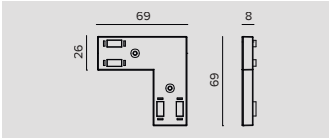
Electrical Connector



Colour	Code
○	**1T7016**
●	**1T7020**

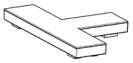
Linear electrical connector.
5 the maximum joints for each driver source.

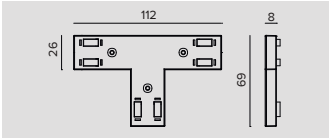




Colour	Code
○	**1T7017**
●	**1T7021**

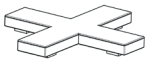
Electrical L connector.
5 the maximum joints for each driver source.

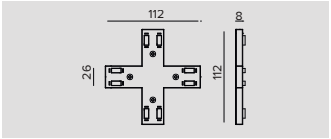




Colour	Code
○	**1T7018**
●	**1T7022**

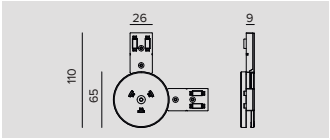
Electrical T connector.
5 the maximum joints for each driver source.





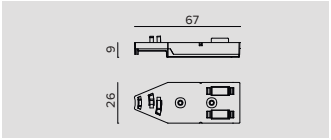
Colour	Code
○	**1T7019**
●	**1T7023**

Electrical X connector.
5 the maximum joints for each driver source.



Colour	Code
○	**1T9524**
●	**1T9525**

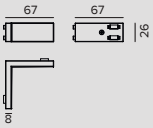
Adjustable 2 way electric connector.
Using a special accessory element it is possible to connect up to 8 Power Tracks.



Colour	Code
○	**1T9579**
●	**1T9580**

Accessory element for adjustable electric connector (1T9524 and 1T9525).

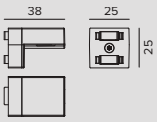
OZ



Colour	Code
○	**1T7439**
●	**1T7440**

L-angle electrical coupling.
5 the maximum joints for each driver source.

Mounting System



Colour	Code
○	**1T9592**
●	**1T9593**

L shaped support that offers the possibility to attach modules to the Power Track at 90°.
The support allows for zenithal lighting for example when the power track is installed on the wall.
Only for single 25x25mm light modules.

Cover Panel

L	Colour	Code
1000	○	**1T7938**
1000	●	**1T7941**
2000	○	**1T7939**
2000	●	**1T7942**
3000	○	**1T7940**
3000	●	**1T7943**

Cover for Power Track (5 pieces).

Mounting System

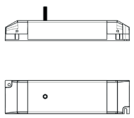
Code
1T7098

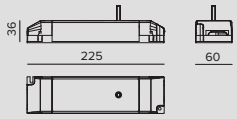
Double-sided adhesive roller, 10m long, for fixing Power Track on any surface.

Code
1T9523

Bracket for ceiling installation of the Power Track in modular suspended ceilings.

Control systems





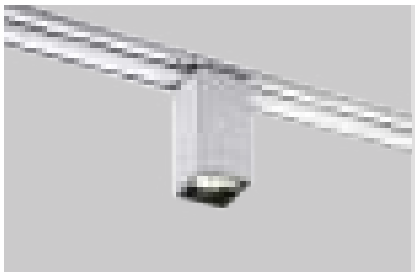
Code
1T9594D

1-10V (DIMM ON BOARD) controller for remote installation.
Each 1-10V controller can drive several products for a maximum of 96W per circuit.

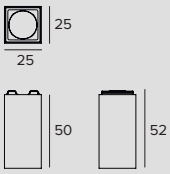
Code
1T8173CA

Bridge DALI/Casambi: a fixture that allows fixtures equipped with mesh Bluetooth Casambi to interface with a traditional DALI system and to be adjusted by a DALI control unit.
Inside the usual DALI circuit it is possible to have a maximum of 64 cabled DALI and Casambi wireless devices.
It only works with Casambi Evolution networks.
The DALI Bridge is transparent in the DALI system, and therefore does not require an address.
There is no need for a power supply given that it is supplied directly by the DALI bus.
LxHxP=40.4x14x36.3mm.

OZ



Lighting module
Single fixed
25x25mm



LED / 2,1W / LENS / SP / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7506**	**1T7507**	**1T7508**	**1T7509**
●	**1T7518**	**1T7519**	**1T7520**	**1T7521**

LED / 2,1W / LENS / SP / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7099CA**	**1T7100CA**	**1T7101CA**	**1T7102CA**
●	**1T7111CA**	**1T7112CA**	**1T7113CA**	**1T7114CA**

LED / 2,1W / LENS / SP / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7099DD**	**1T7100DD**	**1T7101DD**	**1T7102DD**
●	**1T7111DD**	**1T7112DD**	**1T7113DD**	**1T7114DD**

LED / 2,1W / LENS / FL / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7510**	**1T7511**	**1T7512**	**1T7513**
●	**1T7522**	**1T7523**	**1T7524**	**1T7525**

LED / 2,1W / LENS / FL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7103CA**	**1T7104CA**	**1T7105CA**	**1T7106CA**
●	**1T7115CA**	**1T7116CA**	**1T7117CA**	**1T7118CA**

OZ

LED / 2,1W / LENS / FL / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7103DD**	**1T7104DD**	**1T7105DD**	**1T7106DD**
●	**1T7115DD**	**1T7116DD**	**1T7117DD**	**1T7118DD**

LED / 2,1W / LENS / MWFL / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7514**	**1T7515**	**1T7516**	**1T7517**
●	**1T7526**	**1T7527**	**1T7528**	**1T7529**

LED / 2,1W / LENS / MWFL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7107CA**	**1T7108CA**	**1T7109CA**	**1T7110CA**
●	**1T7119CA**	**1T7120CA**	**1T7121CA**	**1T7122CA**

LED / 2,1W / LENS / MWFL / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7107DD**	**1T7108DD**	**1T7109DD**	**1T7110DD**
●	**1T7119DD**	**1T7120DD**	**1T7121DD**	**1T7122DD**

LED / 2,6W / LENS / SP / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7099**	**1T7100**	**1T7101**	**1T7102**
●	**1T7111**	**1T7112**	**1T7113**	**1T7114**

LED / 2,6W / LENS / FL / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7103**	**1T7104**	**1T7105**	**1T7106**
●	**1T7115**	**1T7116**	**1T7117**	**1T7118**

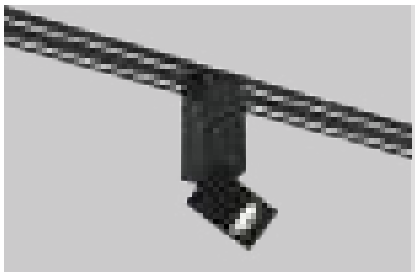
OZ

LED / 2,6W / LENS / MWFL / FIXED

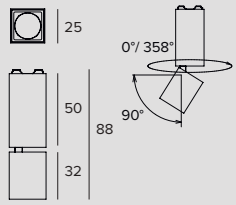
Colour	2700K	3000K	3500K	4000K
○	**1T7107**	**1T7108**	**1T7109**	**1T7110**
●	**1T7119**	**1T7120**	**1T7121**	**1T7122**

LED / 2,1W / DBS / SP-MWFL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7965CA**	**1T7961CA**	**1T7969CA**	**1T7973CA**
●	**1T7949CA**	**1T7945CA**	**1T7953CA**	**1T7957CA**



Lighting module Single adjustable 25x25mm



LED / 2,1W / LENS / SP / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7530**	**1T7531**	**1T7532**	**1T7533**
●	**1T7542**	**1T7543**	**1T7544**	**1T7545**

LED / 2,1W / LENS / SP / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7123CA**	**1T7124CA**	**1T7125CA**	**1T7126CA**
●	**1T7135CA**	**1T7136CA**	**1T7137CA**	**1T7138CA**

LED / 2,1W / LENS / SP / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7123DD**	**1T7124DD**	**1T7125DD**	**1T7126DD**
●	**1T7135DD**	**1T7136DD**	**1T7137DD**	**1T7138DD**

OZ

LED / 2,1W / LENS / FL / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7534**	**1T7535**	**1T7536**	**1T7537**
●	**1T7546**	**1T7547**	**1T7548**	**1T7549**

LED / 2,1W / LENS / FL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7127CA**	**1T7128CA**	**1T7129CA**	**1T7130CA**
●	**1T7139CA**	**1T7140CA**	**1T7141CA**	**1T7142CA**

LED / 2,1W / LENS / FL / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7127DD**	**1T7128DD**	**1T7129DD**	**1T7130DD**
●	**1T7139DD**	**1T7140DD**	**1T7141DD**	**1T7142DD**

LED / 2,1W / LENS / MWFL / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7538**	**1T7539**	**1T7540**	**1T7541**
●	**1T7550**	**1T7551**	**1T7552**	**1T7553**

LED / 2,1W / LENS / MWFL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7131CA**	**1T7132CA**	**1T7133CA**	**1T7134CA**
●	**1T7143CA**	**1T7144CA**	**1T7145CA**	**1T7146CA**

LED / 2,1W / LENS / MWFL / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7131DD**	**1T7132DD**	**1T7133DD**	**1T7134DD**
●	**1T7143DD**	**1T7144DD**	**1T7145DD**	**1T7146DD**

OZ

LED / 2,6W / LENS / SP / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7123**	**1T7124**	**1T7125**	**1T7126**
●	**1T7135**	**1T7136**	**1T7137**	**1T7138**

LED / 2,6W / LENS / FL / ADJUSTABLE

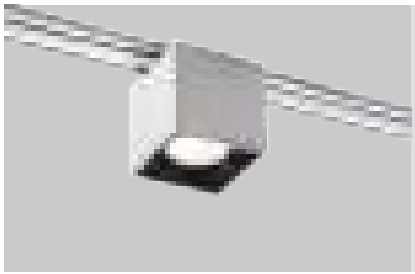
Colour	2700K	3000K	3500K	4000K
○	**1T7127**	**1T7128**	**1T7129**	**1T7130**
●	**1T7139**	**1T7140**	**1T7141**	**1T7142**

LED / 2,6W / LENS / MWFL / ADJUSTABLE

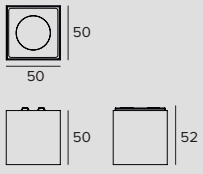
Colour	2700K	3000K	3500K	4000K
○	**1T7131**	**1T7132**	**1T7133**	**1T7134**
●	**1T7143**	**1T7144**	**1T7145**	**1T7146**

LED / 2,1W / DBS / SP-MWFL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7967CA**	**1T7963CA**	**1T7971CA**	**1T7975CA**
●	**1T7951CA**	**1T7947CA**	**1T7955CA**	**1T7959CA**



Lighting module Single fixed 50x50mm



LED / 6,8W / REFLECTOR / SP / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7554**	**1T7555**	**1T7556**	**1T7557**
●	**1T7566**	**1T7567**	**1T7568**	**1T7569**

OZ

LED / 6,8W / REFLECTOR / SP / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7147CA**	**1T7148CA**	**1T7149CA**	**1T7150CA**
●	**1T7159CA**	**1T7160CA**	**1T7161CA**	**1T7162CA**

LED / 6,8W / REFLECTOR / SP / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7147DD**	**1T7148DD**	**1T7149DD**	**1T7150DD**
●	**1T7159DD**	**1T7160DD**	**1T7161DD**	**1T7162DD**

LED / 6,6W / REFLECTOR / FL / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7558**	**1T7559**	**1T7560**	**1T7561**
●	**1T7570**	**1T7571**	**1T7572**	**1T7573**

LED / 6,6W / REFLECTOR / FL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7151CA**	**1T7152CA**	**1T7153CA**	**1T7154CA**
●	**1T7163CA**	**1T7164CA**	**1T7165CA**	**1T7166CA**

LED / 6,6W / REFLECTOR / FL / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7151DD**	**1T7152DD**	**1T7153DD**	**1T7154DD**
●	**1T7163DD**	**1T7164DD**	**1T7165DD**	**1T7166DD**

LED / 6,6W / REFLECTOR / MWFL / FIXED

Colour	2700K	3000K	3500K	4000K
○	**1T7562**	**1T7563**	**1T7564**	**1T7565**
●	**1T7574**	**1T7575**	**1T7576**	**1T7577**

OZ

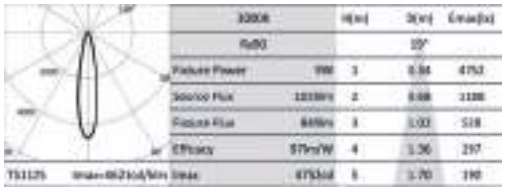
LED / 6,6W / REFLECTOR / MWFL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7155CA**	**1T7156CA**	**1T7157CA**	**1T7158CA**
●	**1T7167CA**	**1T7168CA**	**1T7169CA**	**1T7170CA**

LED / 6,6W / REFLECTOR / MWFL / FIXED DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7155DD**	**1T7156DD**	**1T7157DD**	**1T7158DD**
●	**1T7167DD**	**1T7168DD**	**1T7169DD**	**1T7170DD**

LED / 7,5W / REFLECTOR / SP / FIXED



Colour	2700K	3000K	3500K	4000K
○	**1T7147**	**1T7148**	**1T7149**	**1T7150**
●	**1T7159**	**1T7160**	**1T7161**	**1T7162**

LED / 8,3W / REFLECTOR / FL / FIXED

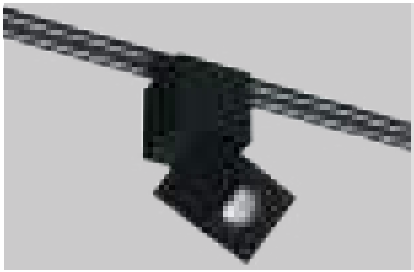
Colour	2700K	3000K	3500K	4000K
○	**1T7151**	**1T7152**	**1T7153**	**1T7154**
●	**1T7163**	**1T7164**	**1T7165**	**1T7166**

LED / 8,3W / REFLECTOR / MWFL / FIXED

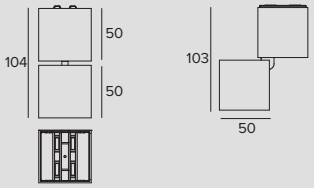
Colour	2700K	3000K	3500K	4000K
○	**1T7155**	**1T7156**	**1T7157**	**1T7158**
●	**1T7167**	**1T7168**	**1T7169**	**1T7170**

LED / 6,8W / DBS / SP-MWFL / FIXED CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7966CA**	**1T7962CA**	**1T7970CA**	**1T7974CA**
●	**1T7950CA**	**1T7946CA**	**1T7954CA**	**1T7958CA**



Lighting module Single adjustable 50x50mm



LED / 6,8W / REFLECTOR / SP / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7578**	**1T7579**	**1T7580**	**1T7581**
●	**1T7590**	**1T7591**	**1T7592**	**1T7593**

LED / 6,8W / REFLECTOR / SP / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7407CA**	**1T7408CA**	**1T7409CA**	**1T7410CA**
●	**1T7419CA**	**1T7420CA**	**1T7421CA**	**1T7422CA**

LED / 6,8W / REFLECTOR / SP / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7407DD**	**1T7408DD**	**1T7409DD**	**1T7410DD**
●	**1T7419DD**	**1T7420DD**	**1T7421DD**	**1T7422DD**

LED / 6,6W / REFLECTOR / FL / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7582**	**1T7583**	**1T7584**	**1T7585**
●	**1T7594**	**1T7595**	**1T7596**	**1T7597**

LED / 6,6W / REFLECTOR / FL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7411CA**	**1T7412CA**	**1T7413CA**	**1T7414CA**
●	**1T7423CA**	**1T7424CA**	**1T7425CA**	**1T7426CA**

OZ

LED / 6,6W / REFLECTOR / FL / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7411DD**	**1T7412DD**	**1T7413DD**	**1T7414DD**
●	**1T7423DD**	**1T7424DD**	**1T7425DD**	**1T7426DD**

LED / 6,6W / REFLECTOR / MWFL / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7586**	**1T7587**	**1T7588**	**1T7589**
●	**1T7598**	**1T7599**	**1T7600**	**1T7601**

LED / 6,6W / REFLECTOR / MWFL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7415CA**	**1T7416CA**	**1T7417CA**	**1T7418CA**
●	**1T7427CA**	**1T7428CA**	**1T7429CA**	**1T7430CA**

LED / 6,6W / REFLECTOR / MWFL / ADJUSTABLE DIGITAL DIMMING

Colour	2700K	3000K	3500K	4000K
○	**1T7415DD**	**1T7416DD**	**1T7417DD**	**1T7418DD**
●	**1T7427DD**	**1T7428DD**	**1T7429DD**	**1T7430DD**

LED / 7,5W / REFLECTOR / SP / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7407**	**1T7408**	**1T7409**	**1T7410**
●	**1T7419**	**1T7420**	**1T7421**	**1T7422**

LED / 8,3W / REFLECTOR / FL / ADJUSTABLE

Colour	2700K	3000K	3500K	4000K
○	**1T7411**	**1T7412**	**1T7413**	**1T7414**
●	**1T7423**	**1T7424**	**1T7425**	**1T7426**

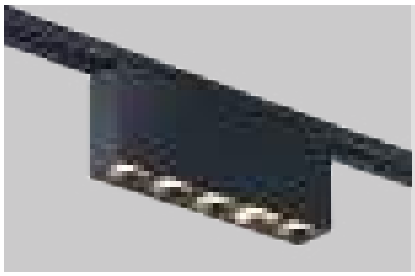
OZ

LED / 8,3W / REFLECTOR / MWFL / ADJUSTABLE

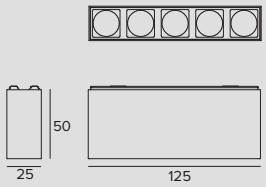
Colour	2700K	3000K	3500K	4000K
○	**1T7415**	**1T7416**	**1T7417**	**1T7418**
●	**1T7427**	**1T7428**	**1T7429**	**1T7430**

LED / 6,8W / DBS / SP-MWFL / ADJUSTABLE CASAMBI

Colour	2700K	3000K	3500K	4000K
○	**1T7968CA**	**1T7964CA**	**1T7972CA**	**1T7976CA**
●	**1T7952CA**	**1T7948CA**	**1T7956CA**	**1T7960CA**



Lighting module Multiple Small 5X 25x125mm



LED / 8,7W / LENS / SP

Version	Colour	2700K	3000K	3500K	4000K
5X STANDARD	○	**1T7441**	**1T7442**	**1T7443**	**1T7444**
5X STANDARD	●	**1T7453**	**1T7454**	**1T7455**	**1T7456**
5X CASAMBI	○	**1T7441CA**	**1T7442CA**	**1T7443CA**	**1T7444CA**
5X CASAMBI	●	**1T7453CA**	**1T7454CA**	**1T7455CA**	**1T7456CA**
5X DIGITAL DIMMING	○	**1T7441DD**	**1T7442DD**	**1T7443DD**	**1T7444DD**
5X DIGITAL DIMMING	●	**1T7453DD**	**1T7454DD**	**1T7455DD**	**1T7456DD**

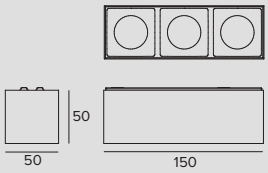
LED / 8,7W / LENS / FL

Version	Colour	2700K	3000K	3500K	4000K
5X STANDARD	○	**1T7445**	**1T7446**	**1T7447**	**1T7448**
5X STANDARD	●	**1T7457**	**1T7458**	**1T7459**	**1T7460**
5X CASAMBI	○	**1T7445CA**	**1T7446CA**	**1T7447CA**	**1T7448CA**
5X CASAMBI	●	**1T7457CA**	**1T7458CA**	**1T7459CA**	**1T7460CA**
5X DIGITAL DIMMING	○	**1T7445DD**	**1T7446DD**	**1T7447DD**	**1T7448DD**
5X DIGITAL DIMMING	●	**1T7457DD**	**1T7458DD**	**1T7459DD**	**1T7460DD**

LED / 8,7W / LENS / MWFL

Version	Colour	2700K	3000K	3500K	4000K
5X STANDARD	○	**1T7449**	**1T7450**	**1T7451**	**1T7452**
5X STANDARD	●	**1T7461**	**1T7462**	**1T7463**	**1T7464**
5X CASAMBI	○	**1T7449CA**	**1T7450CA**	**1T7451CA**	**1T7452CA**
5X CASAMBI	●	**1T7461CA**	**1T7462CA**	**1T7463CA**	**1T7464CA**
5X DIGITAL DIMMING	○	**1T7449DD**	**1T7450DD**	**1T7451DD**	**1T7452DD**
5X DIGITAL DIMMING	●	**1T7461DD**	**1T7462DD**	**1T7463DD**	**1T7464DD**

Lighting module Multiple Large 3X 50x150mm

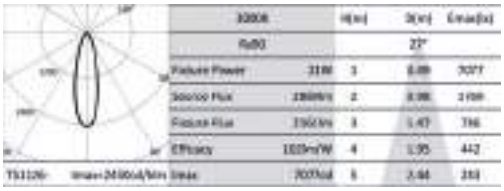


LED / 20W / REFLECTOR / SP

Version	Colour	2700K	3000K	3500K	4000K
3X STANDARD	○	**1T7465**	**1T7466**	**1T7467**	**1T7468**
3X STANDARD	●	**1T7477**	**1T7478**	**1T7479**	**1T7480**
3X CASAMBI	○	**1T7465CA**	**1T7466CA**	**1T7467CA**	**1T7468CA**
3X CASAMBI	●	**1T7477CA**	**1T7478CA**	**1T7479CA**	**1T7480CA**
3X DIGITAL DIMMING	○	**1T7465DD**	**1T7466DD**	**1T7467DD**	**1T7468DD**
3X DIGITAL DIMMING	●	**1T7477DD**	**1T7478DD**	**1T7479DD**	**1T7480DD**

OZ

LED / 20W / REFLECTOR / FL



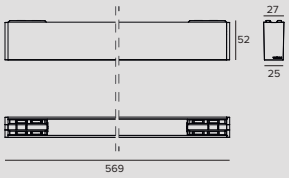
Version	Colour	2700K	3000K	3500K	4000K
3X STANDARD	○	**1T7469**	**1T7470**	**1T7471**	**1T7472**
3X STANDARD	●	**1T7481**	**1T7482**	**1T7483**	**1T7484**
3X CASAMBI	○	**1T7469CA**	**1T7470CA**	**1T7471CA**	**1T7472CA**
3X CASAMBI	●	**1T7481CA**	**1T7482CA**	**1T7483CA**	**1T7484CA**
3X DIGITAL DIMMING	○	**1T7469DD**	**1T7470DD**	**1T7471DD**	**1T7472DD**
3X DIGITAL DIMMING	●	**1T7481DD**	**1T7482DD**	**1T7483DD**	**1T7484DD**

LED / 20W / REFLECTOR / MWFL

Version	Colour	2700K	3000K	3500K	4000K
3X STANDARD	○	**1T7473**	**1T7474**	**1T7475**	**1T7476**
3X STANDARD	●	**1T7485**	**1T7486**	**1T7487**	**1T7488**
3X CASAMBI	○	**1T7473CA**	**1T7474CA**	**1T7475CA**	**1T7476CA**
3X CASAMBI	●	**1T7485CA**	**1T7486CA**	**1T7487CA**	**1T7488CA**
3X DIGITAL DIMMING	○	**1T7473DD**	**1T7474DD**	**1T7475DD**	**1T7476DD**
3X DIGITAL DIMMING	●	**1T7485DD**	**1T7486DD**	**1T7487DD**	**1T7488DD**

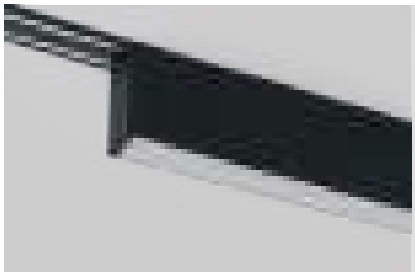
OZ

Lighting module
Linear
L. 569mm

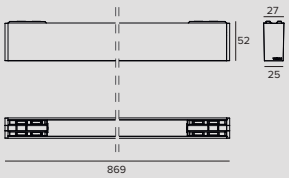


LED / 12W / OPAL

Power supply	Version	Colour	2700K	3000K	3500K	4000K
48Vdc	STANDARD	○	**1T8190**	**1T8191**	**1T8192**	**1T8193**
48Vdc	STANDARD	◐	**1T8194**	**1T8195**	**1T8196**	**1T8197**
48Vdc	CASAMBI	○	**1T8190CA**	**1T8191CA**	**1T8192CA**	**1T8193CA**
48Vdc	CASAMBI	◐	**1T8194CA**	**1T8195CA**	**1T8196CA**	**1T8197CA**
48Vdc	DIGITAL DIMMING	○	**1T8190DD**	**1T8191DD**	**1T8192DD**	**1T8193DD**
48Vdc	DIGITAL DIMMING	◐	**1T8194DD**	**1T8195DD**	**1T8196DD**	**1T8197DD**

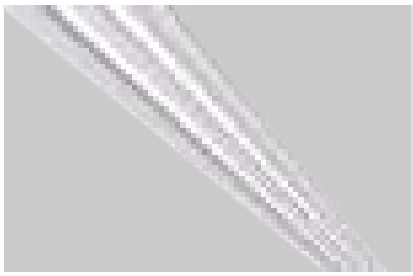


Lighting module
Linear
L. 869mm

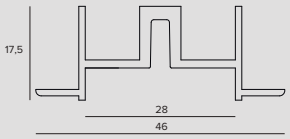


LED / 18W / OPAL

Power supply	Version	Colour	2700K	3000K	3500K	4000K
48Vdc	STANDARD	○	**1T8198**	**1T8199**	**1T8200**	**1T8201**
48Vdc	STANDARD	◐	**1T8202**	**1T8203**	**1T8204**	**1T8205**
48Vdc	CASAMBI	○	**1T8198CA**	**1T8199CA**	**1T8200CA**	**1T8201CA**
48Vdc	CASAMBI	◐	**1T8202CA**	**1T8203CA**	**1T8204CA**	**1T8205CA**
48Vdc	DIGITAL DIMMING	○	**1T8198DD**	**1T8199DD**	**1T8200DD**	**1T8201DD**
48Vdc	DIGITAL DIMMING	◐	**1T8202DD**	**1T8203DD**	**1T8204DD**	**1T8205DD**



Recessed profile for Power Track



HEAD MODULE

Recessed profile for Power Track.
Extruded painted aluminium profile.
For trimless installation or with a flange.
To be completed with Power Track.

Kg	L	Colour	
0.4	1015	○	**1T7495**
0.8	2015	○	**1T7496**
1.2	3015	○	**1T7497**
0.4	1015	●	**1T7498**
0.8	2015	●	**1T7499**
1.2	3015	●	**1T7500**

CENTRAL/END MODULE

Recessed profile for Power Track.
Extruded painted aluminium profile.
For trimless installation or with a flange.
To be completed with Power Track.

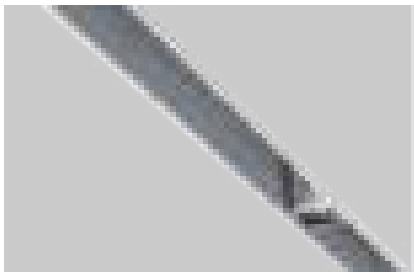
Kg	L	Colour	
0.4	1000	○	**1T7489**
0.8	2000	○	**1T7490**
1.2	3000	○	**1T7491**
0.4	1000	●	**1T7492**
0.8	2000	●	**1T7493**
1.2	3000	●	**1T7494**

Related codes

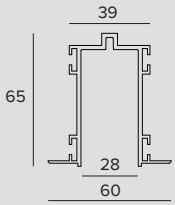
Mounting System

Code
1T7501

Steel bracket for Power Track built-in installation.
2 pieces to be ordered for 1m long modules, 3 pieces for 2m long modules and 4 pieces for 3m long modules.



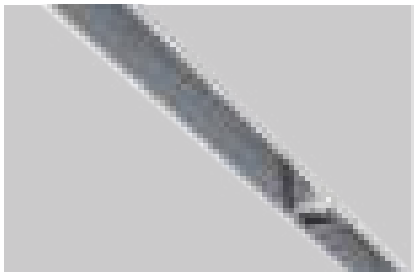
Recessed profile Small



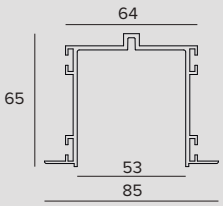
FOR 25x25mm LIGHT MODULES

Extruded painted aluminium profile.
For trimless installation or with a flange.
To be completed with Power Track.

Kg	L	Colour	
1.1	1000	○	**1T7031**
2.2	2000	○	**1T7032**
3.3	3000	○	**1T7033**
1.1	1000	●	**1T7034**
2.2	2000	●	**1T7035**
3.3	3000	●	**1T7036**



Recessed profile Large



FOR 50x50mm LIGHT MODULES

Extruded painted aluminium profile.
For trimless installation or with a flange.
To be completed with Power Track.

Kg	L	Colour	
1.2	1000	○	**1T7067**
2.5	2000	○	**1T7068**
3.7	3000	○	**1T7069**
1.2	1000	●	**1T7070**
2.5	2000	●	**1T7071**
3.7	3000	●	**1T7072**

Related codes

Mounting System

Code
1T7043

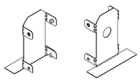
Steel bracket for recessed installation of the small profile.
2 pieces to be ordered for 1m long modules, 3 pieces for 2m long modules and 4 pieces for 3m long modules.

Code
1T7076

Steel bracket for recessed installation of the large profile.
2 pieces to be ordered for 1m long modules, 3 pieces for 2m long modules and 4 pieces for 3m long modules.

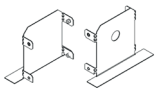
OZ

End Caps



Colour	Code
○	**1T7039**
●	**1T7040**

Kit containing 2 profile end caps.
For small recessed profiles.

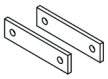


Colour	Code
○	**1T7073**
◐	**1T7074**

Kit containing 2 profile end caps.
For large recessed profiles.

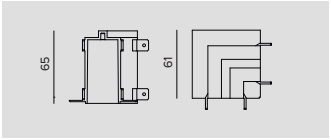
Accessories

Mechanical connector



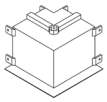
Code
1T7041

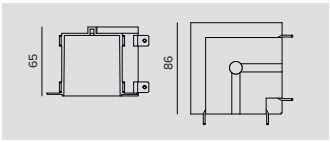
Kit composed of 2 mechanical linear joints and 4 thrust screws.
For trimless installation profile.



Colour	Code
○	**1T7037**
◐	**1T7038**

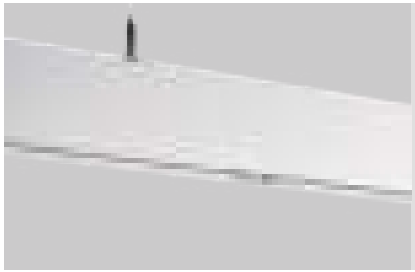
Mechanical L connector.
For small recessed profiles.



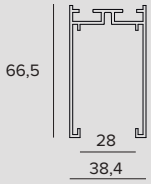


Colour	Code
○	**1T7437**
◐	**1T7438**

Mechanical L connector.
For large recessed profiles.



Ceiling/Suspension installation profile Small



FOR 25x25mm LIGHT MODULES - HEAD MODULE

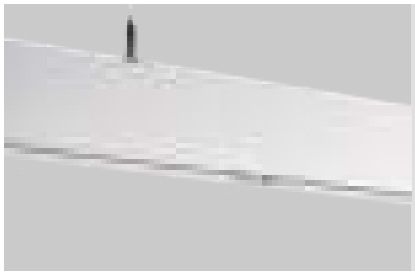
Extruded painted aluminium profile.
For stand-alone installation only used head modules.
For system installation it is necessary to start the configuration with a head module.
For closed configurations it is necessary to order a minimum of two head modules or multiples of two to install back to back.
To be completed with Power Track.

Kg	L	Colour	
0.8	1015	○	**1T7050**
1.7	2015	○	**1T7051**
2.6	3015	○	**1T7052**
0.8	1015	●	**1T7053**
1.7	2015	●	**1T7054**
2.6	3015	●	**1T7055**

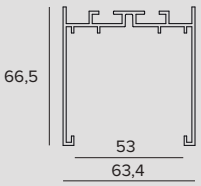
FOR 25x25mm LIGHT MODULES - CENTRAL/END MODULE

Extruded painted aluminium profile.
For stand-alone installation only used head modules.
For system installation it is necessary to start the configuration with a head module.
For closed configurations it is necessary to order a minimum of two head modules or multiples of two to install back to back.
To be completed with Power Track.

Kg	L	Colour	
0.8	1000	○	**1T7044**
1.7	2000	○	**1T7045**
2.6	3000	○	**1T7046**
0.8	1000	●	**1T7047**
1.7	2000	●	**1T7048**
2.6	3000	●	**1T7049**



Ceiling/Suspension installation profile Large



FOR 50x50mm LIGHT MODULES - HEAD MODULE

Extruded painted aluminium profile.
For stand-alone installation only used head modules.
For system installation it is necessary to start the configuration with a head module.
For closed configurations it is necessary to order a minimum of two head modules or multiples of two to install back to back.
To be completed with Power Track.

Kg	L	Colour	
1	1015	○	**1T7083**
2.1	2015	○	**1T7084**
3.1	3015	○	**1T7085**
1	1015	●	**1T7086**
2.1	2015	●	**1T7087**
3.1	3015	●	**1T7088**

OZ

FOR 50x50mm LIGHT MODULES - CENTRAL/END MODULE

Extruded painted aluminium profile.
For stand-alone installation only used head modules.
For system installation it is necessary to start the configuration with a head module.
For closed configurations it is necessary to order a minimum of two head modules or multiples of two to install back to back.
To be completed with Power Track.

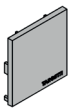
Kg	L	Colour	
1	1000	○	**1T7077**
2.1	2000	○	**1T7078**
3.1	3000	○	**1T7079**
1	1000	◐	**1T7080**
2.1	2000	◐	**1T7081**
3.1	3000	◐	**1T7082**

Related codes

End Caps

Colour	Code
○	**1T7062**
◐	**1T7063**

Kit containing 2 profile end caps.
For small ceiling/suspension mounted profiles.



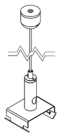
Colour	Code
○	**1T7095**
◐	**1T7096**

Kit containing 2 profile end caps.
For large ceiling/suspension mounted profiles.

Mounting System

Code
1T7065

Ceiling installation kit.
2 pieces to be ordered for 1m long modules, 2 pieces for 2m long modules and 3 pieces for 3m long modules.

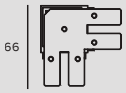


Code
1T7066

Suspension installation kit.
2 pieces to be ordered for 1m long modules, 2 pieces for 2m long modules and 3 pieces for 3m long modules.

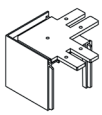
Accessories

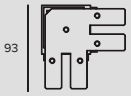
Mechanical connector



Colour	Code
○	**1T7056**
◐	**1T7059**

Mechanical L connector.
For small ceiling/suspension mounted profiles.

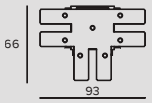




Colour	Code
○	**1T7089**
◐	**1T7092**

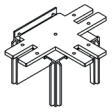
Mechanical L connector.
For large ceiling/suspension mounted profiles.

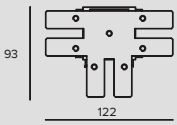
OZ



Colour	Code
○	**1T7057**
●	**1T7060**

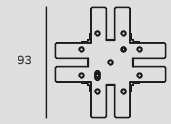
Mechanical T connector.
For small ceiling/suspension mounted profiles.





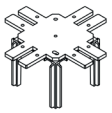
Colour	Code
○	**1T7090**
●	**1T7093**

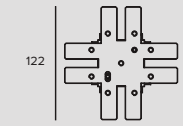
Mechanical T connector.
For large ceiling/suspension mounted profiles.



Colour	Code
○	**1T7058**
●	**1T7061**

Mechanical X connector.
For small ceiling/suspension mounted profiles.





Colour	Code
○	**1T7091**
●	**1T7094**

Mechanical X connector.
For large ceiling/suspension mounted profiles.

Colour	Code
○	**1T7064**
●	**1T7097**

Linear mechanical joint, made of 4 mechanical joints and 4 screws.
For ceiling/suspension installation profile.

Cover Panel

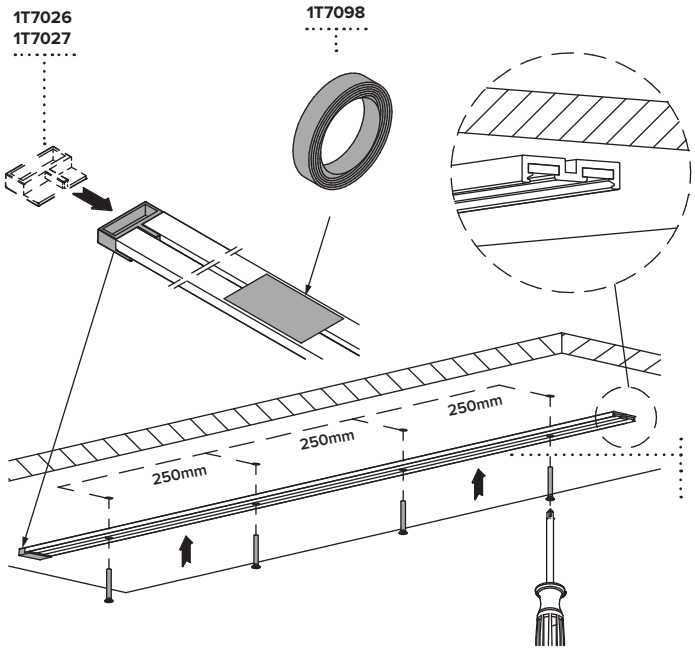
L	Colour	Code
1000	○	**1T9595**
2000	○	**1T9596**
1000	●	**1T9597**
2000	●	**1T9598**

Cover for small profiles for ceiling/suspension installation.

L	Colour	Code
1000	○	**1T9599**
2000	○	**1T9600**
1000	●	**1T9601**
2000	●	**1T9602**

Cover for large profiles for ceiling/suspension installation.

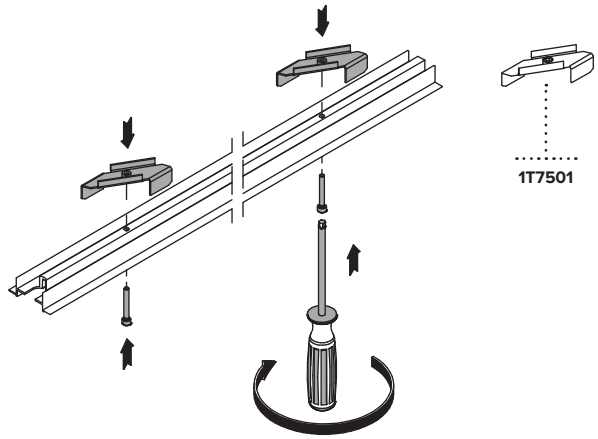
Ceiling installation
Power track

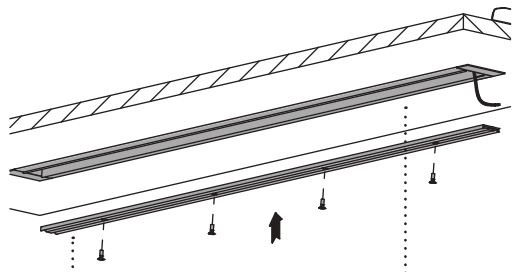


Power Track
1T7431 / 1T7432 / 1T7433
1T7434 / 1T7435 / 1T7436

Recessed installation
Power Track + Profile

Recessed profile for Power Track



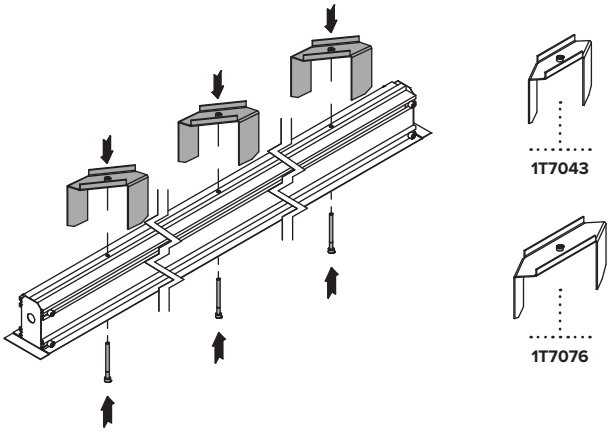


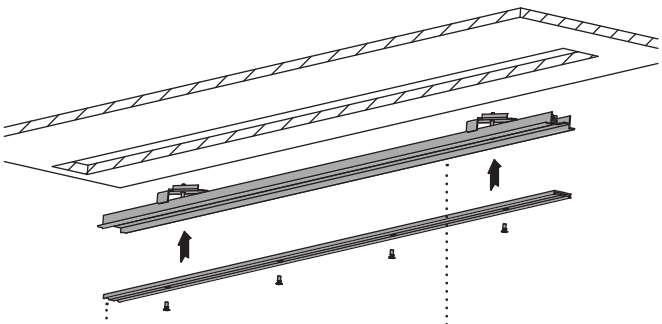
Power Track
1T7431 / 1T7432 / 1T7433
1T7434 / 1T7435 / 1T7436

Small Profile
1T7031 / 1T7032 / 1T7033
1T7034 / 1T7035 / 1T7036

Large Profile
1T7067 / 1T7068 / 1T7069
1T7070 / 1T7071 / 1T7072

Recessed profile

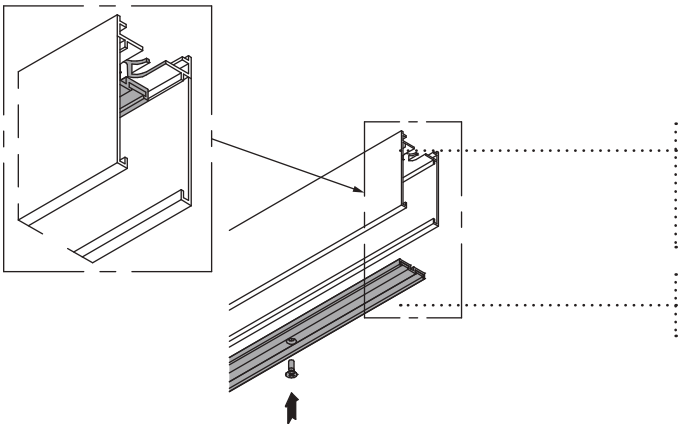




Power Track
1T7431 / 1T7432 / 1T7433
1T7434 / 1T7435 / 1T7436

1T7495 / 1T7496 / 1T7497
1T7498 / 1T7499 / 1T7500
1T7489 / 1T7490 / 1T7491
1T7492 / 1T7493 / 1T7494

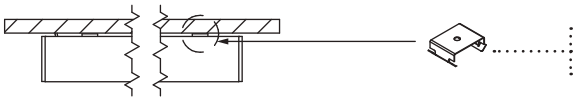
Ceiling / Suspension installation
Power Track + Profile



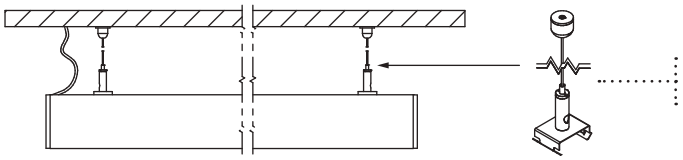
Small Profile
1T7050 / 1T7051 / 1T7052
1T7053 / 1T7054 / 1T7055
1T7044 / 1T7045 / 1T7046
1T7047 / 1T7048 / 1T7049

Large Profile
1T7083 / 1T7084 / 1T7085
1T7086 / 1T7087 / 1T7088
1T7077 / 1T7078 / 1T7079
1T7080 / 1T7081 / 1T7082

Power Track
1T7431 / 1T7432 / 1T7433
1T7434 / 1T7435 / 1T7436

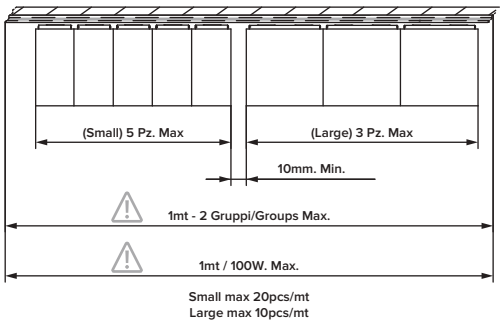


1T7065

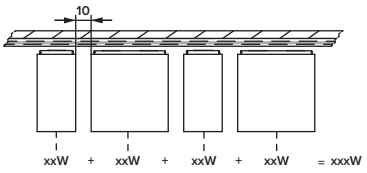


1T7066

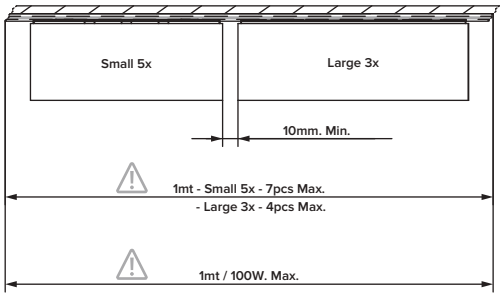
Installation constraints
OZ Lighting module – Single

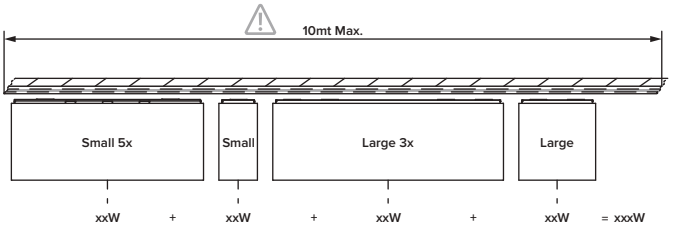


Small max 20pcs/mt
Large max 10pcs/mt

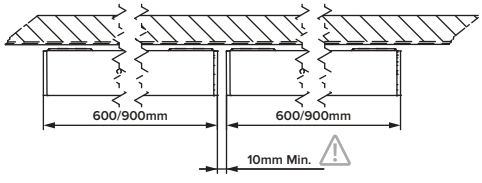


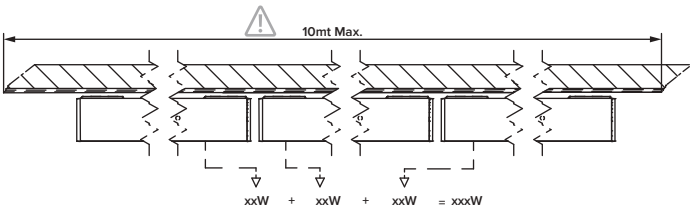
OZ Lighting module – Multiple





OZ Lighting module – Linear





FORTYEIGHT

GENERAL INFO

Track
A modular system with variable lengths to be equipped with projectors and linear light fixtures. The geometry of the track varies on the type of installation (suspension, ceiling or recessed).

Label
Projectors for track installation available in a double version with a short and long bracket depending on the type of installation selected.
Ø23mm – Ø40mm – Ø59mm – Ø74mm

Logico 30
Low voltage linear LED fixture for track installation.
Lenghts: 294mm – 573mm – 1132mm – 1970mm
L Module: 310x310

LED

Label 4, Label 6, Label 7: chip on board Ra90
Label 2: LED emitter Ra90
From 171lm to 2799lm
2700K – 3000K – 4000K
Logico 30: Linear boards Ra90
From 750lm to 5600lm
3000K – 4000K

PRODUCT EFFICACY

Label: up to 107lm/W
Logico 30: up to 77 lm/W

OPTICS

Label: SP – FL – MWFL
Logico 30: Opal

POWER SUPPLY

Electronic – DALI
Casambi control system as an accessory (only for DALI versions).

MATERIAL

Label: Painted extruded aluminium body.
Logico 30: Painted extruded aluminium body

ON DEMAND

Easy Custom Colour

110-277Vac power supply (Label 7)

3500K

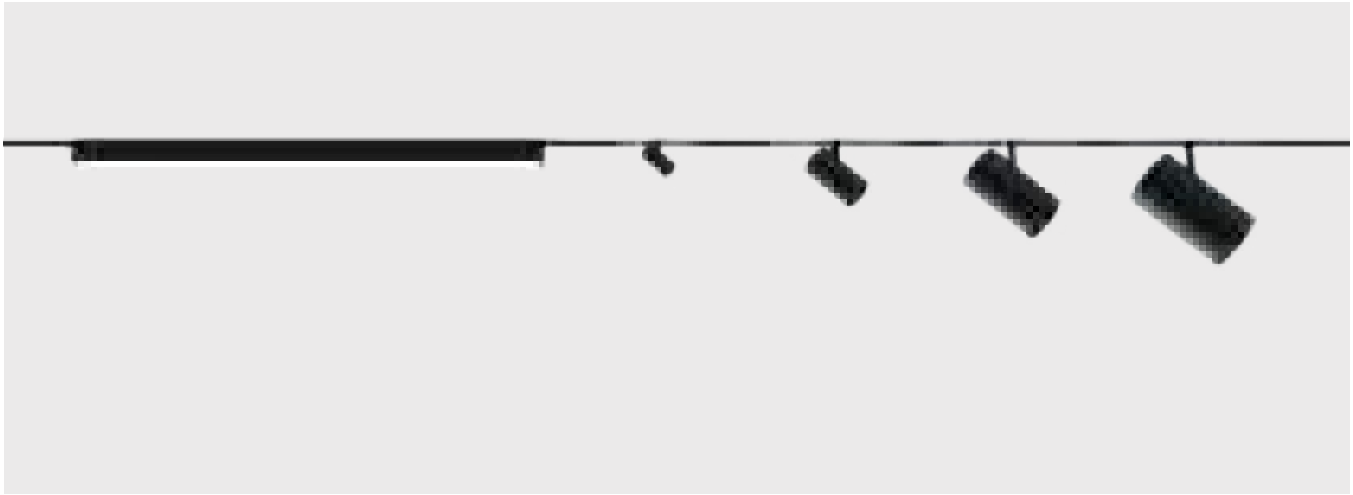
2700K (Logico 30)

A 48V system that can be recessed or deep recessed both with a trimless finish, ceiling or wall and suspension mounted. It can be fitted at any point with linear lighting fixtures due to its simple mechanical fixing system.

The depth of the track is extremely compact: 29mm or 53mm. The new track with a H" section - has a depth of around 29mm.

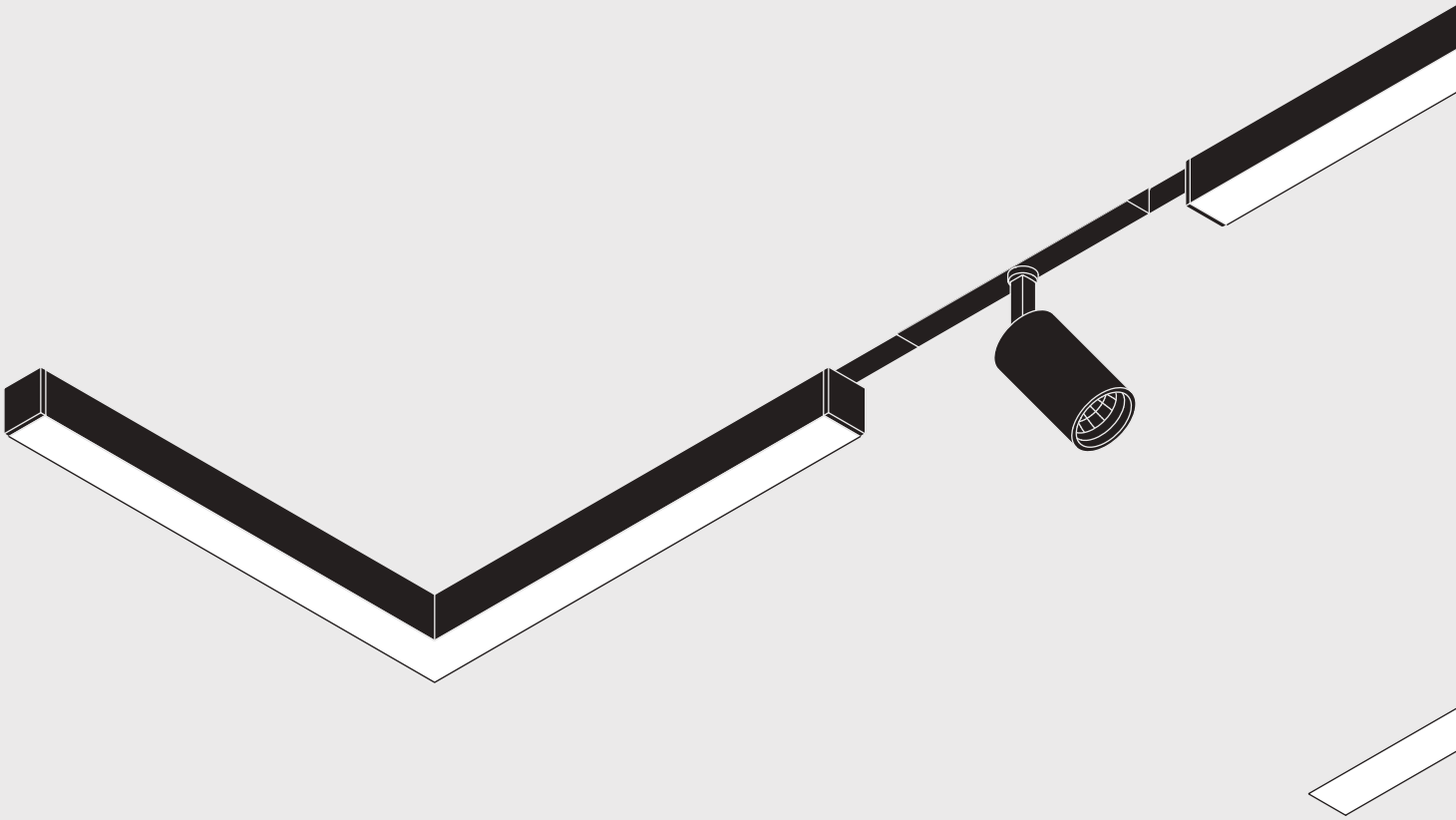
The deep recessed version - trimless deep - must be equipped with Label projectors with long brackets.

		Label 2	Label 4	Label 6	Label 7	Logico 30
		Ø 23mm	Ø 40mm	Ø 59mm	Ø 74mm	
LED	Flux (lm)	171-195	912-1147	1404-1821	2490-2799	750-5600
	Power	2,6W	8W	14W-15W	21W	6W-42W
OPTICS						
SP	Lens	•		•	•	
	Reflector		•	•	•	
FL	Lens	•		•	•	
	Reflector		•	•	•	
MWFL	Lens	•		•	•	
	Reflector		•	•	•	
OPAL	Reflector + screen					•



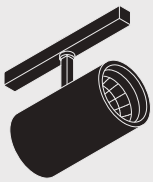
Bally
Milan, Italy

Lighting design Ing. Angelo Iorio,
U&Me Consulting



Light units

Label



Label 7 – Ø74mm

- short arm
- long arm

Label 6 – Ø59mm

- short arm
- long arm

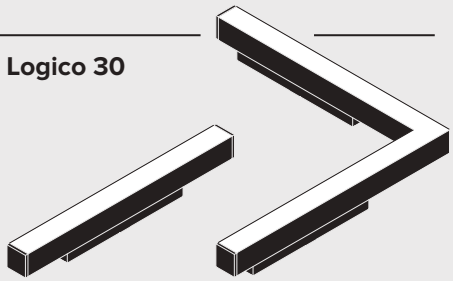
Label 4 – Ø40mm

- short arm
- long arm

Label 2 – Ø23mm

- short arm
- long arm

Logico 30



L=294mm/573mm/
1132mm/1970mm

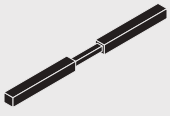
310x310mm

Electrical elements

Electrical connectors

Throug joint

L shaped connector



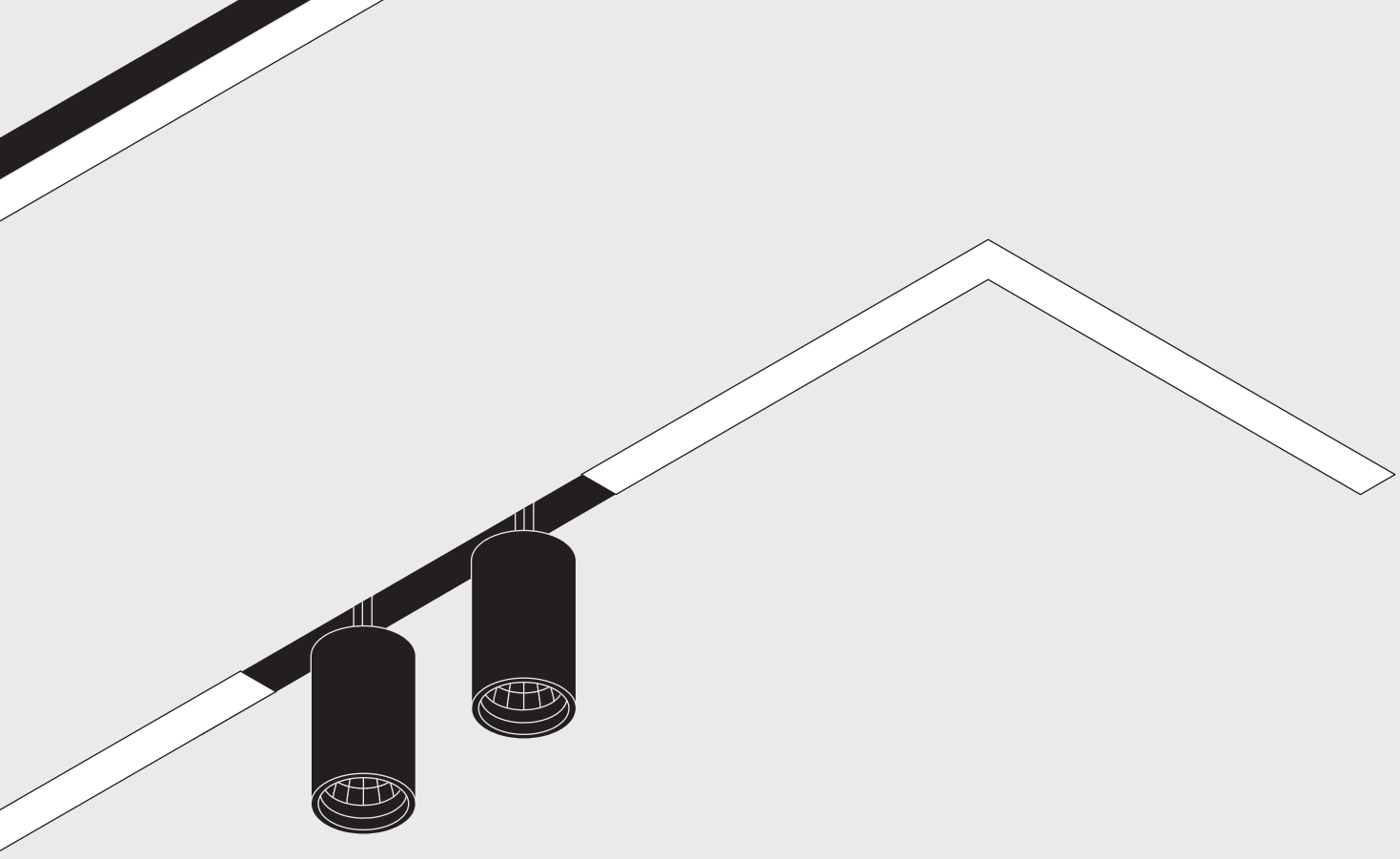
Flexible connector

Power supply

Remote driver

60W • 130W • 210W

Power head



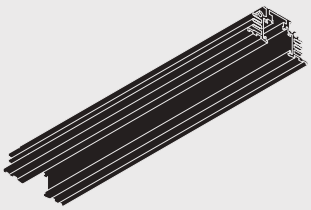
Track

H section*

L=1/2/3m

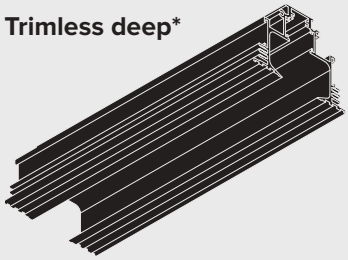
* To be completed with special end caps

Trimless*



L=1/2/3m

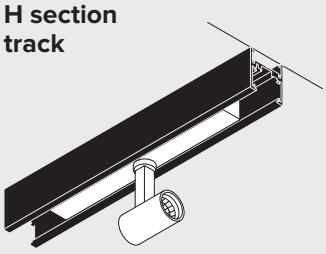
Trimless deep*



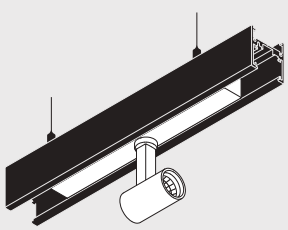
L=1/2/3m

Installation solutions

H section track

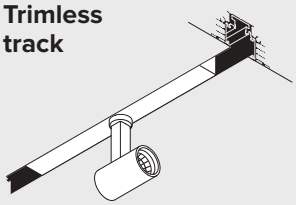


Ceiling



Suspension

Trimless track



Recessed

Trimless deep track

Recessed

Plus

There are two recessed versions both with a trimless finish:

- Simple recessed with a flush system and protruding fixtures
- Deep recessed completely hidden in the ceiling with linear light elements. For this version the projectors have a longer bracket to allow for maximum extraction and adjustability.

Wall mounted installation
For effective easy lighting for example in retail spaces such as shop windows.

Logico 30

Linear modules complete with opaline screens
For a soft and diffused lighting effect equipped with LED 3000K and 4000K sources with Ra90.

The system can be configured in various ways
Thanks to the use of linear joints and the new corner joints that make it possible to create closed and open loops. Available a new corner light module for lines of seamless light.

Optic system with lens

Optic system with reflector

Label 48V

48V projectors available in four sizes

Carefully studied for professional applications in the museum, retail, interior and hotel sectors 48V Label projectors have a simple, essential shape and an extremely compact size. Available in four different sizes all versions have a remote power supply to reduce visual impact to the minimum. Label 2 (Ø23mm), Label 4 (Ø40mm) Label 6 (Ø59mm) and the new Label 7 Ø74mm) are equipped with Ra90 with 2700K, 3000K and 4000K colour temperatures.

Double optical systems

Label 6 and the new Label 7 can be equipped with two different optical systems: with a reflector for soft effects with low visual contrast or with lenses for more defined beams.

Label 2
Ø23mm

Label 4
Ø40mm

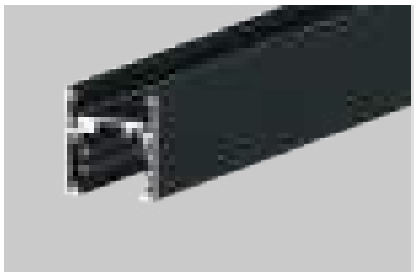
Label 6
Ø59mm

Label 7
Ø74mm

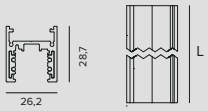
Label 2

The miniature projector in the Label range has a diameter of just 23mm and provides professional performance with an absorption of 4W. Available with three different optical systems equipped with lenses for the SP - FL - MWFL versions with both long and short arms.

FORTYEIGHT

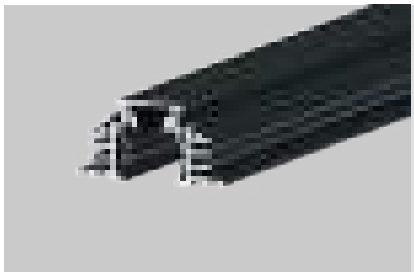


Track H-shaped section ceiling/suspension

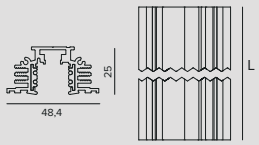


H-SHAPED SECTION

Kg	L	Colour	
0.7	1000	○	**9500-1/W2-ST6-E**
1.4	2000	○	**9500-2/W2-ST6-E**
2.1	3000	○	**9500-3/W2-ST6-E**
0.7	1000	●	**9500-1/B-ST6-E**
1.4	2000	●	**9500-2/B-ST6-E**
2.1	3000	●	**9500-3/B-ST6-E**

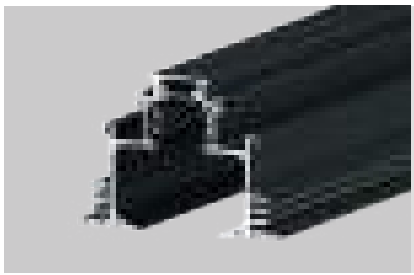


Track trimless recessed

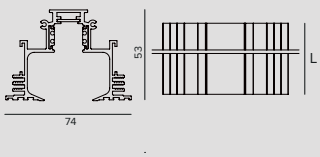


TRIMLESS

Kg	L	Colour	
1.1	1000	○	**9500-1/W2-ST3-E**
2.2	2000	○	**9500-2/W2-ST3-E**
3.4	3000	○	**9500-3/W2-ST3-E**
1.1	1000	●	**9500-1/B-ST3-E**
2.2	2000	●	**9500-2/B-ST3-E**
3.4	3000	●	**9500-3/B-ST3-E**



Track trimless deep recessed



TRIMLESS DEEP

Kg	L	Colour	
1.6	1000	○	**9500-1/W2-TA1**
3.2	2000	○	**9500-2/W2-TA1**
4.8	3000	○	**9500-3/W2-TA1**
1.6	1000	●	**9500-1/B-TA1**
3.2	2000	●	**9500-2/B-TA1**
4.8	3000	●	**9500-3/B-TA1**

FORTYEIGHT

Related codes

End Caps

Colour	Code
○	**9504/ST3-W2**
●	**9504/ST3-B**

End cap for Trimless track.
1X

Colour	Code
○	**1T7171**
●	**1T6801**

End cap for Trimless Deep track.
2X

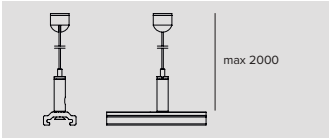
Colour	Code
○	**9504/ST6-W2**
●	**9504/ST6-B**

End cap for H section track.
1X

Colour	Code
○	**9504/ST6-W2-F**
●	**9504/ST6-B-F**

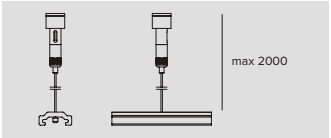
End cap for H section track with a cable feed through hole.
1X

Mounting System



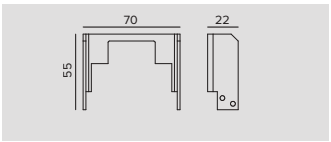
Colour	Code
●	**1T9581**

Suspension installation kit with ABS adjustment on the fixture for H section track.



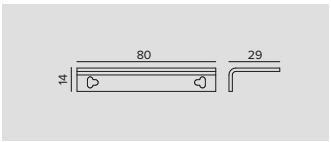
Colour	Code
●	**1T9582**

Suspension kit with ceiling adjustment for H section track.



Code
1T9583

Kit composed of 4 lateral brackets and 2 stiffening brackets for the Trimless Deep track version.



Code
1T9584

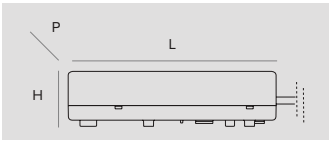
Kit composed of 4 lateral brackets for the Trimless track version.

Colour	Code
○	**S-9500/114-W2**
●	**S-9500/114-B**

Clip for fixing to the ceiling.
For H section track.

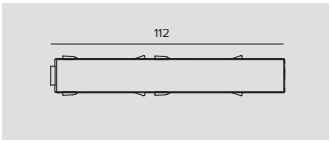
FORTYEIGHT

Power Supply



Dimensions LxHxP	W	IP	Code
225x36x60	60W	IP20	**1T6917EL**
240x49x60	130W	IP20	**1T6916EL**
251x37x90	210W	IP67	**1T7403EL**

48Vdc electronic driver.
1T6917EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 20m - cable 1.5mm^2.
1T6916EL - Single power supply for Electronic, DALI and Casambi systems. Maximum distance 10m - cable 1.5mm^2.
1T7403EL - Universal power supply (110-277V) for Electronic, DALI and Casambi systems. Maximum distance 5m - cable 1.5mm^2.



Colour	Code
○	**9501-S/W-E**
●	**9501-S/B-E**

Power head unpolarised.

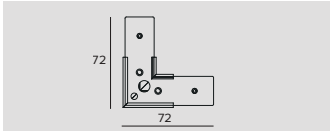
Accessories

Mechanical connector

Colour	Code
○	**S-9500/314-W2**
●	**S-9500/314-B**

Supporting bracket for direct connection for trimless and trimless deep applications.

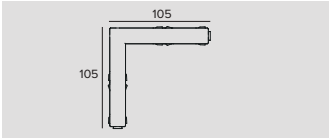
Mechanical connector



Colour	Code
○	**S-9511/W2-ST6**
●	**S-9511/B-ST6**

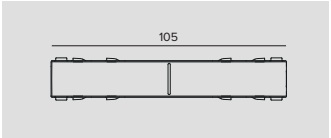
Cover for L connector for H section track.

Electrical Connector



Colour	Code
○	**9511/W-E**
●	**9511/B-E**

Unpolarised L joint for trimless and trimless deep versions and a H section.
For recessed installation the tracks must first be cut to 45°.



Colour	Code
○	**9503-S/W-E**
●	**9503-S/B-E**

Unpolarised through joint.

Colour	Code
○	**9518-S/W-E**
●	**9518-S/B-E**

Non polarised flexible connector.

FORTYEIGHT

Tool

	Code
	S-9000/T

Tool for shearing conductors, to be used if necessary to cut the track during installation.

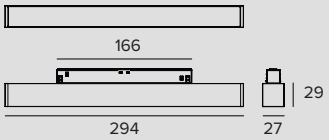
Control systems

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

FORTYEIGHT

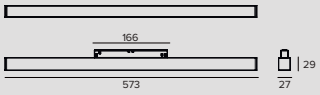
Logico 30
L. 294mm



LED / 6W / OPAL

	Power supply	Version	Colour	3000K	4000K
	48Vdc	EL.	○	**1T6619EL**	**1T6620EL**
	48Vdc	EL.	●	**1T6621EL**	**1T6622EL**
	48Vdc	DALI	○	**1T6619DA**	**1T6620DA**
	48Vdc	DALI	●	**1T6621DA**	**1T6622DA**

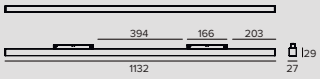
Logico 30
L. 573mm



LED / 12W / OPAL

	Power supply	Version	Colour	3000K	4000K
	48Vdc	EL.	○	**1T6623EL**	**1T6624EL**
	48Vdc	EL.	●	**1T6625EL**	**1T6626EL**
	48Vdc	DALI	○	**1T6623DA**	**1T6624DA**
	48Vdc	DALI	●	**1T6625DA**	**1T6626DA**

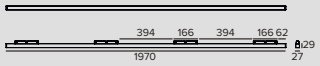
Logico 30
L. 1132mm



LED / 24W / OPAL

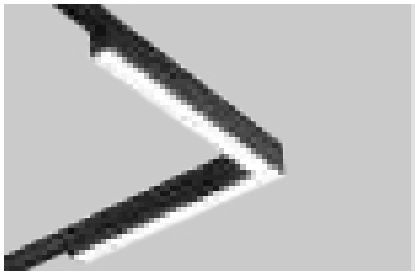
	Power supply	Version	Colour	3000K	4000K
	48Vdc	EL.	○	**1T6627EL**	**1T6628EL**
	48Vdc	EL.	●	**1T6629EL**	**1T6630EL**
	48Vdc	DALI	○	**1T6627DA**	**1T6628DA**
	48Vdc	DALI	●	**1T6629DA**	**1T6630DA**

Logico 30
L. 1970mm

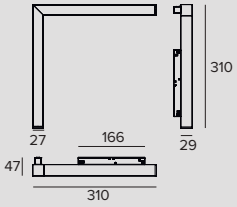


LED / 42W / OPAL

	Power supply	Version	Colour	3000K	4000K
	48Vdc	EL.	○	**1T6631EL**	**1T6632EL**
	48Vdc	EL.	●	**1T6633EL**	**1T6634EL**
	48Vdc	DALI	○	**1T6631DA**	**1T6632DA**
	48Vdc	DALI	●	**1T6633DA**	**1T6634DA**



Logico 30
L light module

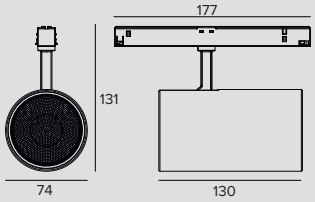


LED / 12W / OPAL

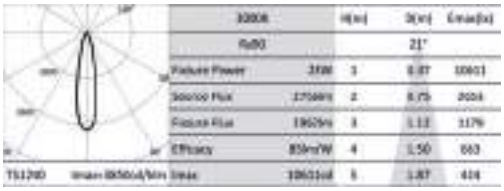
	Power supply	Version	Colour	3000K	4000K
	48Vdc	EL.	○	**1T6635EL**	**1T6636EL**
	48Vdc	EL.	●	**1T6637EL**	**1T6638EL**
	48Vdc	DALI	○	**1T6635DA**	**1T6636DA**
	48Vdc	DALI	●	**1T6637DA**	**1T6638DA**

FORTYEIGHT

Label 7
Short arm

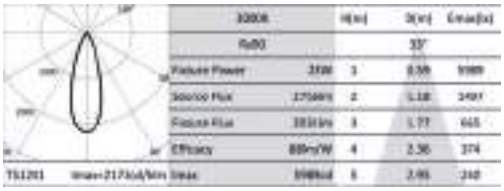


LED / 21W / REFLECTOR / SP



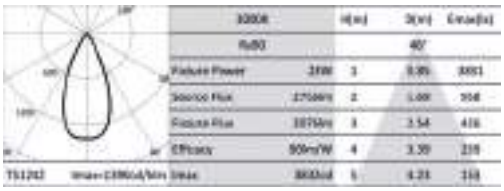
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8049EL**	**1T8050EL**	**1T8051EL**
48Vdc	EL.	●	**1T8052EL**	**1T8053EL**	**1T8054EL**
48Vdc	DALI	○	**1T8049DA**	**1T8050DA**	**1T8051DA**
48Vdc	DALI	●	**1T8052DA**	**1T8053DA**	**1T8054DA**

LED / 21W / REFLECTOR / FL



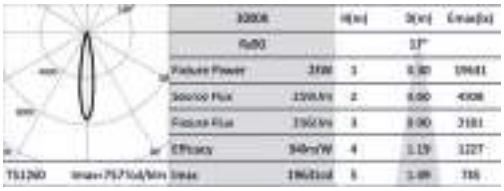
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8055EL**	**1T8056EL**	**1T8057EL**
48Vdc	EL.	●	**1T8058EL**	**1T8059EL**	**1T8060EL**
48Vdc	DALI	○	**1T8055DA**	**1T8056DA**	**1T8057DA**
48Vdc	DALI	●	**1T8058DA**	**1T8059DA**	**1T8060DA**

LED / 21W / REFLECTOR / MWFL



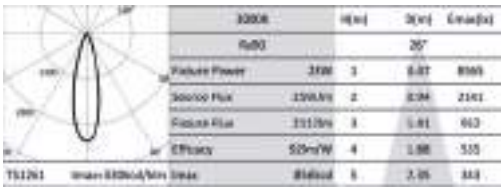
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8061EL**	**1T8062EL**	**1T8063EL**
48Vdc	EL.	●	**1T8064EL**	**1T8065EL**	**1T8066EL**
48Vdc	DALI	○	**1T8061DA**	**1T8062DA**	**1T8063DA**
48Vdc	DALI	●	**1T8064DA**	**1T8065DA**	**1T8066DA**

LED / 21W / LENS / SP



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8067EL**	**1T8068EL**	**1T8069EL**
48Vdc	EL.	●	**1T8070EL**	**1T8071EL**	**1T8072EL**
48Vdc	DALI	○	**1T8067DA**	**1T8068DA**	**1T8069DA**
48Vdc	DALI	●	**1T8070DA**	**1T8071DA**	**1T8072DA**

LED / 21W / LENS / FL



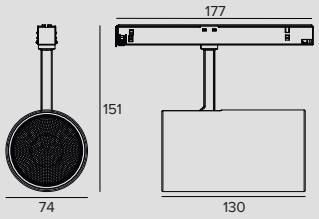
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8073EL**	**1T8074EL**	**1T8075EL**
48Vdc	EL.	●	**1T8076EL**	**1T8077EL**	**1T8078EL**
48Vdc	DALI	○	**1T8073DA**	**1T8074DA**	**1T8075DA**
48Vdc	DALI	●	**1T8076DA**	**1T8077DA**	**1T8078DA**

FORTYEIGHT

LED / 21W / LENS / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8079EL**	**1T8080EL**	**1T8081EL**
48Vdc	EL.	●	**1T8082EL**	**1T8083EL**	**1T8084EL**
48Vdc	DALI	○	**1T8079DA**	**1T8080DA**	**1T8081DA**
48Vdc	DALI	●	**1T8082DA**	**1T8083DA**	**1T8084DA**

Label 7
Long arm



LED / 21W / REFLECTOR / SP

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8100EL**	**1T8101EL**	**1T8102EL**
48Vdc	EL.	●	**1T8103EL**	**1T8104EL**	**1T8105EL**
48Vdc	DALI	○	**1T8100DA**	**1T8101DA**	**1T8102DA**
48Vdc	DALI	●	**1T8103DA**	**1T8104DA**	**1T8105DA**

LED / 21W / REFLECTOR / FL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8106EL**	**1T8107EL**	**1T8108EL**
48Vdc	EL.	●	**1T8109EL**	**1T8110EL**	**1T8111EL**
48Vdc	DALI	○	**1T8106DA**	**1T8107DA**	**1T8108DA**
48Vdc	DALI	●	**1T8109DA**	**1T8110DA**	**1T8111DA**

LED / 21W / REFLECTOR / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8112EL**	**1T8113EL**	**1T8114EL**
48Vdc	EL.	●	**1T8115EL**	**1T8116EL**	**1T8117EL**
48Vdc	DALI	○	**1T8112DA**	**1T8113DA**	**1T8114DA**
48Vdc	DALI	●	**1T8115DA**	**1T8116DA**	**1T8117DA**

LED / 21W / LENS / SP

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8118EL**	**1T8119EL**	**1T8120EL**
48Vdc	EL.	●	**1T8121EL**	**1T8122EL**	**1T8123EL**
48Vdc	DALI	○	**1T8118DA**	**1T8119DA**	**1T8120DA**
48Vdc	DALI	●	**1T8121DA**	**1T8122DA**	**1T8123DA**

FORTYEIGHT

LED / 21W / LENS / FL

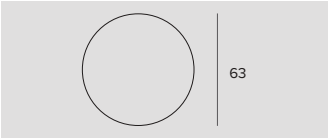
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8124EL**	**1T8125EL**	**1T8126EL**
48Vdc	EL.	◐	**1T8127EL**	**1T8128EL**	**1T8129EL**
48Vdc	DALI	○	**1T8124DA**	**1T8125DA**	**1T8126DA**
48Vdc	DALI	◐	**1T8127DA**	**1T8128DA**	**1T8129DA**

LED / 21W / LENS / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T8130EL**	**1T8131EL**	**1T8132EL**
48Vdc	EL.	◐	**1T8133EL**	**1T8134EL**	**1T8135EL**
48Vdc	DALI	○	**1T8130DA**	**1T8131DA**	**1T8132DA**
48Vdc	DALI	◐	**1T8133DA**	**1T8134DA**	**1T8135DA**

Accessories

Grid



Ø	Code
63	**1T8093**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

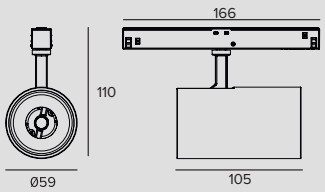
Filter

Ø	Code
63	**1T8094**

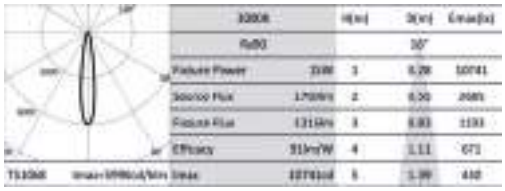
Holographic PMMA filter with blade of light effect.
Allows the beam to be made oval; combined with spot and flood optics the effect appears more pronounced.

FORTYEIGHT

Label 6
Short arm



LED / 14W / REFLECTOR / SP

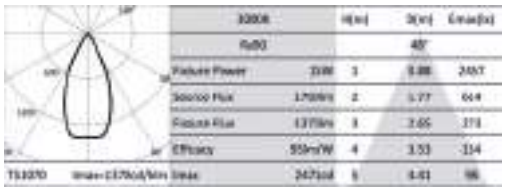


Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6675EL**	**1T6676EL**	**1T6677EL**
48Vdc	EL.	●	**1T6678EL**	**1T6679EL**	**1T6680EL**
48Vdc	DALI	○	**1T6675DA**	**1T6676DA**	**1T6677DA**
48Vdc	DALI	●	**1T6678DA**	**1T6679DA**	**1T6680DA**

LED / 14W / REFLECTOR / FL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6681EL**	**1T6682EL**	**1T6683EL**
48Vdc	EL.	●	**1T6684EL**	**1T6685EL**	**1T6686EL**
48Vdc	DALI	○	**1T6681DA**	**1T6682DA**	**1T6683DA**
48Vdc	DALI	●	**1T6684DA**	**1T6685DA**	**1T6686DA**

LED / 14W / REFLECTOR / MWFL



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6687EL**	**1T6688EL**	**1T6689EL**
48Vdc	EL.	●	**1T6690EL**	**1T6691EL**	**1T6692EL**
48Vdc	DALI	○	**1T6687DA**	**1T6688DA**	**1T6689DA**
48Vdc	DALI	●	**1T6690DA**	**1T6691DA**	**1T6692DA**

LED / 15W / LENS / SP

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9046EL**	**1T9047EL**	**1T9048EL**
48Vdc	EL.	●	**1T9049EL**	**1T9050EL**	**1T9051EL**
48Vdc	DALI	○	**1T9046DA**	**1T9047DA**	**1T9048DA**
48Vdc	DALI	●	**1T9049DA**	**1T9050DA**	**1T9051DA**

LED / 14W / LENS / FL

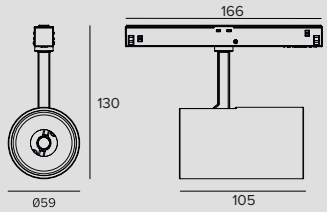
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9052EL**	**1T9053EL**	**1T9054EL**
48Vdc	EL.	●	**1T9055EL**	**1T9056EL**	**1T9057EL**
48Vdc	DALI	○	**1T9052DA**	**1T9053DA**	**1T9054DA**
48Vdc	DALI	●	**1T9055DA**	**1T9056DA**	**1T9057DA**

FORTYEIGHT

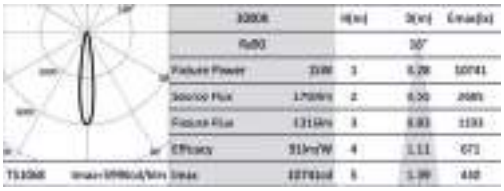
LED / 14W / LENS / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9058EL**	**1T9059EL**	**1T9060EL**
48Vdc	EL.	●	**1T9061EL**	**1T9062EL**	**1T9063EL**
48Vdc	DALI	○	**1T9058DA**	**1T9059DA**	**1T9060DA**
48Vdc	DALI	●	**1T9061DA**	**1T9062DA**	**1T9063DA**

Label 6
Long arm



LED / 14W / REFLECTOR / SP

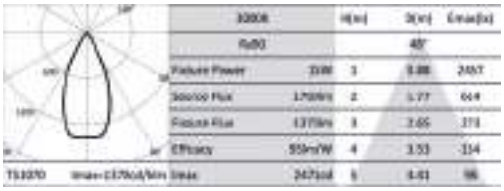


Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6729EL**	**1T6730EL**	**1T6731EL**
48Vdc	EL.	●	**1T6732EL**	**1T6733EL**	**1T6734EL**
48Vdc	DALI	○	**1T6729DA**	**1T6730DA**	**1T6731DA**
48Vdc	DALI	●	**1T6732DA**	**1T6733DA**	**1T6734DA**

LED / 14W / REFLECTOR / FL

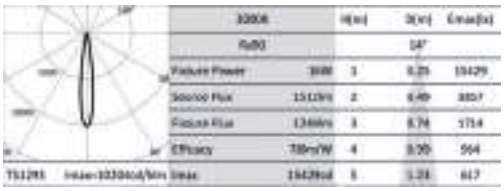
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6735EL**	**1T6736EL**	**1T6737EL**
48Vdc	EL.	●	**1T6738EL**	**1T6739EL**	**1T6740EL**
48Vdc	DALI	○	**1T6735DA**	**1T6736DA**	**1T6737DA**
48Vdc	DALI	●	**1T6738DA**	**1T6739DA**	**1T6740DA**

LED / 14W / REFLECTOR / MWFL



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6741EL**	**1T6742EL**	**1T6743EL**
48Vdc	EL.	●	**1T6744EL**	**1T6745EL**	**1T6746EL**
48Vdc	DALI	○	**1T6741DA**	**1T6742DA**	**1T6743DA**
48Vdc	DALI	●	**1T6744DA**	**1T6745DA**	**1T6746DA**

LED / 15W / LENS / SP



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9064EL**	**1T9065EL**	**1T9066EL**
48Vdc	EL.	●	**1T9067EL**	**1T9068EL**	**1T9069EL**
48Vdc	DALI	○	**1T9064DA**	**1T9065DA**	**1T9066DA**
48Vdc	DALI	●	**1T9067DA**	**1T9068DA**	**1T9069DA**

FORTYEIGHT

LED / 14W / LENS / FL

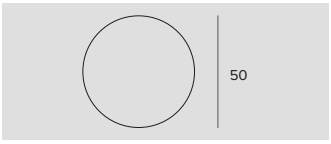
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9070EL**	**1T9071EL**	**1T9072EL**
48Vdc	EL.	●	**1T9073EL**	**1T9074EL**	**1T9075EL**
48Vdc	DALI	○	**1T9070DA**	**1T9071DA**	**1T9072DA**
48Vdc	DALI	●	**1T9073DA**	**1T9074DA**	**1T9075DA**

LED / 14W / LENS / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T9076EL**	**1T9077EL**	**1T9078EL**
48Vdc	EL.	●	**1T9079EL**	**1T9080EL**	**1T9081EL**
48Vdc	DALI	○	**1T9076DA**	**1T9077DA**	**1T9078DA**
48Vdc	DALI	●	**1T9079DA**	**1T9080DA**	**1T9081DA**

Accessories

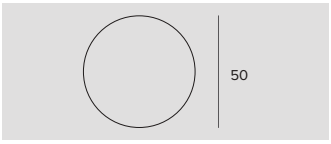
Filter



Ø	Code
50	**1T4721**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid

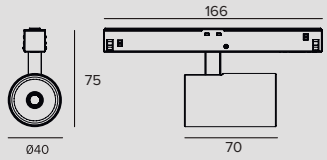


Ø	Code
50	**1T4322**

Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

FORTYEIGHT

Label 4
Short arm



LED / 8W / REFLECTOR / SP

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6657EL**	**1T6658EL**	**1T6659EL**
48Vdc	EL.	●	**1T6660EL**	**1T6661EL**	**1T6662EL**
48Vdc	DALI	○	**1T6657DA**	**1T6658DA**	**1T6659DA**
48Vdc	DALI	●	**1T6660DA**	**1T6661DA**	**1T6662DA**

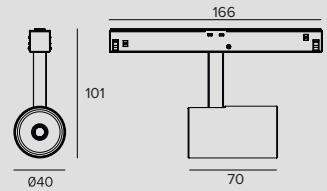
LED / 8W / REFLECTOR / FL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6663EL**	**1T6664EL**	**1T6665EL**
48Vdc	EL.	●	**1T6666EL**	**1T6667EL**	**1T6668EL**
48Vdc	DALI	○	**1T6663DA**	**1T6664DA**	**1T6665DA**
48Vdc	DALI	●	**1T6666DA**	**1T6667DA**	**1T6668DA**

LED / 8W / REFLECTOR / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6669EL**	**1T6670EL**	**1T6671EL**
48Vdc	EL.	●	**1T6672EL**	**1T6673EL**	**1T6674EL**
48Vdc	DALI	○	**1T6669DA**	**1T6670DA**	**1T6671DA**
48Vdc	DALI	●	**1T6672DA**	**1T6673DA**	**1T6674DA**

Label 4
Long arm



LED / 8W / REFLECTOR / SP

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6711EL**	**1T6712EL**	**1T6713EL**
48Vdc	EL.	●	**1T6714EL**	**1T6715EL**	**1T6716EL**
48Vdc	DALI	○	**1T6711DA**	**1T6712DA**	**1T6713DA**
48Vdc	DALI	●	**1T6714DA**	**1T6715DA**	**1T6716DA**

FORTYEIGHT

LED / 8W / REFLECTOR / FL

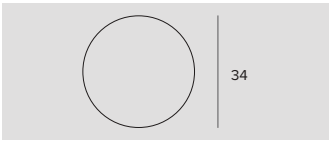
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6717EL**	**1T6718EL**	**1T6719EL**
48Vdc	EL.	●	**1T6720EL**	**1T6721EL**	**1T6722EL**
48Vdc	DALI	○	**1T6717DA**	**1T6718DA**	**1T6719DA**
48Vdc	DALI	●	**1T6720DA**	**1T6721DA**	**1T6722DA**

LED / 8W / REFLECTOR / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6723EL**	**1T6724EL**	**1T6725EL**
48Vdc	EL.	●	**1T6726EL**	**1T6727EL**	**1T6728EL**
48Vdc	DALI	○	**1T6723DA**	**1T6724DA**	**1T6725DA**
48Vdc	DALI	●	**1T6726DA**	**1T6727DA**	**1T6728DA**

Accessories

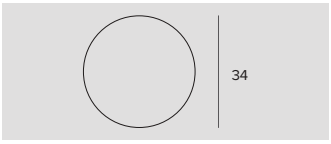
Filter



Ø	Code
34	**1T6931**

PMMA holographic filter with blade effect to ovalize the light beam; more evident when combined with spot and flood optics.

Grid

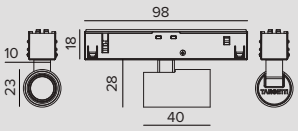


Ø	Code
34	**1T6930**

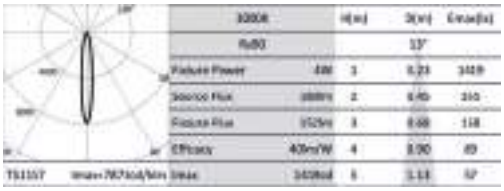
Anti-glare louver.
Black painted metal honeycomb structure.
Complete with holographic diffusion filter.

FORTYEIGHT

Label 2
Short arm



LED / 2,6W / LENS / SP



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6639EL**	**1T6640EL**	**1T6641EL**
48Vdc	EL.	◐	**1T6642EL**	**1T6643EL**	**1T6644EL**
48Vdc	DALI	○	**1T6639DA**	**1T6640DA**	**1T6641DA**
48Vdc	DALI	◐	**1T6642DA**	**1T6643DA**	**1T6644DA**

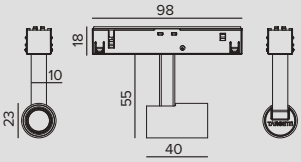
LED / 2,6W / LENS / FL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6645EL**	**1T6646EL**	**1T6647EL**
48Vdc	EL.	◐	**1T6648EL**	**1T6649EL**	**1T6650EL**
48Vdc	DALI	○	**1T6645DA**	**1T6646DA**	**1T6647DA**
48Vdc	DALI	◐	**1T6648DA**	**1T6649DA**	**1T6650DA**

LED / 2,6W / LENS / MWFL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6651EL**	**1T6652EL**	**1T6653EL**
48Vdc	EL.	◐	**1T6654EL**	**1T6655EL**	**1T6656EL**
48Vdc	DALI	○	**1T6651DA**	**1T6652DA**	**1T6653DA**
48Vdc	DALI	◐	**1T6654DA**	**1T6655DA**	**1T6656DA**

Label 2
Long arm



LED / 2,6W / LENS / SP

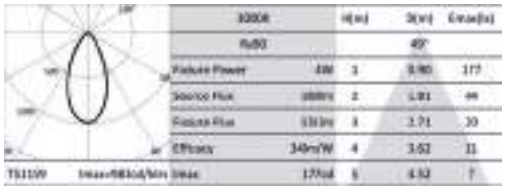
Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6693EL**	**1T6694EL**	**1T6695EL**
48Vdc	EL.	◐	**1T6696EL**	**1T6697EL**	**1T6698EL**
48Vdc	DALI	○	**1T6693DA**	**1T6694DA**	**1T6695DA**
48Vdc	DALI	◐	**1T6696DA**	**1T6697DA**	**1T6698DA**

FORTYEIGHT

LED / 2,6W / LENS / FL

Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6699EL**	**1T6700EL**	**1T6701EL**
48Vdc	EL.	●	**1T6702EL**	**1T6703EL**	**1T6704EL**
48Vdc	DALI	○	**1T6699DA**	**1T6700DA**	**1T6701DA**
48Vdc	DALI	●	**1T6702DA**	**1T6703DA**	**1T6704DA**

LED / 2,6W / LENS / MWFL



Power supply	Version	Colour	2700K	3000K	4000K
48Vdc	EL.	○	**1T6705EL**	**1T6706EL**	**1T6707EL**
48Vdc	EL.	●	**1T6708EL**	**1T6709EL**	**1T6710EL**
48Vdc	DALI	○	**1T6705DA**	**1T6706DA**	**1T6707DA**
48Vdc	DALI	●	**1T6708DA**	**1T6709DA**	**1T6710DA**

Accessories

Filter

	Ø	Code
	17	**1T6939**

Holographic PMMA filter with blade of light effect.
Allows the beam to be made oval; combined with spot and flood optics the effect appears more pronounced.

LOGICO

System

GENERAL INFO
Modules of variable lengths for ceiling, suspension, recessed and semi-recessed installations.
Recessed versions with a flange or trimless.
Lenghts:
281mm - 562mm – 1122mm – 1682mm – 3364mm

LED
Linear Board LED Engine for linear and SPOT versions
LED COB for LABEL versions
From 982lm to 28960lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 109lm/W

OPTICS
OPAL – UGR – WW - SP - FL - MWFL

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Powder coated, extruded, calendered aluminium.

ON DEMAND

Tunable White (continuous light module)

110-277Vac power supply

Modular lighting system with which it is possible to create luminous shapes and numerous lighting scenes given the different lengths available and T, L, and X light connectors and high-power or low-power lumen on modules of the same length.

It is made up of many lighting units: diffused light, UGR<19 controlled light suitable for the workplace (EN-12464 - L65<3000 cd/m^2), wall washer and the new spotlight modules with Label 4 and Label 6 projectors.
The accessories allow it to be installed on the ceiling, walls, suspended, recessed, or semi-recessed (with or without flange).

Also available in a stand alone version.

Emergency versions available on request after checking feasibility.

Zonamerica
Montevideo, Uruguay

Architect Estudio Dovat Arquitectos
Lighting Design Estudio Hofstadter

Photographer Ferrés - Cánepa

Plus

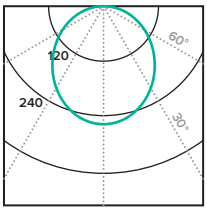
Easy to assemble

Each module is already complete with the lighting unit. Modules with linear light snap together or use magnets, so no tools are needed. The new modules with spotlights already have built-in projectors or lighting elements.

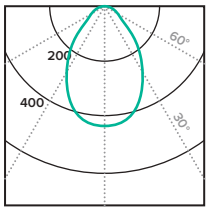
Dimmer light

The Logico modules (opal, ugr, asy, Label) equipped with DALI driver can be dimmed from 10% to 100% with AM modulation amplitude. Dimming is done by modifying the piloting current and not by turning the LEDs on and off. This prevents flickering and makes it suitable for installation even where videos are recorded.

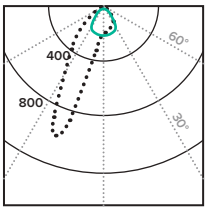
10% 100%



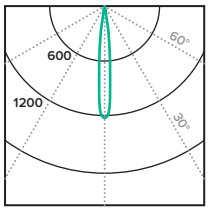
Opal



Ugr<19



Wall Washer

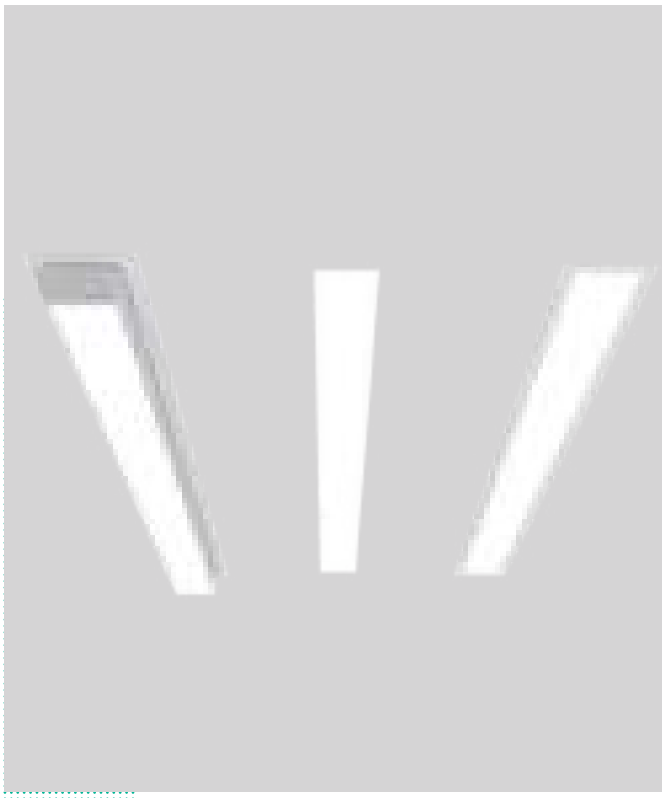


Spot Ugr<7

Four different optical systems

- Diffused light with an opal screen: a soft, wide light emission particularly suitable for receptions and communal areas, corridors, etc...
- Controlled light UGR<19 (EN-12464 - L65<3000 cd/m^2) with a prismatic screen (only for the direct component): ideal for open space offices, schools or meeting rooms where glare must be reduced to a minimum.
- Directed light with a Wall Washer optical system: ideal for lighting vertical surfaces like walls or works of art.
- Precise light where a system composed of micro lenses produces precise and focused SPOT effects with UGR<7, ideal for lighting commercial and hotel environments.

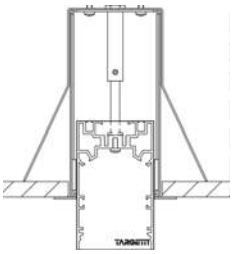
Plus

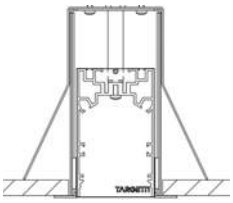


A **Logico trimless recessed**
It can be installed recessed or semi-recessed using the same recessing box that can be left with the flange visible or grouted for a trimless effect.

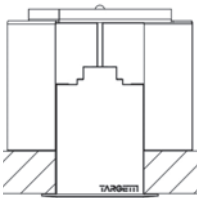
B **Logico recessed with flange**
It can be installed without an outer casing using the brackets supplied. Semi-recessed installation is not available.

A





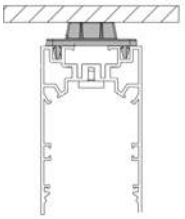
B



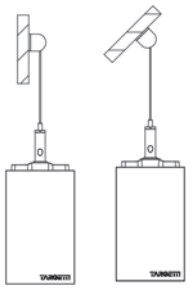
C **Ceiling installation**
The modules must be fixed to the ceiling with the special accessory brackets. The springs are attached to the modules in a “click” by applying pressure.

D **Suspended also on sloping ceilings**
The suspension kit allows installation even on tilted ceilings or on vertical elements.

C



D

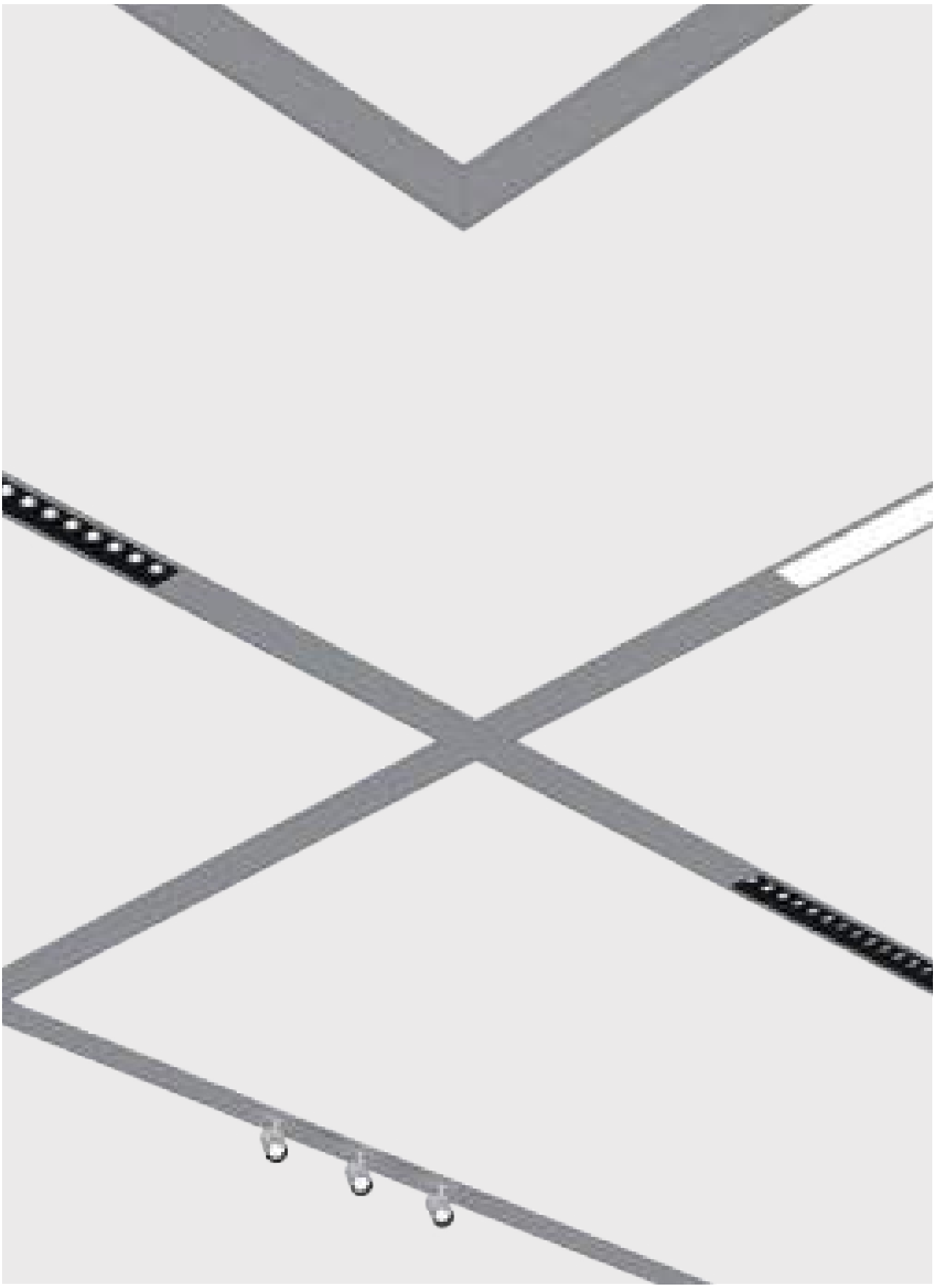


Plus

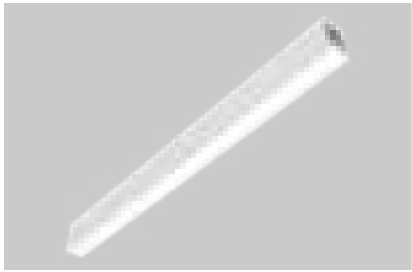
Label modules
Modules equipped with Label 4 or Label 6 projectors, available with spotlights, floodlights, and medium wide floodlights.

Spot modules
Logico is also available with the new Spot modules with LED Lineare High Power card and optical system made up of TIR lenses in optical methacrylate, holographic filter and black polycarbonate frame (the profile finish also comes in white). The result is a highly concentrated and controlled light for scenic effects UGR<7 (EN 12464-1)

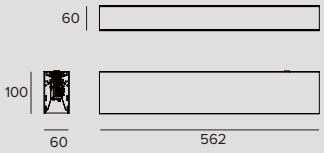
Blind modules
Blind modules to create a continuous system that connects the spaces between them without interruption. Joints without a light unit are also available to guarantee infinite compositional solutions.



LOGICO



System
Ceiling/Suspension
Continuous light module
L. 562mm



LED / 12W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6027EL**	**1T6028EL**
	EL.	◐	**1T6031EL**	**1T6032EL**
	EL.	●	**1T6035EL**	**1T6036EL**
	DALI	○	**1T6027DA**	**1T6028DA**
	DALI	◐	**1T6031DA**	**1T6032DA**
	DALI	●	**1T6035DA**	**1T6036DA**

LED / 24W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T6029EL**	**1T6030EL**
	EL.	◐	**1T6033EL**	**1T6034EL**
	EL.	●	**1T6037EL**	**1T6038EL**
	DALI	○	**1T6029DA**	**1T6030DA**
	DALI	◐	**1T6033DA**	**1T6034DA**
	DALI	●	**1T6037DA**	**1T6038DA**

LED / 8W / DOWN UGR

	Driver	Colour	3000K	4000K
	EL.	○	**1T6825EL**	**1T6826EL**
	EL.	◐	**1T6827EL**	**1T6828EL**
	EL.	●	**1T6829EL**	**1T6830EL**
	DALI	○	**1T6825DA**	**1T6826DA**
	DALI	◐	**1T6827DA**	**1T6828DA**
	DALI	●	**1T6829DA**	**1T6830DA**

LED / 12W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	○	**1T6837EL**	**1T6838EL**
	EL.	◐	**1T6839EL**	**1T6840EL**
	EL.	●	**1T6841EL**	**1T6842EL**
	DALI	○	**1T6837DA**	**1T6838DA**
	DALI	◐	**1T6839DA**	**1T6840DA**
	DALI	●	**1T6841DA**	**1T6842DA**

LED / 24W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	○	**1T6843EL**	**1T6844EL**
	EL.	◐	**1T6845EL**	**1T6846EL**
	EL.	●	**1T6847EL**	**1T6848EL**
	DALI	○	**1T6843DA**	**1T6844DA**
	DALI	◐	**1T6845DA**	**1T6846DA**
	DALI	●	**1T6847DA**	**1T6848DA**

LOGICO

LED / 18W / UP-DOWN OPAL

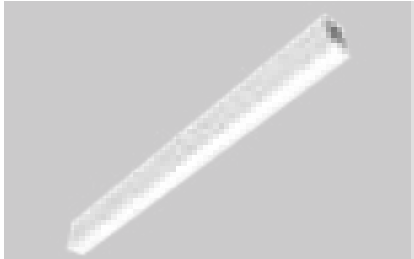
Driver	Colour	3000K	4000K
EL.	○	**1T6039EL**	**1T6040EL**
EL.	●	**1T6043EL**	**1T6044EL**
EL.	◍	**1T6047EL**	**1T6048EL**
DALI	○	**1T6039DA**	**1T6040DA**
DALI	●	**1T6043DA**	**1T6044DA**
DALI	◍	**1T6047DA**	**1T6048DA**

LED / 30W / UP-DOWN OPAL

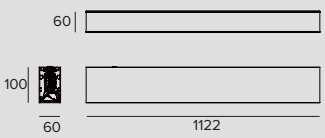
Driver	Colour	3000K	4000K
EL.	○	**1T6041EL**	**1T6042EL**
EL.	●	**1T6045EL**	**1T6046EL**
EL.	◍	**1T6049EL**	**1T6050EL**
DALI	○	**1T6041DA**	**1T6042DA**
DALI	●	**1T6045DA**	**1T6046DA**
DALI	◍	**1T6049DA**	**1T6050DA**

LED / 12W / UP-DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6831EL**	**1T6832EL**
EL.	●	**1T6833EL**	**1T6834EL**
EL.	◍	**1T6835EL**	**1T6836EL**
DALI	○	**1T6831DA**	**1T6832DA**
DALI	●	**1T6833DA**	**1T6834DA**
DALI	◍	**1T6835DA**	**1T6836DA**



System
Ceiling/Suspension
Continuous light module
L. 1122mm



LED / 24W / DOWN OPAL

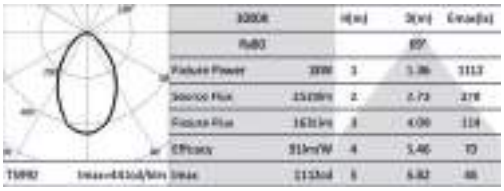
Driver	Colour	3000K	4000K
EL.	○	**1T5635EL**	**1T5636EL**
EL.	●	**1T5639EL**	**1T5640EL**
EL.	◍	**1T5637EL**	**1T5638EL**
DALI	○	**1T5635DA**	**1T5636DA**
DALI	●	**1T5639DA**	**1T5640DA**
DALI	◍	**1T5637DA**	**1T5638DA**

LED / 48W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5641EL**	**1T5642EL**
EL.	●	**1T5645EL**	**1T5646EL**
EL.	◍	**1T5643EL**	**1T5644EL**
DALI	○	**1T5641DA**	**1T5642DA**
DALI	●	**1T5645DA**	**1T5646DA**
DALI	◍	**1T5643DA**	**1T5644DA**

LOGICO

LED / 16W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5659EL**	**1T5660EL**
EL.	◐	**1T5663EL**	**1T5664EL**
EL.	●	**1T5661EL**	**1T5662EL**
DALI	○	**1T5659DA**	**1T5660DA**
DALI	◐	**1T5663DA**	**1T5664DA**
DALI	●	**1T5661DA**	**1T5662DA**

LED / 24W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5671EL**	**1T5672EL**
EL.	◐	**1T5675EL**	**1T5676EL**
EL.	●	**1T5673EL**	**1T5674EL**
DALI	○	**1T5671DA**	**1T5672DA**
DALI	◐	**1T5675DA**	**1T5676DA**
DALI	●	**1T5673DA**	**1T5674DA**

LED / 48W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5677EL**	**1T5678EL**
EL.	◐	**1T5681EL**	**1T5682EL**
EL.	●	**1T5679EL**	**1T5680EL**
DALI	○	**1T5677DA**	**1T5678DA**
DALI	◐	**1T5681DA**	**1T5682DA**
DALI	●	**1T5679DA**	**1T5680DA**

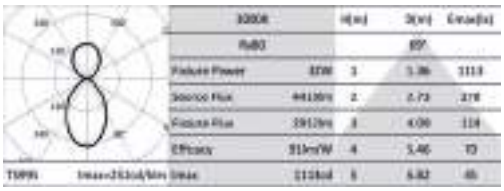
LED / 42W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5647EL**	**1T5648EL**
EL.	◐	**1T5651EL**	**1T5652EL**
EL.	●	**1T5649EL**	**1T5650EL**
DALI	○	**1T5647DA**	**1T5648DA**
DALI	◐	**1T5651DA**	**1T5652DA**
DALI	●	**1T5649DA**	**1T5650DA**

LED / 66W / UP-DOWN OPAL

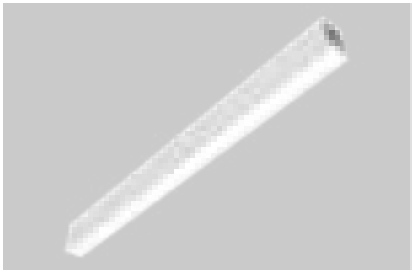
Driver	Colour	3000K	4000K
EL.	○	**1T5653EL**	**1T5654EL**
EL.	◐	**1T5657EL**	**1T5658EL**
EL.	●	**1T5655EL**	**1T5656EL**
DALI	○	**1T5653DA**	**1T5654DA**
DALI	◐	**1T5657DA**	**1T5658DA**
DALI	●	**1T5655DA**	**1T5656DA**

LED / 28W / UP-DOWN UGR

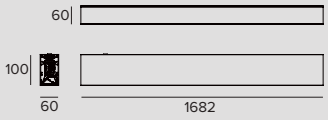


Driver	Colour	3000K	4000K
EL.	○	**1T5665EL**	**1T5666EL**
EL.	◐	**1T5669EL**	**1T5670EL**
EL.	●	**1T5667EL**	**1T5668EL**
DALI	○	**1T5665DA**	**1T5666DA**
DALI	◐	**1T5669DA**	**1T5670DA**
DALI	●	**1T5667DA**	**1T5668DA**

LOGICO



System
Ceiling/Suspension
Continuous light module
L. 1682mm



LED / 36W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5683EL**	**1T5684EL**
EL.	●	**1T5687EL**	**1T5688EL**
EL.	◐	**1T5685EL**	**1T5686EL**
DALI	○	**1T5683DA**	**1T5684DA**
DALI	●	**1T5687DA**	**1T5688DA**
DALI	◐	**1T5685DA**	**1T5686DA**

LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5689EL**	**1T5690EL**
EL.	●	**1T5693EL**	**1T5694EL**
EL.	◐	**1T5691EL**	**1T5692EL**
DALI	○	**1T5689DA**	**1T5690DA**
DALI	●	**1T5693DA**	**1T5694DA**
DALI	◐	**1T5691DA**	**1T5692DA**

LED / 24W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5707EL**	**1T5708EL**
EL.	●	**1T5711EL**	**1T5712EL**
EL.	◐	**1T5709EL**	**1T5710EL**
DALI	○	**1T5707DA**	**1T5708DA**
DALI	●	**1T5711DA**	**1T5712DA**
DALI	◐	**1T5709DA**	**1T5710DA**

LED / 36W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5719EL**	**1T5720EL**
EL.	●	**1T5723EL**	**1T5724EL**
EL.	◐	**1T5721EL**	**1T5722EL**
DALI	○	**1T5719DA**	**1T5720DA**
DALI	●	**1T5723DA**	**1T5724DA**
DALI	◐	**1T5721DA**	**1T5722DA**

LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5725EL**	**1T5726EL**
EL.	●	**1T5729EL**	**1T5730EL**
EL.	◐	**1T5727EL**	**1T5728EL**
DALI	○	**1T5725DA**	**1T5726DA**
DALI	●	**1T5729DA**	**1T5730DA**
DALI	◐	**1T5727DA**	**1T5728DA**

LOGICO

LED / 60W / UP-DOWN OPAL

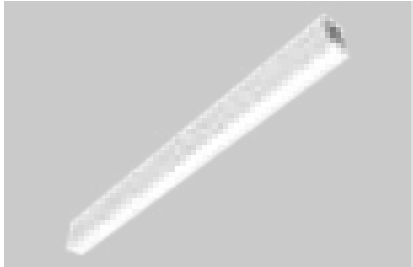
Driver	Colour	3000K	4000K
EL.	○	**1T5695EL**	**1T5696EL**
EL.	◐	**1T5699EL**	**1T5700EL**
EL.	◍	**1T5697EL**	**1T5698EL**
DALI	○	**1T5695DA**	**1T5696DA**
DALI	◐	**1T5699DA**	**1T5700DA**
DALI	◍	**1T5697DA**	**1T5698DA**

LED / 96W / UP-DOWN OPAL

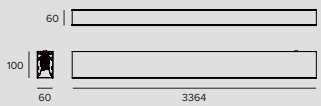
Driver	Colour	3000K	4000K
EL.	○	**1T5701EL**	**1T5702EL**
EL.	◐	**1T5705EL**	**1T5706EL**
EL.	◍	**1T5703EL**	**1T5704EL**
DALI	○	**1T5701DA**	**1T5702DA**
DALI	◐	**1T5705DA**	**1T5706DA**
DALI	◍	**1T5703DA**	**1T5704DA**

LED / 40W / UP-DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5713EL**	**1T5714EL**
EL.	◐	**1T5717EL**	**1T5718EL**
EL.	◍	**1T5715EL**	**1T5716EL**
DALI	○	**1T5713DA**	**1T5714DA**
DALI	◐	**1T5717DA**	**1T5718DA**
DALI	◍	**1T5715DA**	**1T5716DA**



System
Ceiling/Suspension
Continuous light module
L. 3364mm



LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5731EL**	**1T5732EL**
EL.	◐	**1T5735EL**	**1T5736EL**
EL.	◍	**1T5733EL**	**1T5734EL**
DALI	○	**1T5731DA**	**1T5732DA**
DALI	◐	**1T5735DA**	**1T5736DA**
DALI	◍	**1T5733DA**	**1T5734DA**

LED / 144W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5737EL**	**1T5738EL**
EL.	◐	**1T5741EL**	**1T5742EL**
EL.	◍	**1T5739EL**	**1T5740EL**
DALI	○	**1T5737DA**	**1T5738DA**
DALI	◐	**1T5741DA**	**1T5742DA**
DALI	◍	**1T5739DA**	**1T5740DA**

LOGICO

LED / 48W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5755EL**	**1T5756EL**
EL.	●	**1T5759EL**	**1T5760EL**
EL.	◍	**1T5757EL**	**1T5758EL**
DALI	○	**1T5755DA**	**1T5756DA**
DALI	●	**1T5759DA**	**1T5760DA**
DALI	◍	**1T5757DA**	**1T5758DA**

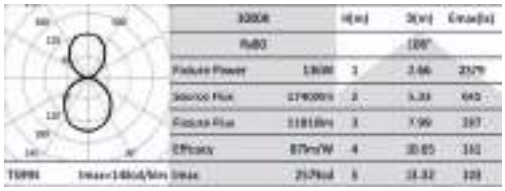
LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5767EL**	**1T5768EL**
EL.	●	**1T5771EL**	**1T5772EL**
EL.	◍	**1T5769EL**	**1T5770EL**
DALI	○	**1T5767DA**	**1T5768DA**
DALI	●	**1T5771DA**	**1T5772DA**
DALI	◍	**1T5769DA**	**1T5770DA**

LED / 144W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5773EL**	**1T5774EL**
EL.	●	**1T5777EL**	**1T5778EL**
EL.	◍	**1T5775EL**	**1T5776EL**
DALI	○	**1T5773DA**	**1T5774DA**
DALI	●	**1T5777DA**	**1T5778DA**
DALI	◍	**1T5775DA**	**1T5776DA**

LED / 120W / UP-DOWN OPAL



Driver	Colour	3000K	4000K
EL.	○	**1T5743EL**	**1T5744EL**
EL.	●	**1T5747EL**	**1T5748EL**
EL.	◍	**1T5745EL**	**1T5746EL**
DALI	○	**1T5743DA**	**1T5744DA**
DALI	●	**1T5747DA**	**1T5748DA**
DALI	◍	**1T5745DA**	**1T5746DA**

LED / 192W / UP-DOWN OPAL

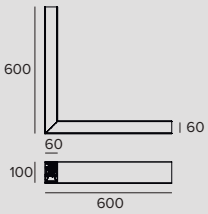
Driver	Colour	3000K	4000K
EL.	○	**1T5749EL**	**1T5750EL**
EL.	●	**1T5753EL**	**1T5754EL**
EL.	◍	**1T5751EL**	**1T5752EL**
DALI	○	**1T5749DA**	**1T5750DA**
DALI	●	**1T5753DA**	**1T5754DA**
DALI	◍	**1T5751DA**	**1T5752DA**

LED / 80W / UP-DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5761EL**	**1T5762EL**
EL.	●	**1T5765EL**	**1T5766EL**
EL.	◍	**1T5763EL**	**1T5764EL**
DALI	○	**1T5761DA**	**1T5762DA**
DALI	●	**1T5765DA**	**1T5766DA**
DALI	◍	**1T5763DA**	**1T5764DA**

LOGICO

System
Ceiling/Suspension
Continuous light module
L connector



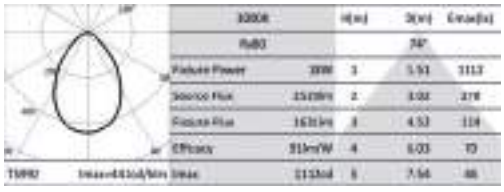
LED / 24W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T5976EL**	**1T5977EL**
	EL.	◐	**1T5980EL**	**1T5981EL**
	EL.	◑	**1T5984EL**	**1T5985EL**
	DALI	○	**1T5976DA**	**1T5977DA**
	DALI	◐	**1T5980DA**	**1T5981DA**
	DALI	◑	**1T5984DA**	**1T5985DA**

LED / 48W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	○	**1T5978EL**	**1T5979EL**
	EL.	◐	**1T5982EL**	**1T5983EL**
	EL.	◑	**1T5986EL**	**1T5987EL**
	DALI	○	**1T5978DA**	**1T5979DA**
	DALI	◐	**1T5982DA**	**1T5983DA**
	DALI	◑	**1T5986DA**	**1T5987DA**

LED / 16W / DOWN UGR

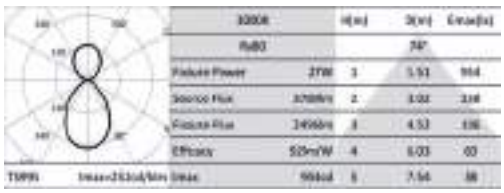


	Driver	Colour	3000K	4000K
	EL.	○	**1T6855EL**	**1T6856EL**
	EL.	◐	**1T6857EL**	**1T6858EL**
	EL.	◑	**1T6859EL**	**1T6860EL**
	DALI	○	**1T6855DA**	**1T6856DA**
	DALI	◐	**1T6857DA**	**1T6858DA**
	DALI	◑	**1T6859DA**	**1T6860DA**

LED / 36W / UP-DOWN OPAL

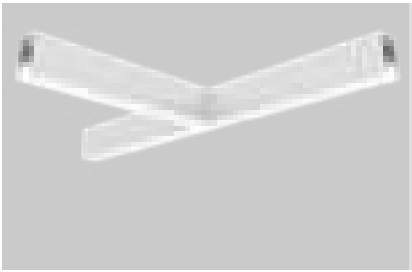
	Driver	Colour	3000K	4000K
	EL.	○	**1T6891EL**	**1T6892EL**
	EL.	◐	**1T6893EL**	**1T6894EL**
	EL.	◑	**1T6895EL**	**1T6896EL**
	DALI	○	**1T6891DA**	**1T6892DA**
	DALI	◐	**1T6893DA**	**1T6894DA**
	DALI	◑	**1T6895DA**	**1T6896DA**

LED / 24W / UP-DOWN UGR

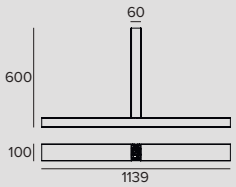


	Driver	Colour	3000K	4000K
	EL.	○	**1T6873EL**	**1T6874EL**
	EL.	◐	**1T6875EL**	**1T6876EL**
	EL.	◑	**1T6877EL**	**1T6878EL**
	DALI	○	**1T6873DA**	**1T6874DA**
	DALI	◐	**1T6875DA**	**1T6876DA**
	DALI	◑	**1T6877DA**	**1T6878DA**

LOGICO



System
Ceiling/Suspension
Continuous light module
T connector



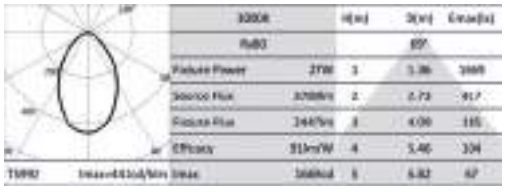
LED / 36W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5988EL**	**1T5989EL**
EL.	●	**1T5992EL**	**1T5993EL**
EL.	◍	**1T5996EL**	**1T5997EL**
DALI	○	**1T5988DA**	**1T5989DA**
DALI	●	**1T5992DA**	**1T5993DA**
DALI	◍	**1T5996DA**	**1T5997DA**

LED / 72W / DOWN OPAL

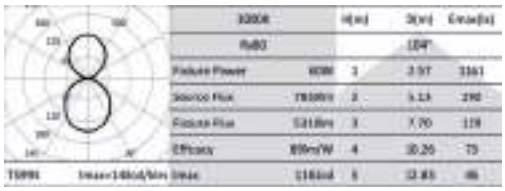
Driver	Colour	3000K	4000K
EL.	○	**1T5990EL**	**1T5991EL**
EL.	●	**1T5994EL**	**1T5995EL**
EL.	◍	**1T5998EL**	**1T5999EL**
DALI	○	**1T5990DA**	**1T5991DA**
DALI	●	**1T5994DA**	**1T5995DA**
DALI	◍	**1T5998DA**	**1T5999DA**

LED / 24W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T6861EL**	**1T6862EL**
EL.	●	**1T6863EL**	**1T6864EL**
EL.	◍	**1T6865EL**	**1T6866EL**
DALI	○	**1T6861DA**	**1T6862DA**
DALI	●	**1T6863DA**	**1T6864DA**
DALI	◍	**1T6865DA**	**1T6866DA**

LED / 54W / UP-DOWN OPAL

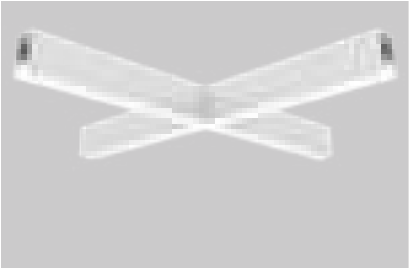


Driver	Colour	3000K	4000K
EL.	○	**1T6897EL**	**1T6898EL**
EL.	●	**1T6899EL**	**1T6900EL**
EL.	◍	**1T6901EL**	**1T6902EL**
DALI	○	**1T6897DA**	**1T6898DA**
DALI	●	**1T6899DA**	**1T6900DA**
DALI	◍	**1T6901DA**	**1T6902DA**

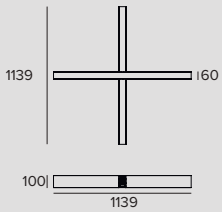
LED / 36W / UP-DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6879EL**	**1T6880EL**
EL.	●	**1T6881EL**	**1T6882EL**
EL.	◍	**1T6883EL**	**1T6884EL**
DALI	○	**1T6879DA**	**1T6880DA**
DALI	●	**1T6881DA**	**1T6882DA**
DALI	◍	**1T6883DA**	**1T6884DA**

LOGICO



System
Ceiling/Suspension
Continuous light module
X connector



LED / 48W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6000EL**	**1T6001EL**
EL.	◐	**1T6004EL**	**1T6005EL**
EL.	●	**1T6008EL**	**1T6009EL**
DALI	○	**1T6000DA**	**1T6001DA**
DALI	◐	**1T6004DA**	**1T6005DA**
DALI	●	**1T6008DA**	**1T6009DA**

LED / 96W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6002EL**	**1T6003EL**
EL.	◐	**1T6006EL**	**1T6007EL**
EL.	●	**1T6010EL**	**1T6011EL**
DALI	○	**1T6002DA**	**1T6003DA**
DALI	◐	**1T6006DA**	**1T6007DA**
DALI	●	**1T6010DA**	**1T6011DA**

LED / 36W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6867EL**	**1T6868EL**
EL.	◐	**1T6869EL**	**1T6870EL**
EL.	●	**1T6871EL**	**1T6872EL**
DALI	○	**1T6867DA**	**1T6868DA**
DALI	◐	**1T6869DA**	**1T6870DA**
DALI	●	**1T6871DA**	**1T6872DA**

LED / 72W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6903EL**	**1T6904EL**
EL.	◐	**1T6905EL**	**1T6906EL**
EL.	●	**1T6907EL**	**1T6908EL**
DALI	○	**1T6903DA**	**1T6904DA**
DALI	◐	**1T6905DA**	**1T6906DA**
DALI	●	**1T6907DA**	**1T6908DA**

LOGICO

LED / 48W / UP-DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6885EL**	**1T6886EL**
EL.	●	**1T6887EL**	**1T6888EL**
EL.	◌	**1T6889EL**	**1T6890EL**
DALI	○	**1T6885DA**	**1T6886DA**
DALI	●	**1T6887DA**	**1T6888DA**
DALI	◌	**1T6889DA**	**1T6890DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Direct/indirect version: single switch.

Related codes

End Caps

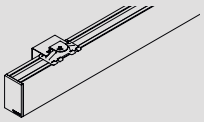
Colour	Code
○	**1T5937**
◐	**1T5938**
◌	**1T5939**

End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

Mounting System

Colour	Code
○	**1T5912**
◐	**1T5913**
◌	**1T5914**

Ceiling installation: polycarbonate bracket.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.



Colour	Code
○	**1T6919**
●	**1T6920**
◌	**1T6921**

Wall installation: painted metal bracket.
To be ordered in the following quantities for every fixture length: 1 for the 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version and 3 for the 3364 / 3377mm version.

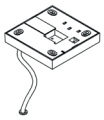
LOGICO

Suspension

	L	Colour	Code
	2000	○	**1T5899**
	2000	●	**1T5900**
	2000	◍	**1T5901**
	4000	○	**1T5902**
	4000	●	**1T5903**
	4000	◍	**1T5904**

Suspension cable.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.
Suspension cable compatible with ceiling or wall installations, even inclined.

Power Supply Kit

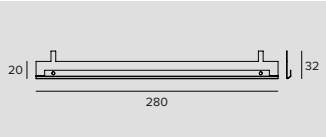


	L	Driver	Colour	Code
	4000	EL.	○	**1T5905EL**
	4000	EL.	◑	**1T5906EL**
	4000	EL.	◍	**1T5907EL**
	4000	DALI	○	**1T5905DA**
	4000	DALI	◑	**1T5906DA**
	4000	DALI	◍	**1T5907DA**

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

Accessories

Screen



	Code
	1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Electrical Connector

	Code
	1T5911

Linear electrical connector.
EL/DALI.

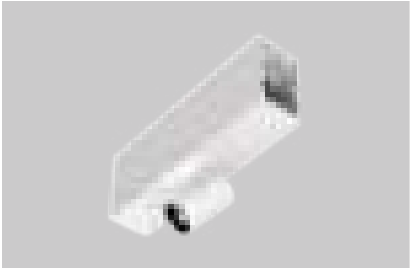
Control systems

	Code
	1T5349

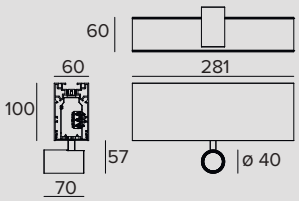
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.



System Ceiling/Suspension Projector module Label 4 1X



LED / 1x8W / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T7221EL**	**1T7224EL**
	EL.	●	**1T7227EL**	**1T7230EL**
	EL.	◍	**1T7233EL**	**1T7236EL**
	DALI	○	**1T7221DA**	**1T7224DA**
	DALI	●	**1T7227DA**	**1T7230DA**
	DALI	◍	**1T7233DA**	**1T7236DA**

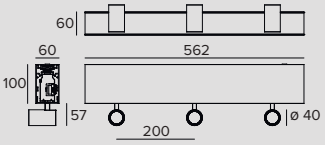
LED / 1x8W / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7222EL**	**1T7225EL**
	EL.	●	**1T7228EL**	**1T7231EL**
	EL.	◍	**1T7234EL**	**1T7237EL**
	DALI	○	**1T7222DA**	**1T7225DA**
	DALI	●	**1T7228DA**	**1T7231DA**
	DALI	◍	**1T7234DA**	**1T7237DA**

LED / 1x8W / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7223EL**	**1T7226EL**
	EL.	●	**1T7229EL**	**1T7232EL**
	EL.	◍	**1T7235EL**	**1T7238EL**
	DALI	○	**1T7223DA**	**1T7226DA**
	DALI	●	**1T7229DA**	**1T7232DA**
	DALI	◍	**1T7235DA**	**1T7238DA**

System Ceiling/Suspension Projector module Label 4 3X



LED / 3x8W / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T7239EL**	**1T7242EL**
	EL.	●	**1T7245EL**	**1T7248EL**
	EL.	◍	**1T7251EL**	**1T7254EL**
	DALI	○	**1T7239DA**	**1T7242DA**
	DALI	●	**1T7245DA**	**1T7248DA**
	DALI	◍	**1T7251DA**	**1T7254DA**

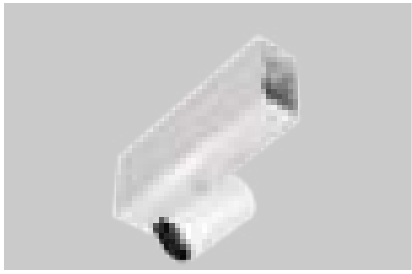
LOGICO

LED / 3x8W / FL

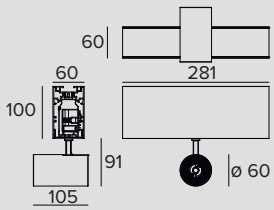
Driver	Colour	3000K	4000K
EL.	○	**1T7240EL**	**1T7243EL**
EL.	◐	**1T7246EL**	**1T7249EL**
EL.	●	**1T7252EL**	**1T7255EL**
DALI	○	**1T7240DA**	**1T7243DA**
DALI	◐	**1T7246DA**	**1T7249DA**
DALI	●	**1T7252DA**	**1T7255DA**

LED / 3x8W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T7241EL**	**1T7244EL**
EL.	◐	**1T7247EL**	**1T7250EL**
EL.	●	**1T7253EL**	**1T7256EL**
DALI	○	**1T7241DA**	**1T7244DA**
DALI	◐	**1T7247DA**	**1T7250DA**
DALI	●	**1T7253DA**	**1T7256DA**



System Ceiling/Suspension Projector module Label 6 1X



LED / 1x14W / SP

Driver	Colour	3000K	4000K
EL.	○	**1T7305EL**	**1T7308EL**
EL.	◐	**1T7311EL**	**1T7314EL**
EL.	●	**1T7317EL**	**1T7320EL**
DALI	○	**1T7305DA**	**1T7308DA**
DALI	◐	**1T7311DA**	**1T7314DA**
DALI	●	**1T7317DA**	**1T7320DA**

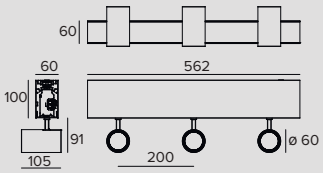
LED / 1x14W / FL

Driver	Colour	3000K	4000K
EL.	○	**1T7306EL**	**1T7309EL**
EL.	◐	**1T7312EL**	**1T7315EL**
EL.	●	**1T7318EL**	**1T7321EL**
DALI	○	**1T7306DA**	**1T7309DA**
DALI	◐	**1T7312DA**	**1T7315DA**
DALI	●	**1T7318DA**	**1T7321DA**

LED / 1x14W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T7307EL**	**1T7310EL**
EL.	◐	**1T7313EL**	**1T7316EL**
EL.	●	**1T7319EL**	**1T7322EL**
DALI	○	**1T7307DA**	**1T7310DA**
DALI	◐	**1T7313DA**	**1T7316DA**
DALI	●	**1T7319DA**	**1T7322DA**

System Ceiling/Suspension Projector module Label 6 3X



LED / 3x14W / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T7323EL**	**1T7326EL**
	EL.	●	**1T7329EL**	**1T7332EL**
	EL.	◍	**1T7335EL**	**1T7338EL**
	DALI	○	**1T7323DA**	**1T7326DA**
	DALI	●	**1T7329DA**	**1T7332DA**
	DALI	◍	**1T7335DA**	**1T7338DA**

LED / 3x14W / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7324EL**	**1T7327EL**
	EL.	●	**1T7330EL**	**1T7333EL**
	EL.	◍	**1T7336EL**	**1T7339EL**
	DALI	○	**1T7324DA**	**1T7327DA**
	DALI	●	**1T7330DA**	**1T7333DA**
	DALI	◍	**1T7336DA**	**1T7339DA**

LED / 3x14W / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7325EL**	**1T7328EL**
	EL.	●	**1T7331EL**	**1T7334EL**
	EL.	◍	**1T7337EL**	**1T7340EL**
	DALI	○	**1T7325DA**	**1T7328DA**
	DALI	●	**1T7331DA**	**1T7334DA**
	DALI	◍	**1T7337DA**	**1T7340DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

The photometrics refer to individual projectors.

Related codes

End Caps

	Colour	Code
	○	**1T5937**
	●	**1T5938**
	◍	**1T5939**

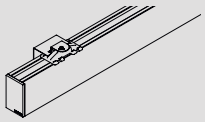
End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

LOGICO

Mounting System

Colour	Code
○	**1T5912**
●	**1T5913**
◐	**1T5914**

Ceiling installation: polycarbonate bracket.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.



Colour	Code
○	**1T6919**
◐	**1T6920**
◐	**1T6921**

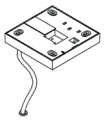
Wall installation: painted metal bracket.
To be ordered in the following quantities for every fixture length: 1 for the 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version and 3 for the 3364 / 3377mm version.

Suspension

L	Colour	Code
2000	○	**1T5899**
2000	●	**1T5900**
2000	◐	**1T5901**
4000	○	**1T5902**
4000	●	**1T5903**
4000	◐	**1T5904**

Suspension cable.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.
Suspension cable compatible with ceiling or wall installations, even inclined.

Power Supply Kit



L	Driver	Colour	Code
4000	EL.	○	**1T5905EL**
4000	EL.	◐	**1T5906EL**
4000	EL.	◐	**1T5907EL**
4000	DALI	○	**1T5905DA**
4000	DALI	◐	**1T5906DA**
4000	DALI	◐	**1T5907DA**

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

Accessories

Electrical Connector

Code
1T5911

Linear electrical connector.
EL/DALI.

LOGICO

Control systems

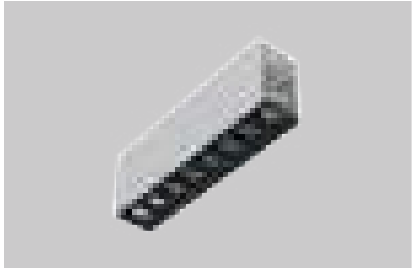
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

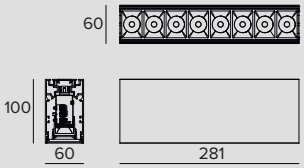
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

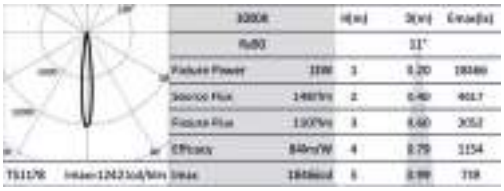
LOGICO



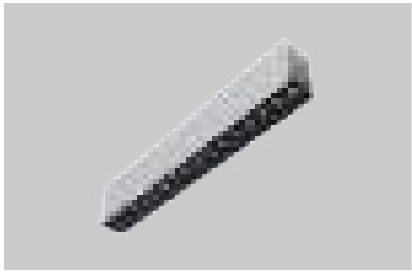
System
Ceiling/Suspension
Spot module
L. 281mm



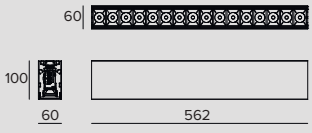
LED / 11,5W / LENS / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T7349EL**	**1T7350EL**
	EL.	◐	**1T7351EL**	**1T7352EL**
	EL.	●	**1T7353EL**	**1T7354EL**
	DALI	○	**1T7349DA**	**1T7350DA**
	DALI	◐	**1T7351DA**	**1T7352DA**
	DALI	●	**1T7353DA**	**1T7354DA**



System
Ceiling/Suspension
Spot module
L. 562mm



LED / 23W / LENS / SP

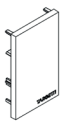
	Driver	Colour	3000K	4000K
	EL.	○	**1T7363EL**	**1T7364EL**
	EL.	◐	**1T7365EL**	**1T7366EL**
	EL.	●	**1T7367EL**	**1T7368EL**
	DALI	○	**1T7363DA**	**1T7364DA**
	DALI	◐	**1T7365DA**	**1T7366DA**
	DALI	●	**1T7367DA**	**1T7368DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Related codes

End Caps



	Colour	Code
	○	**1T5937**
	◐	**1T5938**
	●	**1T5939**

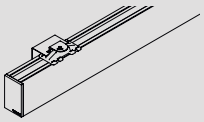
End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

LOGICO

Mounting System

Colour	Code
○	**1T5912**
◐	**1T5913**
◍	**1T5914**

Ceiling installation: polycarbonate bracket.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.



Colour	Code
○	**1T6919**
●	**1T6920**
◍	**1T6921**

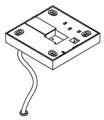
Wall installation: painted metal bracket.
To be ordered in the following quantities for every fixture length: 1 for the 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version and 3 for the 3364 / 3377mm version.

Suspension

L	Colour	Code
2000	○	**1T5899**
2000	◐	**1T5900**
2000	◍	**1T5901**
4000	○	**1T5902**
4000	◐	**1T5903**
4000	◍	**1T5904**

Suspension cable.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.
Suspension cable compatible with ceiling or wall installations, even inclined.

Power Supply Kit



L	Driver	Colour	Code
4000	EL.	○	**1T5905EL**
4000	EL.	●	**1T5906EL**
4000	EL.	◍	**1T5907EL**
4000	DALI	○	**1T5905DA**
4000	DALI	●	**1T5906DA**
4000	DALI	◍	**1T5907DA**

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

Accessories

Electrical Connector

Code
1T5911

Linear electrical connector.
EL/DALI.

LOGICO

Control systems

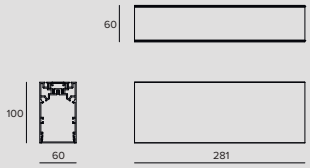
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

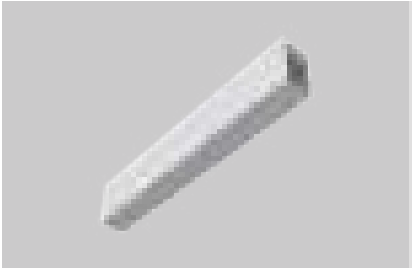
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

System Ceiling/Suspension Blind module L. 281mm

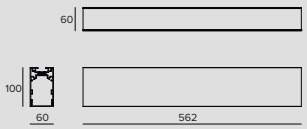


LINEAR

Colour	
○	**1T7385**
◐	**1T7390**
◍	**1T7395**



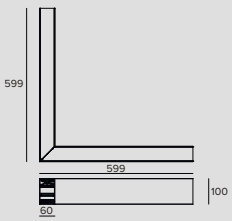
System Ceiling/Suspension Blind module L. 562mm



LINEAR

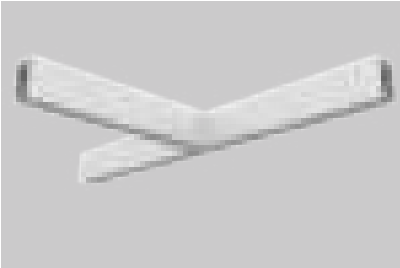
Colour	
○	**1T7386**
◐	**1T7391**
◍	**1T7396**

System Ceiling/Suspension Blind module L connector

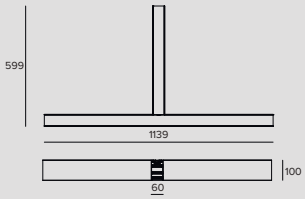


L CONNECTOR

Colour	
○	**1T7387**
◐	**1T7392**
◍	**1T7397**



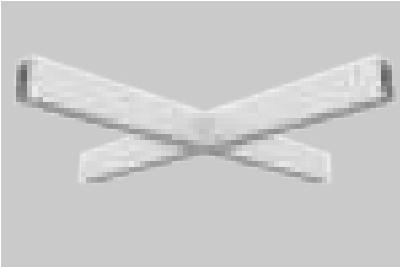
System
Ceiling/Suspension
Blind module
T connector



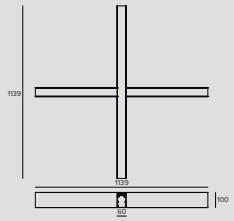
T CONNECTOR

3.6 IP20

	Colour	
	○	**1T7388**
	●	**1T7393**
	◌	**1T7398**



System
Ceiling/Suspension
Blind module
X connector



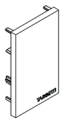
X CONNECTOR

4.7 IP20

	Colour	
	○	**1T7389**
	●	**1T7394**
	◌	**1T7399**

Related codes

End Caps



	Colour	Code
	○	**1T5937**
	●	**1T5938**
	◌	**1T5939**

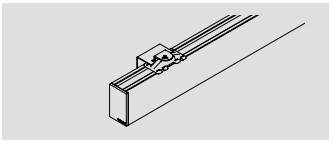
End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

LOGICO

Mounting System

	Colour	Code
	○	**1T5912**
	◐	**1T5913**
	●	**1T5914**

Ceiling installation: polycarbonate bracket.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.



	Colour	Code
	○	**1T6919**
	◐	**1T6920**
	●	**1T6921**

Wall installation: painted metal bracket.
To be ordered in the following quantities for every fixture length: 1 for the 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version and 3 for the 3364 / 3377mm version.

Suspension

	L	Colour	Code
	2000	○	**1T5899**
	2000	◐	**1T5900**
	2000	●	**1T5901**
	4000	○	**1T5902**
	4000	◐	**1T5903**
	4000	●	**1T5904**

Suspension cable.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.
Suspension cable compatible with ceiling or wall installations, even inclined.

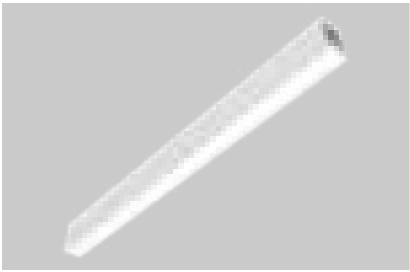
Accessories

Electrical Connector

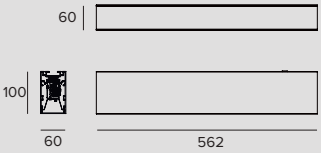
	Code
	1T5911

Linear electrical connector.
EL/DALI.

LOGICO



System
Trimless Recessed
Continuous light module
L. 562mm



LED / 12W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6019EL**	**1T6020EL**
EL.	◐	**1T6023EL**	**1T6024EL**
DALI	○	**1T6019DA**	**1T6020DA**
DALI	◐	**1T6023DA**	**1T6024DA**

LED / 24W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6021EL**	**1T6022EL**
EL.	◐	**1T6025EL**	**1T6026EL**
DALI	○	**1T6021DA**	**1T6022DA**
DALI	◐	**1T6025DA**	**1T6026DA**

LED / 8W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6813EL**	**1T6814EL**
EL.	◐	**1T6815EL**	**1T6816EL**
DALI	○	**1T6813DA**	**1T6814DA**
DALI	◐	**1T6815DA**	**1T6816DA**

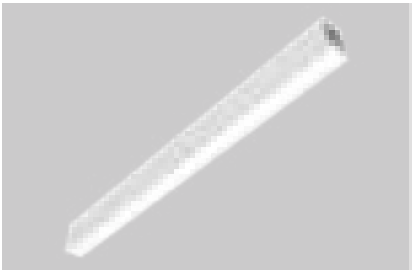
LED / 12W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T6817EL**	**1T6818EL**
EL.	◐	**1T6819EL**	**1T6820EL**
DALI	○	**1T6817DA**	**1T6818DA**
DALI	◐	**1T6819DA**	**1T6820DA**

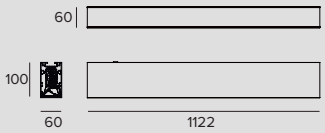
LED / 24W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T6821EL**	**1T6822EL**
EL.	◐	**1T6823EL**	**1T6824EL**
DALI	○	**1T6821DA**	**1T6822DA**
DALI	◐	**1T6823DA**	**1T6824DA**

LOGICO



System
Trimless Recessed
Continuous light module
L. 1122mm



LED / 24W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5839EL**	**1T5840EL**
EL.	●	**1T5841EL**	**1T5842EL**
DALI	○	**1T5839DA**	**1T5840DA**
DALI	●	**1T5841DA**	**1T5842DA**

LED / 48W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5843EL**	**1T5844EL**
EL.	●	**1T5845EL**	**1T5846EL**
DALI	○	**1T5843DA**	**1T5844DA**
DALI	●	**1T5845DA**	**1T5846DA**

LED / 16W / DOWN UGR

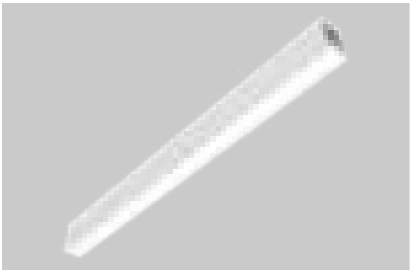
Driver	Colour	3000K	4000K
EL.	○	**1T5847EL**	**1T5848EL**
EL.	●	**1T5849EL**	**1T5850EL**
DALI	○	**1T5847DA**	**1T5848DA**
DALI	●	**1T5849DA**	**1T5850DA**

LED / 24W / DOWN WW

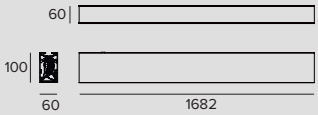
Driver	Colour	3000K	4000K
EL.	○	**1T5851EL**	**1T5852EL**
EL.	●	**1T5853EL**	**1T5854EL**
DALI	○	**1T5851DA**	**1T5852DA**
DALI	●	**1T5853DA**	**1T5854DA**

LED / 48W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5855EL**	**1T5856EL**
EL.	●	**1T5857EL**	**1T5858EL**
DALI	○	**1T5855DA**	**1T5856DA**
DALI	●	**1T5857DA**	**1T5858DA**



System
Trimless Recessed
Continuous light module
L. 1682mm



LED / 36W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5859EL**	**1T5860EL**
EL.	◐	**1T5861EL**	**1T5862EL**
DALI	○	**1T5859DA**	**1T5860DA**
DALI	◐	**1T5861DA**	**1T5862DA**

LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5863EL**	**1T5864EL**
EL.	◐	**1T5865EL**	**1T5866EL**
DALI	○	**1T5863DA**	**1T5864DA**
DALI	◐	**1T5865DA**	**1T5866DA**

LED / 24W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5867EL**	**1T5868EL**
EL.	◐	**1T5869EL**	**1T5870EL**
DALI	○	**1T5867DA**	**1T5868DA**
DALI	◐	**1T5869DA**	**1T5870DA**

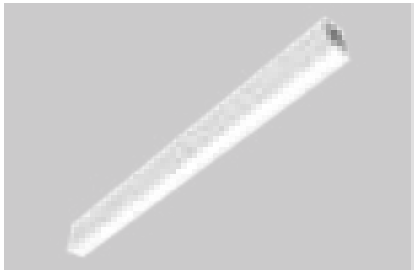
LED / 36W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5871EL**	**1T5872EL**
EL.	◐	**1T5873EL**	**1T5874EL**
DALI	○	**1T5871DA**	**1T5872DA**
DALI	◐	**1T5873DA**	**1T5874DA**

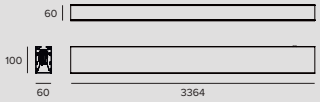
LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5875EL**	**1T5876EL**
EL.	◐	**1T5877EL**	**1T5878EL**
DALI	○	**1T5875DA**	**1T5876DA**
DALI	◐	**1T5877DA**	**1T5878DA**

LOGICO



System
Trimless Recessed
Continuous light module
L. 3364mm



LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5879EL**	**1T5880EL**
EL.	●	**1T5881EL**	**1T5882EL**
DALI	○	**1T5879DA**	**1T5880DA**
DALI	●	**1T5881DA**	**1T5882DA**

LED / 144W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5883EL**	**1T5884EL**
EL.	●	**1T5885EL**	**1T5886EL**
DALI	○	**1T5883DA**	**1T5884DA**
DALI	●	**1T5885DA**	**1T5886DA**

LED / 48W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5887EL**	**1T5888EL**
EL.	●	**1T5889EL**	**1T5890EL**
DALI	○	**1T5887DA**	**1T5888DA**
DALI	●	**1T5889DA**	**1T5890DA**

LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5891EL**	**1T5892EL**
EL.	●	**1T5893EL**	**1T5894EL**
DALI	○	**1T5891DA**	**1T5892DA**
DALI	●	**1T5893DA**	**1T5894DA**

LED / 144W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5895EL**	**1T5896EL**
EL.	●	**1T5897EL**	**1T5898EL**
DALI	○	**1T5895DA**	**1T5896DA**
DALI	●	**1T5897DA**	**1T5898DA**

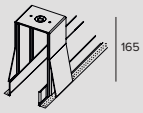
Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

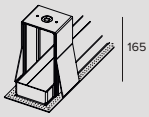
Related codes

Insertion Box



Kg	Cutout hole	L	Code
1.25	80x281	281	**1T7369**
1.8	80x562	562	**1T6051**
3.2	80x1122	1122	**1T5915**
3.8	80x1682	1682	**1T5916**

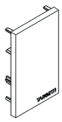
Outer casing for recessed and semi-recessed trimless installation.



Kg	Cutout hole	L	Code
1.3	80x291	306	**1T7370**
1.9	80x572	587	**1T6052**
3.2	80x1132	1147	**1T5917**
3.8	80x1692	1707	**1T5921**

Terminal outer casing for recessed and semi-recessed trimless installation.

End Caps

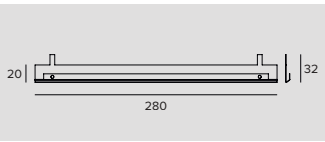


Colour	Code
○	**1T5937**
●	**1T5938**

End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

Accessories

Screen



Code
1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Electrical Connector

Code
1T5911

Linear electrical connector.
EL/DALI.

LOGICO

Control systems

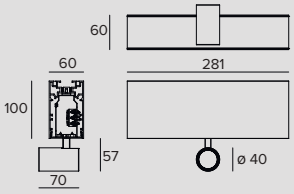
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

System
Trimless Recessed
Projector module Label 4
1X



LED / 1x8W / SP

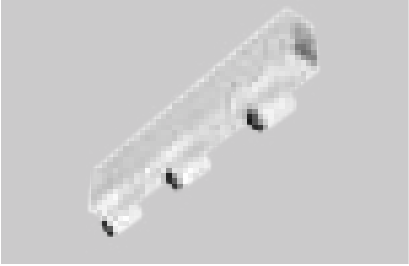
	Driver	Colour	3000K	4000K
	EL.	○	**1T7197EL**	**1T7200EL**
	EL.	◐	**1T7203EL**	**1T7206EL**
	DALI	○	**1T7197DA**	**1T7200DA**
	DALI	◐	**1T7203DA**	**1T7206DA**

LED / 1x8W / FL

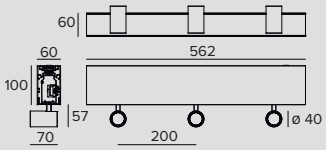
	Driver	Colour	3000K	4000K
	EL.	○	**1T7198EL**	**1T7201EL**
	EL.	◐	**1T7204EL**	**1T7207EL**
	DALI	○	**1T7198DA**	**1T7201DA**
	DALI	◐	**1T7204DA**	**1T7207DA**

LED / 1x8W / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7199EL**	**1T7202EL**
	EL.	◐	**1T7205EL**	**1T7208EL**
	DALI	○	**1T7199DA**	**1T7202DA**
	DALI	◐	**1T7205DA**	**1T7208DA**



System
Trimless Recessed
Projector module Label 4
3X



LED / 3x8W / SP

	Driver	Colour	3000K	4000K
	EL.	○	**1T7209EL**	**1T7212EL**
	EL.	◐	**1T7215EL**	**1T7218EL**
	DALI	○	**1T7209DA**	**1T7212DA**
	DALI	◐	**1T7215DA**	**1T7218DA**

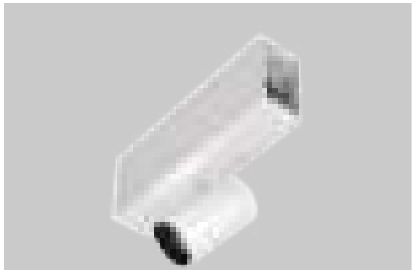
LOGICO

LED / 3x8W / FL

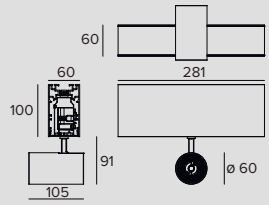
Driver	Colour	3000K	4000K
EL.	○	**1T7210EL**	**1T7213EL**
EL.	●	**1T7216EL**	**1T7219EL**
DALI	○	**1T7210DA**	**1T7213DA**
DALI	●	**1T7216DA**	**1T7219DA**

LED / 3x8W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T7211EL**	**1T7214EL**
EL.	●	**1T7217EL**	**1T7220EL**
DALI	○	**1T7211DA**	**1T7214DA**
DALI	●	**1T7217DA**	**1T7220DA**



System
Trimless Recessed
Projector module Label 6
1X



LED / 1x14W / SP

Driver	Colour	3000K	4000K
EL.	○	**1T7281EL**	**1T7284EL**
EL.	●	**1T7287EL**	**1T7290EL**
DALI	○	**1T7281DA**	**1T7284DA**
DALI	●	**1T7287DA**	**1T7290DA**

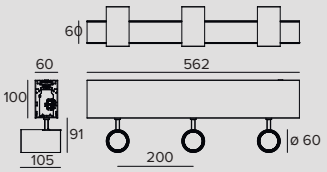
LED / 1x14W / FL

Driver	Colour	3000K	4000K
EL.	○	**1T7282EL**	**1T7285EL**
EL.	●	**1T7288EL**	**1T7291EL**
DALI	○	**1T7282DA**	**1T7285DA**
DALI	●	**1T7288DA**	**1T7291DA**

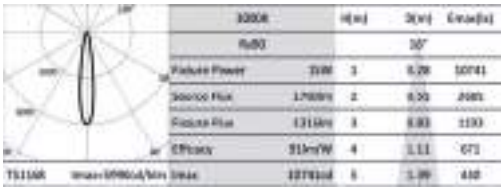
LED / 1x14W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T7283EL**	**1T7286EL**
EL.	●	**1T7289EL**	**1T7292EL**
DALI	○	**1T7283DA**	**1T7286DA**
DALI	●	**1T7289DA**	**1T7292DA**

System Trimless Recessed Projector module Label 6 3X



LED / 3x14W / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T7293EL**	**1T7296EL**
	EL.	●	**1T7299EL**	**1T7302EL**
	DALI	○	**1T7293DA**	**1T7296DA**
	DALI	●	**1T7299DA**	**1T7302DA**

LED / 3x14W / FL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7294EL**	**1T7297EL**
	EL.	●	**1T7300EL**	**1T7303EL**
	DALI	○	**1T7294DA**	**1T7297DA**
	DALI	●	**1T7300DA**	**1T7303DA**

LED / 3x14W / MWFL

	Driver	Colour	3000K	4000K
	EL.	○	**1T7295EL**	**1T7298EL**
	EL.	●	**1T7301EL**	**1T7304EL**
	DALI	○	**1T7295DA**	**1T7298DA**
	DALI	●	**1T7301DA**	**1T7304DA**

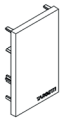
Note

Check mounting instructions to verify the quantity of DALI drivers installed.

The photometrics refer to individual projectors.

Related codes

End Caps

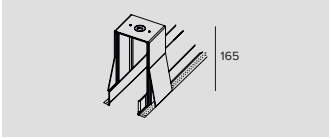


	Colour	Code
	○	**1T5937**
	●	**1T5938**

End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

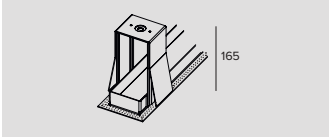
LOGICO

Insertion Box



Kg	Cutout hole	L	Code
1.25	80x281	281	**1T7369**
1.8	80x562	562	**1T6051**

Outer casing for recessed and semi-recessed trimless installation.



Kg	Cutout hole	L	Code
1.3	80x291	306	**1T7370**
1.9	80x572	587	**1T6052**

Terminal outer casing for recessed and semi-recessed trimless installation.

Accessories

Electrical Connector

Code
1T5911

Linear electrical connector.
EL/DALI.

Control systems

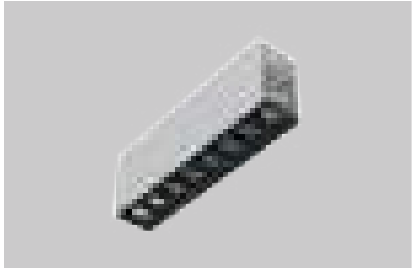
Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

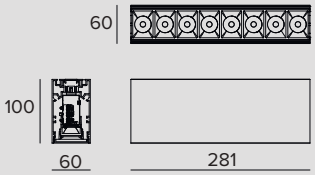
Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

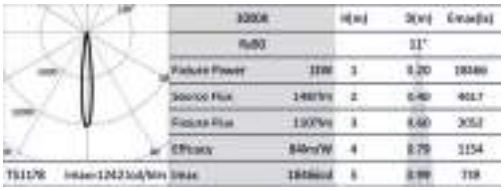
LOGICO



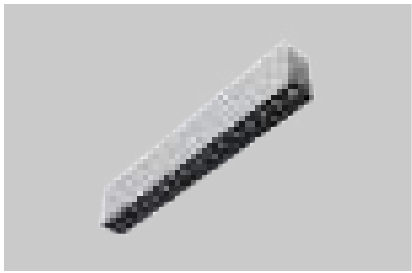
System
Trimless Recessed
Spot module
L. 281mm



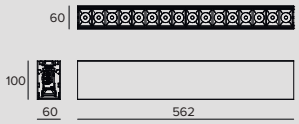
LED / 11,5W / LENS / SP



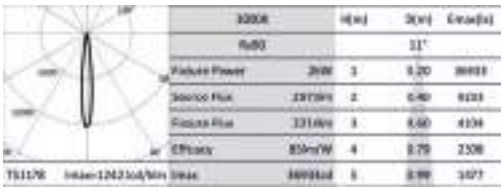
	Driver	Colour	3000K	4000K
	EL.	○	**1T7345EL**	**1T7346EL**
	EL.	●	**1T7347EL**	**1T7348EL**
	DALI	○	**1T7345DA**	**1T7346DA**
	DALI	●	**1T7347DA**	**1T7348DA**



System
Trimless Recessed
Spot module
L. 562mm



LED / 23W / LENS / SP



	Driver	Colour	3000K	4000K
	EL.	○	**1T7359EL**	**1T7360EL**
	EL.	●	**1T7361EL**	**1T7362EL**
	DALI	○	**1T7359DA**	**1T7360DA**
	DALI	●	**1T7361DA**	**1T7362DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Related codes

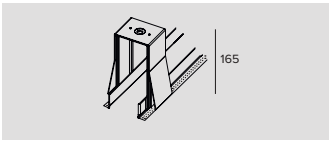
End Caps

	Colour	Code
	○	**1T5937**
	●	**1T5938**

End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

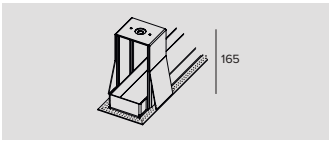
LOGICO

Insertion Box



Kg	Cutout hole	L	Code
1.25	80x281	281	**1T7369**
1.8	80x562	562	**1T6051**

Outer casing for recessed and semi-recessed trimless installation.



Kg	Cutout hole	L	Code
1.3	80x291	306	**1T7370**
1.9	80x572	587	**1T6052**

Terminal outer casing for recessed and semi-recessed trimless installation.

Accessories

Electrical Connector

Code
1T5911

Linear electrical connector.
EL/DALI.

Control systems

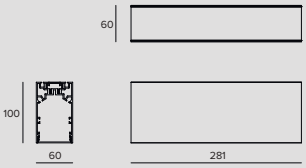
Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

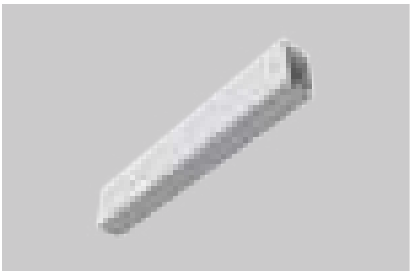
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

System Trimless Recessed Blind module L. 281mm

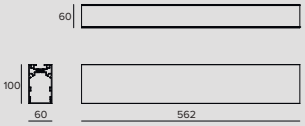


LINEAR

	Colour	
	○	**1T7381**
	●	**1T7383**



System Trimless Recessed Blind module L. 562mm

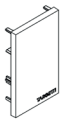


LINEAR

	Colour	
	○	**1T7382**
	●	**1T7384**

Related codes

End Caps

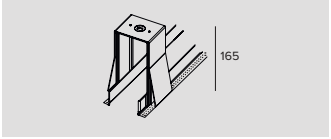


	Colour	Code
	○	**1T5937**
	●	**1T5938**

End caps for Ceiling Mounted, Suspension and Trimless versions.
2X

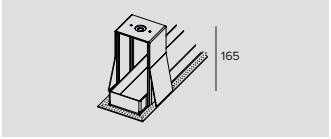
LOGICO

Insertion Box



Kg	Cutout hole	L	Code
1.25	80x281	281	**1T7369**
1.8	80x562	562	**1T6051**

Outer casing for recessed and semi-recessed trimless installation.



Kg	Cutout hole	L	Code
1.3	80x291	306	**1T7370**
1.9	80x572	587	**1T6052**

Terminal outer casing for recessed and semi-recessed trimless installation.

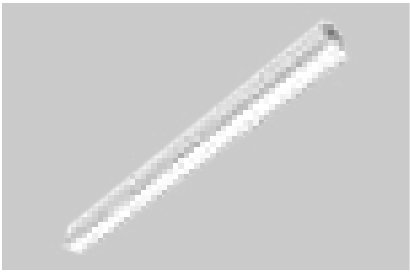
Accessories

Electrical Connector

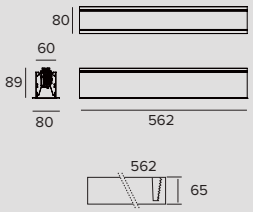
Code
1T5911

Linear electrical connector.
EL/DALI.

LOGICO



System
Recessed with flange
Continuous light module
L. 562mm



LED / 12W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T6015EL**	**1T6016EL**
DALI	◯	**1T6015DA**	**1T6016DA**

LED / 24W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T6017EL**	**1T6018EL**
DALI	◯	**1T6017DA**	**1T6018DA**

LED / 8W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	◯	**1T6807EL**	**1T6808EL**
DALI	◯	**1T6807DA**	**1T6808DA**

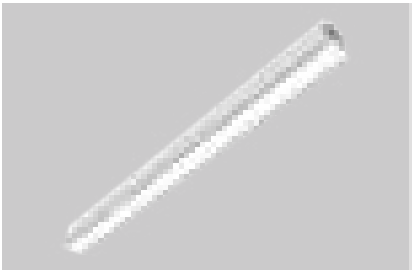
LED / 12W / DOWN WW

Driver	Colour	3000K	4000K
EL.	◯	**1T6809EL**	**1T6810EL**
DALI	◯	**1T6809DA**	**1T6810DA**

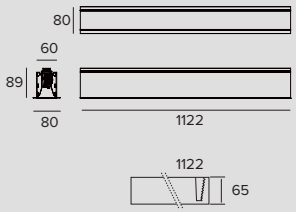
LED / 24W / DOWN WW

Driver	Colour	3000K	4000K
EL.	◯	**1T6811EL**	**1T6812EL**
DALI	◯	**1T6811DA**	**1T6812DA**

LOGICO



System
Recessed with flange
Continuous light module
L. 1122mm



LED / 24W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5461EL**	**1T5462EL**
	DALI	◯	**1T5461DA**	**1T5462DA**

LED / 48W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5463EL**	**1T5464EL**
	DALI	◯	**1T5463DA**	**1T5464DA**

LED / 16W / DOWN UGR

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5465EL**	**1T5466EL**
	DALI	◯	**1T5465DA**	**1T5466DA**

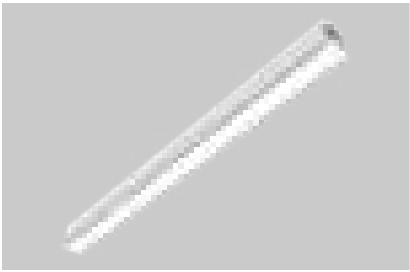
LED / 24W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5467EL**	**1T5468EL**
	DALI	◯	**1T5467DA**	**1T5468DA**

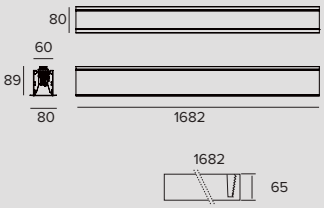
LED / 48W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5469EL**	**1T5470EL**
	DALI	◯	**1T5469DA**	**1T5470DA**

LOGICO



System
Recessed with flange
Continuous light module
L. 1682mm



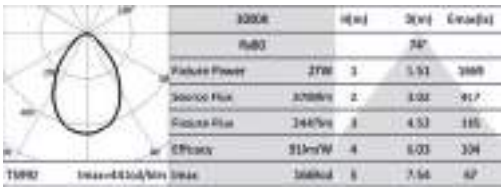
LED / 36W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5471EL**	**1T5472EL**
	DALI	◯	**1T5471DA**	**1T5472DA**

LED / 72W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5473EL**	**1T5474EL**
	DALI	◯	**1T5473DA**	**1T5474DA**

LED / 24W / DOWN UGR



	Driver	Colour	3000K	4000K
	EL.	◯	**1T5475EL**	**1T5476EL**
	DALI	◯	**1T5475DA**	**1T5476DA**

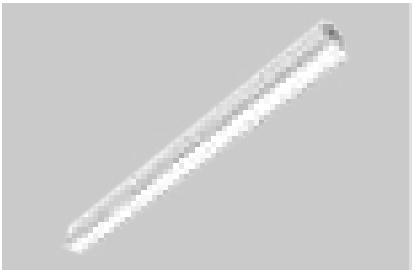
LED / 36W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5477EL**	**1T5478EL**
	DALI	◯	**1T5477DA**	**1T5478DA**

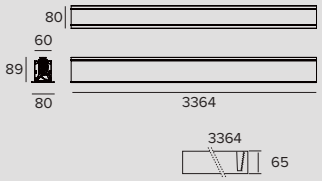
LED / 72W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5479EL**	**1T5480EL**
	DALI	◯	**1T5479DA**	**1T5480DA**

LOGICO



System
Recessed with flange
Continuous light module
L. 3364mm



LED / 72W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5481EL**	**1T5482EL**
	DALI	◯	**1T5481DA**	**1T5482DA**

LED / 144W / DOWN OPAL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5483EL**	**1T5484EL**
	DALI	◯	**1T5483DA**	**1T5484DA**

LED / 48W / DOWN UGR

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5485EL**	**1T5486EL**
	DALI	◯	**1T5485DA**	**1T5486DA**

LED / 72W / DOWN WW

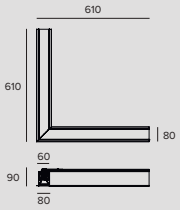
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5487EL**	**1T5488EL**
	DALI	◯	**1T5487DA**	**1T5488DA**

LED / 144W / DOWN WW

	Driver	Colour	3000K	4000K
	EL.	◯	**1T5489EL**	**1T5490EL**
	DALI	◯	**1T5489DA**	**1T5490DA**

LOGICO

System
Recessed with flange
Continuous light module
L connector



LED / 24W / DOWN OPAL

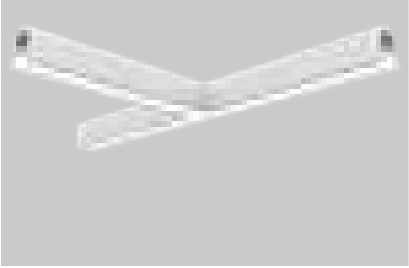
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5940EL**	**1T5941EL**
	DALI	◯	**1T5940DA**	**1T5941DA**

LED / 48W / DOWN OPAL

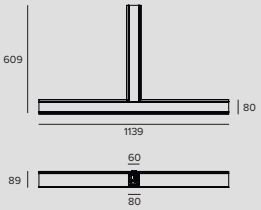
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5942EL**	**1T5943EL**
	DALI	◯	**1T5942DA**	**1T5943DA**

LED / 16W / DOWN UGR

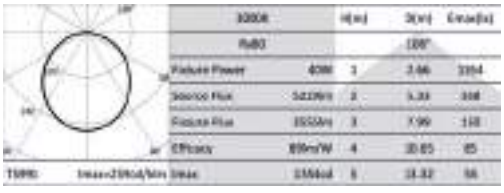
	Driver	Colour	3000K	4000K
	EL.	◯	**1T6849EL**	**1T6850EL**
	DALI	◯	**1T6849DA**	**1T6850DA**



System
Recessed with flange
Continuous light module
T connector



LED / 36W / DOWN OPAL



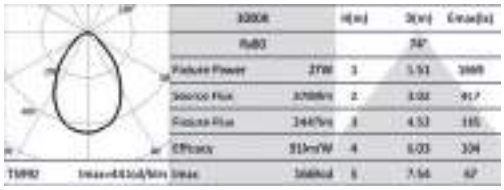
	Driver	Colour	3000K	4000K
	EL.	◯	**1T5944EL**	**1T5945EL**
	DALI	◯	**1T5944DA**	**1T5945DA**

LOGICO

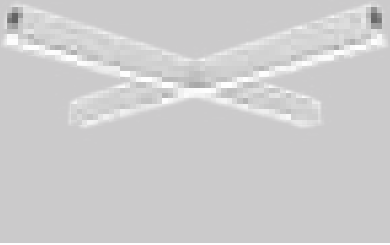
LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T5946EL**	**1T5947EL**
DALI	◯	**1T5946DA**	**1T5947DA**

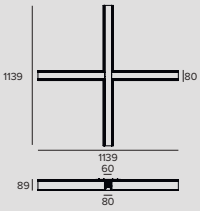
LED / 24W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	◯	**1T6851EL**	**1T6852EL**
DALI	◯	**1T6851DA**	**1T6852DA**



System
Recessed with flange
Continuous light module
X connector



LED / 48W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T5948EL**	**1T5949EL**
DALI	◯	**1T5948DA**	**1T5949DA**

LED / 96W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	◯	**1T5950EL**	**1T5951EL**
DALI	◯	**1T5950DA**	**1T5951DA**

LED / 36W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	◯	**1T6853EL**	**1T6854EL**
DALI	◯	**1T6853DA**	**1T6854DA**

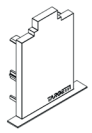
Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Related codes

End Caps

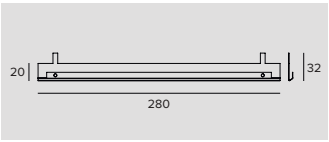


	Code
	1T5908

End caps for the recessed version with a flange.
White.
2X

Accessories

Screen



	Code
	1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Electrical Connector

	Code
	1T5911

Linear electrical connector.
EL/DALI.

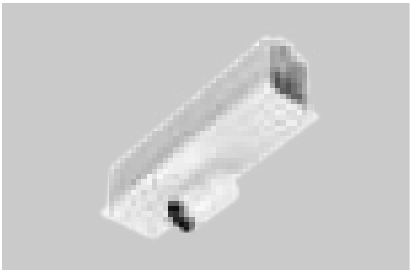
Control systems

	Code
	1T5349

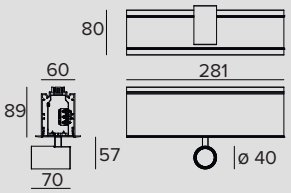
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.



System
Recessed with flange
Projector module Label 4
1X



LED / 1x8W / SP

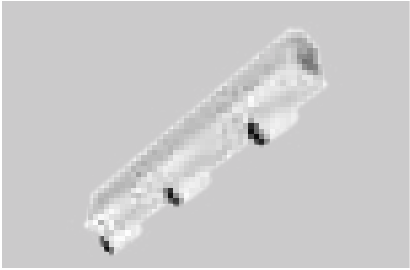
	Driver	Colour	3000K	4000K
	EL.	◯	**1T7173EL**	**1T7176EL**
	DALI	◯	**1T7173DA**	**1T7176DA**

LED / 1x8W / FL

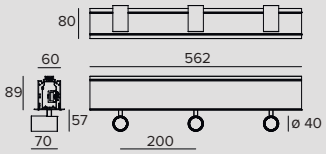
	Driver	Colour	3000K	4000K
	EL.	◯	**1T7174EL**	**1T7177EL**
	DALI	◯	**1T7174DA**	**1T7177DA**

LED / 1x8W / MWFL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7175EL**	**1T7178EL**
	DALI	◯	**1T7175DA**	**1T7178DA**



System
Recessed with flange
Projector module Label 4
3X



LED / 3x8W / SP

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7185EL**	**1T7188EL**
	DALI	◯	**1T7185DA**	**1T7188DA**

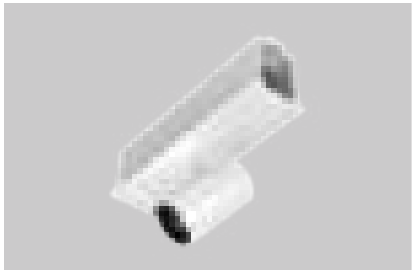
LOGICO

LED / 3x8W / FL

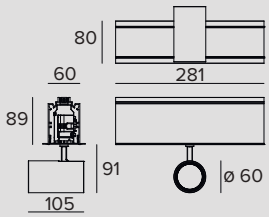
Driver	Colour	3000K	4000K
EL.	◯	**1T7186EL**	**1T7189EL**
DALI	◯	**1T7186DA**	**1T7189DA**

LED / 3x8W / MWFL

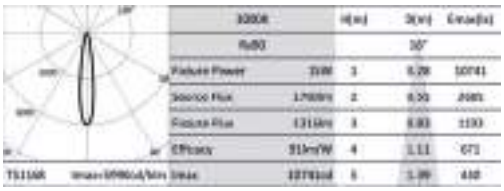
Driver	Colour	3000K	4000K
EL.	◯	**1T7187EL**	**1T7190EL**
DALI	◯	**1T7187DA**	**1T7190DA**



System
Recessed with flange
Projector module Label 6
1X



LED / 1x14W / SP



Driver	Colour	3000K	4000K
EL.	◯	**1T7257EL**	**1T7260EL**
DALI	◯	**1T7257DA**	**1T7260DA**

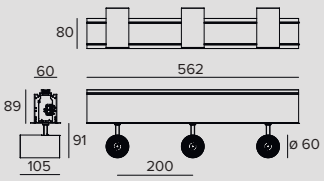
LED / 1x14W / FL

Driver	Colour	3000K	4000K
EL.	◯	**1T7258EL**	**1T7261EL**
DALI	◯	**1T7258DA**	**1T7261DA**

LED / 1x14W / MWFL

Driver	Colour	3000K	4000K
EL.	◯	**1T7259EL**	**1T7262EL**
DALI	◯	**1T7259DA**	**1T7262DA**

System
Recessed with flange
Projector module Label 6
3X



LED / 3x14W / SP

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7269EL**	**1T7272EL**
	DALI	◯	**1T7269DA**	**1T7272DA**

LED / 3x14W / FL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7270EL**	**1T7273EL**
	DALI	◯	**1T7270DA**	**1T7273DA**

LED / 3x14W / MWFL

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7271EL**	**1T7274EL**
	DALI	◯	**1T7271DA**	**1T7274DA**

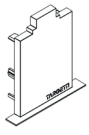
Note

Check mounting instructions to verify the quantity of DALI drivers installed.

The photometrics refer to individual projectors.

Related codes

End Caps



	Code
	1T5908

End caps for the recessed version with a flange.
White.
2X

LOGICO

Accessories

Electrical Connector

	Code
	1T5911

Linear electrical connector.
EL/DALI.

Control systems

	Code
	1T5349

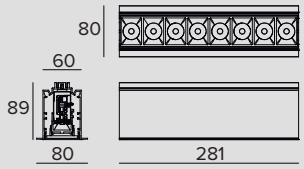
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

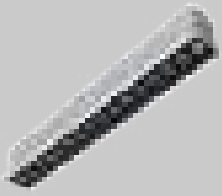
LOGICO

System
Recessed with flange
Spot module
L. 281mm

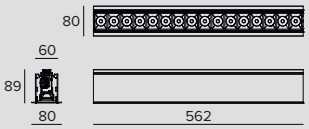


LED / 11,5W / LENS / SP

	Driver	Colour	3000K	4000K
	EL.	◯	**1T7341EL**	**1T7342EL**
	DALI	◯	**1T7341DA**	**1T7342DA**



System
Recessed with flange
Spot module
L. 562mm



LED / 23W / LENS / SP

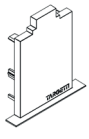
	Driver	Colour	3000K	4000K
	EL.	◯	**1T7355EL**	**1T7356EL**
	DALI	◯	**1T7355DA**	**1T7356DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Related codes

End Caps



	Code
	1T5908

End caps for the recessed version with a flange.
White.
2X

Accessories

Electrical Connector

	Code
	1T5911

Linear electrical connector.
EL/DALI.

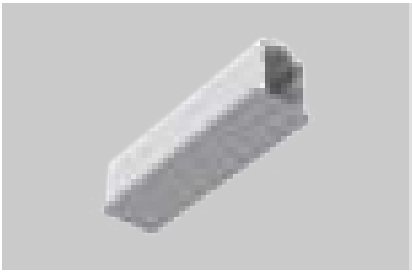
Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

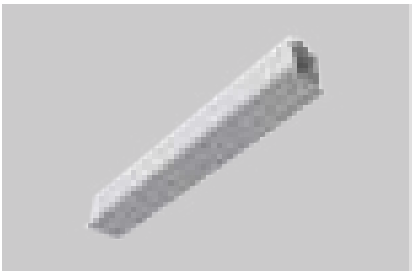
IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.



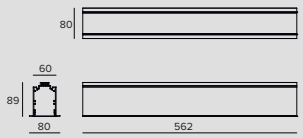
System
Recessed with flange
Blind module
L. 281mm

LINEAR

Colour	
◯	**1T7371**

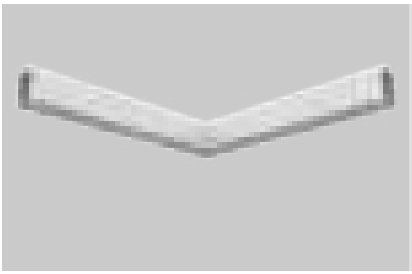


System
Recessed with flange
Blind module
L. 562mm

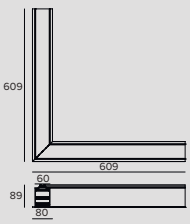


LINEAR

Colour	
◯	**1T7372**

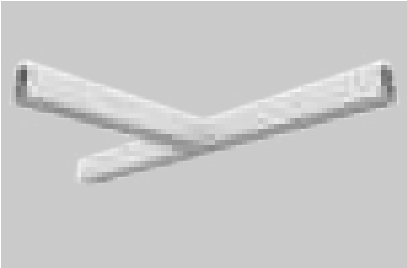


System
Recessed with flange
Blind module
L connector

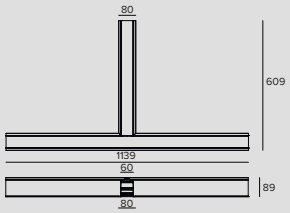


L CONNECTOR

Colour	
◯	**1T7373**

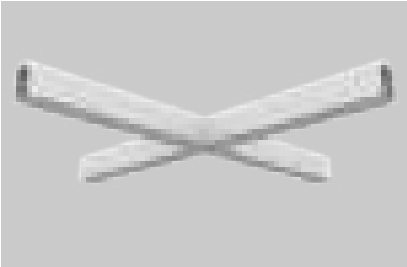


System
Recessed with flange
Blind module
T connector

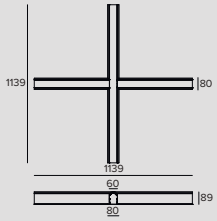


T CONNECTOR

Colour	
◯	**1T7374**



System
Recessed with flange
Blind module
X connector

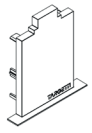


X CONNECTOR

Colour	
◯	**1T7375**

Related codes

End Caps



	Code
	1T5908

End caps for the recessed version with a flange.
White.
2X

Accessories

Electrical Connector

	Code
	1T5911

Linear electrical connector.
EL/DALI.

Zonamerica
Montevideo, Uruguay

Architect Estudio Dovat Arquitectos
Photographer Ferrés - Cánepa

Lighting Design Estudio Hofstadter

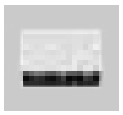
Ceiling, Suspensions and Wall

Indoor

New product Line Extension

New Performances New Accessory

Ceiling luminaires



462
OZ Stand Alone
Ceiling Large 3x

462
OZ Stand Alone
Ceiling Large 5x

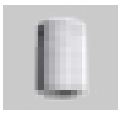
470
LOGICO SA
Ceiling/ Suspension
Opal/UGR/WW

478
THREESIXTY
Ø384mm
Opal/UGR/Halo

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Hal

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo



512
CCTLED
Tube Smart

512
CCTLED
Tube Tech

512
CCTLED
Tube Feel

524
BEBOP
Ceiling

538
OSIRIDE

542
PROFESSIONAL

Pendant luminaires

490
ISO

496
OMEGA

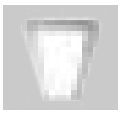
470
LOGICO SA
Ceiling/ Suspension
Opal/UGR/WW

478
THREESIXTY
Ø384mm
Opal/UGR/Halo

478
THREESIXTY
Ø590mm
Opal/UGR/Halo

478
THREESIXTY
Ø870mm
Opal/UGR/Hal

478
THREESIXTY
Ø1150mm
Opal/UGR/Halo



502
CARTESIO

506
SLIM Line

510
CCTLED
Pendant

512
CCTLED
Tube Smart

512
CCTLED
Tube Tech

512
CCTLED
Tube Feel

524
BEBOP
Suspension

526
GLOBO

Wall mounted luminaires

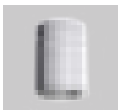
496
OMEGA
Applique

528
ZENO Applique
Large
Ø 184mm

528
ZENO Applique
Medium
Ø 134mm

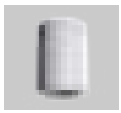
532
FLOOD

534
HALL



512
CCTLED
Tube Smart

512
CCTLED
Tube Tech



512
CCTLED
Tube Feel

536
SLIM
Wall

538
OSIRIDE

542
PROFESSIONAL

OZ Stand Alone

Ceiling

GENERAL INFO
Fixed multi-optic LED ceiling mounted fixture
Large version: 3x and 5x.
3x: 153x53mm h.100mm
5x: 253x53mm h.100mm

LED
High efficiency LED Chip on Board
From 1419lm to 4260lm
2700K – 3000K – 3500K – 4000K
Ra90

PRODUCT EFFICACY
Up to 101lm/W

OPTICS
SP – FL – MWFL
AM – ELT – ELL

POWER SUPPLY
Electronic and DALI driver integrated into the body of the fixture.
Casambi control system available with an accessory (only for DALI version products).

MATERIAL
Black or white painted die-cast aluminium body with black polycarbonate frame.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

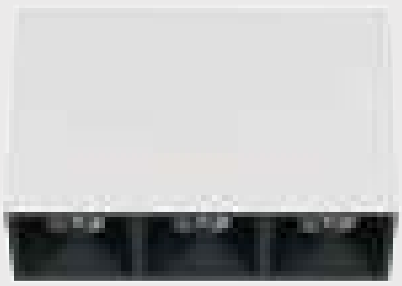
New concept ceiling fixtures with miniature optics inspired by the 48V OZ. Available only in the Large version for ceiling installations.

The range is enriched with the addition of three new AM optical systems for soft and diffused general lighting, ELT and ELL - with a transversal elliptical (ELT) or longitudinal beam (ELL) - , ideal for controlled lighting in corridors and passage ways.

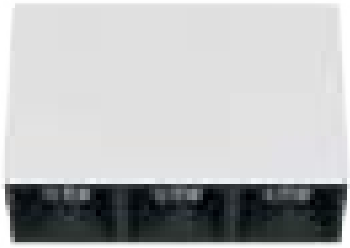
All the optical systems available make Oz Stand Alone suitable for installation in work environments (EN12464-1).

Large and Small versions also available for recessed installation with 1x, 3x and 5x modules.

		LARGE	
		3x	5x
Ambient Optics	AM	•	•
Roto-symmetric Optics	SP	•	•
	FL	•	•
	WFL	•	•
Elliptical Optics	ELL	•	•
	ELT	•	•

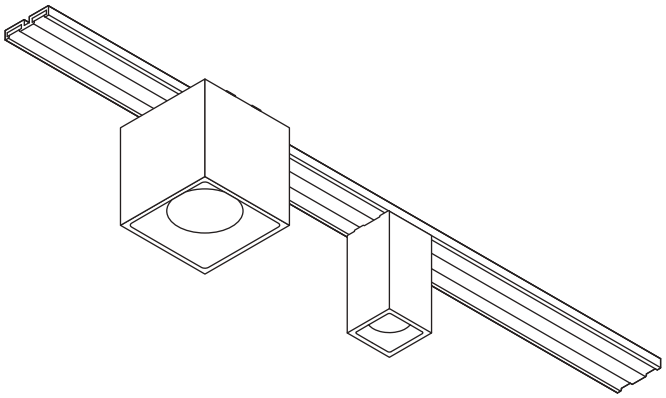


Plus



OZ 48V - the same family feeling

The same design, similar performance characteristics with a conceptually different installation philosophy.Small points of light provided by single or multiple elements that are self-sufficient, contrast with the concept of a system which is inspired on the other hand by a continuous line that develops in the space.

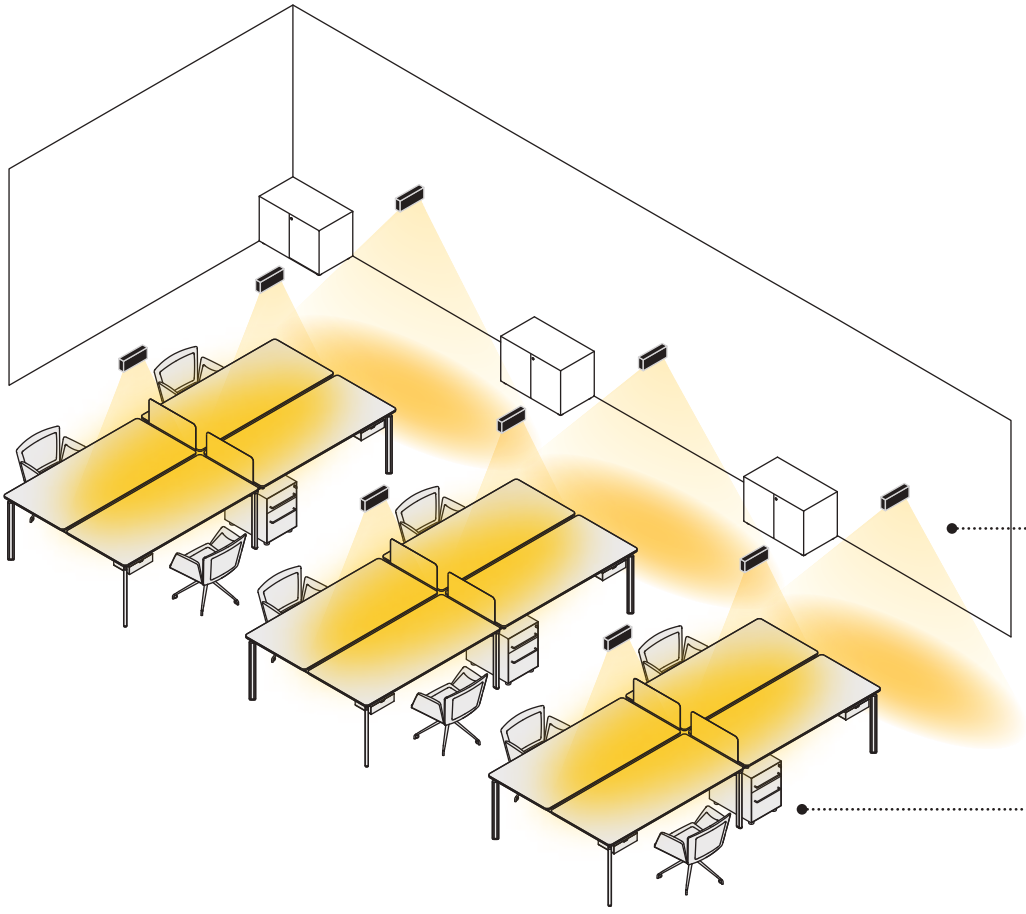


OZ System 48V

		SMALL		LARGE	
Ambient Optics	AM	UGR<14		UGR<14	
Roto-symmetric Optics	SP	UGR<13		UGR<17	
	FL	UGR<13		UGR<17	
	WFL	UGR<13		UGR<17	
Elliptical Optics	ELL	UGR<13	UGR<22	UGR<13	UGR<22
	ELT	UGR<22	UGR<13	UGR<22	UGR<13

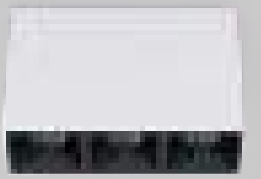
New optical systems to interpret space

The new optical systems in the Oz Stand Alone range are designed to light space while enhancing flexibility. It is possible to select the desired optical system according to the conformation of the environment and furnishings to obtain comfortable and functional light distribution in compliance with regulations governing lighting in working environments.
The different optical systems available make it possible to interpret space in different ways to satisfy different requirements and tastes.

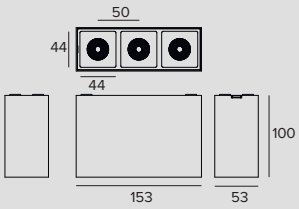


Transversal Elliptical Optic
(ELT)
for passage ways

Longitudinal Elliptical Optic
(ELL)
for work environments



Stand Alone Ceiling Luminaire Large 3X 153x53mm



LED / 18W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7890EL**	**1T7891EL**	**1T7892EL**	**1T7893EL**
EL.	●	**1T7902EL**	**1T7903EL**	**1T7904EL**	**1T7905EL**
DALI	○	**1T7890DA**	**1T7891DA**	**1T7892DA**	**1T7893DA**
DALI	●	**1T7902DA**	**1T7903DA**	**1T7904DA**	**1T7905DA**

LED / 18W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7894EL**	**1T7895EL**	**1T7896EL**	**1T7897EL**
EL.	●	**1T7906EL**	**1T7907EL**	**1T7908EL**	**1T7909EL**
DALI	○	**1T7894DA**	**1T7895DA**	**1T7896DA**	**1T7897DA**
DALI	●	**1T7906DA**	**1T7907DA**	**1T7908DA**	**1T7909DA**

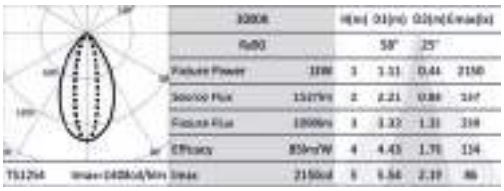
LED / 18W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7898EL**	**1T7899EL**	**1T7900EL**	**1T7901EL**
EL.	●	**1T7910EL**	**1T7911EL**	**1T7912EL**	**1T7913EL**
DALI	○	**1T7898DA**	**1T7899DA**	**1T7900DA**	**1T7901DA**
DALI	●	**1T7910DA**	**1T7911DA**	**1T7912DA**	**1T7913DA**

LED / 18W / REFLECTOR / AM

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8898EL**	**1T8899EL**	**1T8900EL**	**1T8901EL**
EL.	●	**1T8910EL**	**1T8911EL**	**1T8912EL**	**1T8913EL**
DALI	○	**1T8898DA**	**1T8899DA**	**1T8900DA**	**1T8901DA**
DALI	●	**1T8910DA**	**1T8911DA**	**1T8912DA**	**1T8913DA**

LED / 11W / REFLECTOR / ELL

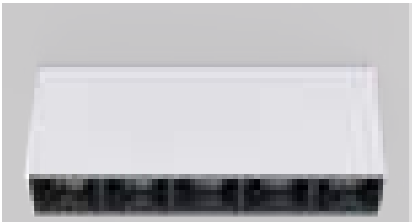


Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8902EL**	**1T8903EL**	**1T8904EL**	**1T8905EL**
EL.	●	**1T8914EL**	**1T8915EL**	**1T8916EL**	**1T8917EL**
DALI	○	**1T8902DA**	**1T8903DA**	**1T8904DA**	**1T8905DA**
DALI	●	**1T8914DA**	**1T8915DA**	**1T8916DA**	**1T8917DA**

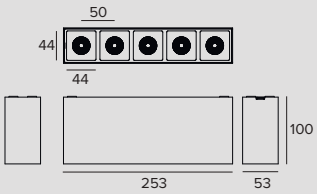
OZ

LED / 11W / REFLECTOR / ELT

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8906EL**	**1T8907EL**	**1T8908EL**	**1T8909EL**
EL.	●	**1T8918EL**	**1T8919EL**	**1T8936EL**	**1T8937EL**
DALI	○	**1T8906DA**	**1T8907DA**	**1T8908DA**	**1T8909DA**
DALI	●	**1T8918DA**	**1T8919DA**	**1T8936DA**	**1T8937DA**



Stand Alone Ceiling Luminaire Large 5X 253x53mm



LED / 30W / REFLECTOR / SP

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7914EL**	**1T7915EL**	**1T7916EL**	**1T7917EL**
EL.	●	**1T7926EL**	**1T7927EL**	**1T7928EL**	**1T7929EL**
DALI	○	**1T7914DA**	**1T7915DA**	**1T7916DA**	**1T7917DA**
DALI	●	**1T7926DA**	**1T7927DA**	**1T7928DA**	**1T7929DA**

LED / 30W / REFLECTOR / FL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7918EL**	**1T7919EL**	**1T7920EL**	**1T7921EL**
EL.	●	**1T7930EL**	**1T7931EL**	**1T7932EL**	**1T7933EL**
DALI	○	**1T7918DA**	**1T7919DA**	**1T7920DA**	**1T7921DA**
DALI	●	**1T7930DA**	**1T7931DA**	**1T7932DA**	**1T7933DA**

LED / 30W / REFLECTOR / WFL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T7922EL**	**1T7923EL**	**1T7924EL**	**1T7925EL**
EL.	●	**1T7934EL**	**1T7935EL**	**1T7936EL**	**1T7937EL**
DALI	○	**1T7922DA**	**1T7923DA**	**1T7924DA**	**1T7925DA**
DALI	●	**1T7934DA**	**1T7935DA**	**1T7936DA**	**1T7937DA**

LED / 30W / REFLECTOR / AM

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8938EL**	**1T8939EL**	**1T8940EL**	**1T8941EL**
EL.	●	**1T8950EL**	**1T8951EL**	**1T8952EL**	**1T8953EL**
DALI	○	**1T8938DA**	**1T8939DA**	**1T8940DA**	**1T8941DA**
DALI	●	**1T8950DA**	**1T8951DA**	**1T8952DA**	**1T8953DA**

OZ

LED / 20W / REFLECTOR / ELL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8942EL**	**1T8943EL**	**1T8944EL**	**1T8945EL**
EL.	●	**1T8954EL**	**1T8955EL**	**1T8956EL**	**1T8957EL**
DALI	○	**1T8942DA**	**1T8943DA**	**1T8944DA**	**1T8945DA**
DALI	●	**1T8954DA**	**1T8955DA**	**1T8956DA**	**1T8957DA**

LED / 20W / REFLECTOR / ELT

Driver	Colour	2700K	3000K	3500K	4000K
EL.	○	**1T8946EL**	**1T8947EL**	**1T8948EL**	**1T8949EL**
EL.	●	**1T8958EL**	**1T8959EL**	**1T8960EL**	**1T8961EL**
DALI	○	**1T8946DA**	**1T8947DA**	**1T8948DA**	**1T8949DA**
DALI	●	**1T8958DA**	**1T8959DA**	**1T8960DA**	**1T8961DA**

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

LOGICO

Stand Alone Ceiling and Suspension luminaire

A versatile fixture available in three different lengths, each with Low- Power and High-Power lumen and different finishes and installation types.

It can be ceiling, wall or suspension installation if equipped with special accessories; is it is available with direct or direct/indirect diffused light, UGR<19 (EN-12464) L65<3000 cd/m^2 controlled light ideal for lighting workplaces or wall-washer for lighting large vertical surfaces. There are also versions available for recessed installation. In addition there are custom made solutions that are available on request: modules with custom made lengths, emergency modules and Tunable technology.

Emergency versions available on request after checking feasibility.

GENERAL INFO
Modules of variable lengths for ceiling, suspension, recessed and semi-recessed installations.
Lengths: 1135mm – 1695mm – 3377mm

LED
Linear Board LED engine
From 2108lm to 28960lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 109lm/W

OPTICS
OPAL – UGR – WW

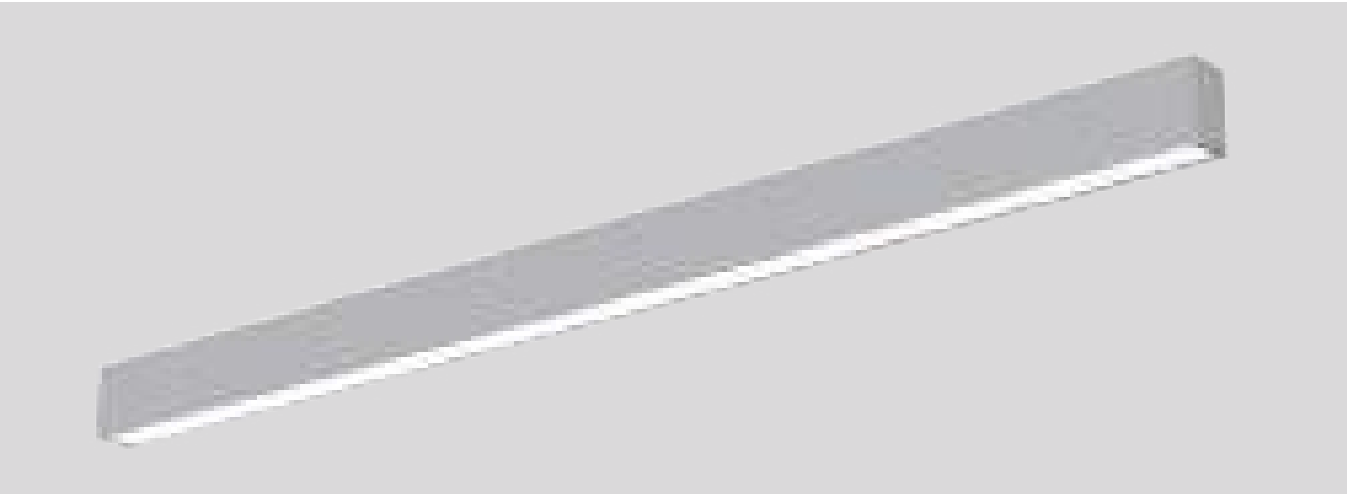
POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Powder coated, extruded, calendered aluminium.

ON DEMAND

Tunable White

110-277Vac power supply



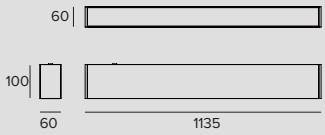
Zonamerica
Montevideo, Uruguay

Architect Estudio Dovat Arquitectos
Lighting Design Estudio Hofstadter

Photographer Ferrés - Cánepa

LOGICO

Stand Alone
Ceiling/Suspension
L. 1135mm



LED / 24W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5491EL**	**1T5492EL**
EL.	◐	**1T5495EL**	**1T5496EL**
EL.	◍	**1T5493EL**	**1T5494EL**
DALI	○	**1T5491DA**	**1T5492DA**
DALI	◐	**1T5495DA**	**1T5496DA**
DALI	◍	**1T5493DA**	**1T5494DA**

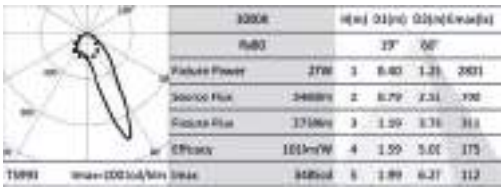
LED / 48W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5497EL**	**1T5498EL**
EL.	◐	**1T5501EL**	**1T5502EL**
EL.	◍	**1T5499EL**	**1T5500EL**
DALI	○	**1T5497DA**	**1T5498DA**
DALI	◐	**1T5501DA**	**1T5502DA**
DALI	◍	**1T5499DA**	**1T5500DA**

LED / 16W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5515EL**	**1T5516EL**
EL.	◐	**1T5519EL**	**1T5520EL**
EL.	◍	**1T5517EL**	**1T5518EL**
DALI	○	**1T5515DA**	**1T5516DA**
DALI	◐	**1T5519DA**	**1T5520DA**
DALI	◍	**1T5517DA**	**1T5518DA**

LED / 24W / DOWN WW



Driver	Colour	3000K	4000K
EL.	○	**1T5527EL**	**1T5528EL**
EL.	◐	**1T5531EL**	**1T5532EL**
EL.	◍	**1T5529EL**	**1T5530EL**
DALI	○	**1T5527DA**	**1T5528DA**
DALI	◐	**1T5531DA**	**1T5532DA**
DALI	◍	**1T5529DA**	**1T5530DA**

LED / 48W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5533EL**	**1T5534EL**
EL.	◐	**1T5537EL**	**1T5538EL**
EL.	◍	**1T5535EL**	**1T5536EL**
DALI	○	**1T5533DA**	**1T5534DA**
DALI	◐	**1T5537DA**	**1T5538DA**
DALI	◍	**1T5535DA**	**1T5536DA**

LOGICO

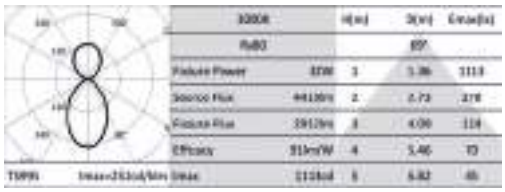
LED / 42W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5503EL**	**1T5504EL**
EL.	●	**1T5507EL**	**1T5508EL**
EL.	◍	**1T5505EL**	**1T5506EL**
DALI	○	**1T5503DA**	**1T5504DA**
DALI	●	**1T5507DA**	**1T5508DA**
DALI	◍	**1T5505DA**	**1T5506DA**

LED / 66W / UP-DOWN OPAL

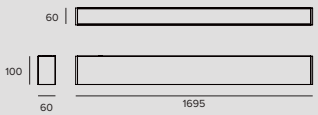
Driver	Colour	3000K	4000K
EL.	○	**1T5509EL**	**1T5510EL**
EL.	●	**1T5513EL**	**1T5514EL**
EL.	◍	**1T5511EL**	**1T5512EL**
DALI	○	**1T5509DA**	**1T5510DA**
DALI	●	**1T5513DA**	**1T5514DA**
DALI	◍	**1T5511DA**	**1T5512DA**

LED / 28W / UP-DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5521EL**	**1T5522EL**
EL.	●	**1T5525EL**	**1T5526EL**
EL.	◍	**1T5523EL**	**1T5524EL**
DALI	○	**1T5521DA**	**1T5522DA**
DALI	●	**1T5525DA**	**1T5526DA**
DALI	◍	**1T5523DA**	**1T5524DA**

Stand Alone
Ceiling/Suspension
L. 1695mm



LED / 36W / DOWN OPAL

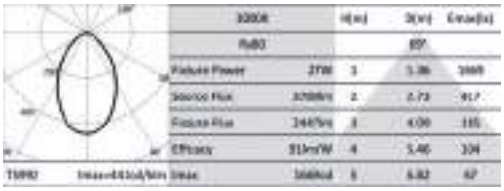
Driver	Colour	3000K	4000K
EL.	○	**1T5539EL**	**1T5540EL**
EL.	●	**1T5543EL**	**1T5544EL**
EL.	◍	**1T5541EL**	**1T5542EL**
DALI	○	**1T5539DA**	**1T5540DA**
DALI	●	**1T5543DA**	**1T5544DA**
DALI	◍	**1T5541DA**	**1T5542DA**

LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5545EL**	**1T5546EL**
EL.	●	**1T5549EL**	**1T5550EL**
EL.	◍	**1T5547EL**	**1T5548EL**
DALI	○	**1T5545DA**	**1T5546DA**
DALI	●	**1T5549DA**	**1T5550DA**
DALI	◍	**1T5547DA**	**1T5548DA**

LOGICO

LED / 24W / DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5563EL**	**1T5564EL**
EL.	◐	**1T5567EL**	**1T5568EL**
EL.	●	**1T5565EL**	**1T5566EL**
DALI	○	**1T5563DA**	**1T5564DA**
DALI	◐	**1T5567DA**	**1T5568DA**
DALI	●	**1T5565DA**	**1T5566DA**

LED / 36W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5575EL**	**1T5576EL**
EL.	◐	**1T5579EL**	**1T5580EL**
EL.	●	**1T5577EL**	**1T5578EL**
DALI	○	**1T5575DA**	**1T5576DA**
DALI	◐	**1T5579DA**	**1T5580DA**
DALI	●	**1T5577DA**	**1T5578DA**

LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5581EL**	**1T5582EL**
EL.	◐	**1T5585EL**	**1T5586EL**
EL.	●	**1T5583EL**	**1T5584EL**
DALI	○	**1T5581DA**	**1T5582DA**
DALI	◐	**1T5585DA**	**1T5586DA**
DALI	●	**1T5583DA**	**1T5584DA**

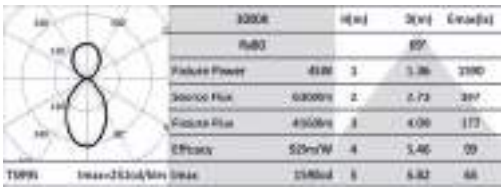
LED / 60W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5551EL**	**1T5552EL**
EL.	◐	**1T5555EL**	**1T5556EL**
EL.	●	**1T5553EL**	**1T5554EL**
DALI	○	**1T5551DA**	**1T5552DA**
DALI	◐	**1T5555DA**	**1T5556DA**
DALI	●	**1T5553DA**	**1T5554DA**

LED / 96W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5557EL**	**1T5558EL**
EL.	◐	**1T5561EL**	**1T5562EL**
EL.	●	**1T5559EL**	**1T5560EL**
DALI	○	**1T5557DA**	**1T5558DA**
DALI	◐	**1T5561DA**	**1T5562DA**
DALI	●	**1T5559DA**	**1T5560DA**

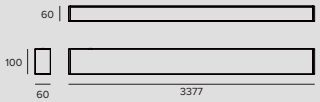
LED / 40W / UP-DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5569EL**	**1T5570EL**
EL.	◐	**1T5573EL**	**1T5574EL**
EL.	●	**1T5571EL**	**1T5572EL**
DALI	○	**1T5569DA**	**1T5570DA**
DALI	◐	**1T5573DA**	**1T5574DA**
DALI	●	**1T5571DA**	**1T5572DA**

LOGICO

Stand Alone
Ceiling/Suspension
L. 3377mm



LED / 72W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5587EL**	**1T5588EL**
EL.	●	**1T5591EL**	**1T5592EL**
EL.	◍	**1T5589EL**	**1T5590EL**
DALI	○	**1T5587DA**	**1T5588DA**
DALI	●	**1T5591DA**	**1T5592DA**
DALI	◍	**1T5589DA**	**1T5590DA**

LED / 144W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5593EL**	**1T5594EL**
EL.	●	**1T5597EL**	**1T5598EL**
EL.	◍	**1T5595EL**	**1T5596EL**
DALI	○	**1T5593DA**	**1T5594DA**
DALI	●	**1T5597DA**	**1T5598DA**
DALI	◍	**1T5595DA**	**1T5596DA**

LED / 48W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T5611EL**	**1T5612EL**
EL.	●	**1T5615EL**	**1T5616EL**
EL.	◍	**1T5613EL**	**1T5614EL**
DALI	○	**1T5611DA**	**1T5612DA**
DALI	●	**1T5615DA**	**1T5616DA**
DALI	◍	**1T5613DA**	**1T5614DA**

LED / 72W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5623EL**	**1T5624EL**
EL.	●	**1T5627EL**	**1T5628EL**
EL.	◍	**1T5625EL**	**1T5626EL**
DALI	○	**1T5623DA**	**1T5624DA**
DALI	●	**1T5627DA**	**1T5628DA**
DALI	◍	**1T5625DA**	**1T5626DA**

LED / 144W / DOWN WW

Driver	Colour	3000K	4000K
EL.	○	**1T5629EL**	**1T5630EL**
EL.	●	**1T5633EL**	**1T5634EL**
EL.	◍	**1T5631EL**	**1T5632EL**
DALI	○	**1T5629DA**	**1T5630DA**
DALI	●	**1T5633DA**	**1T5634DA**
DALI	◍	**1T5631DA**	**1T5632DA**

LOGICO

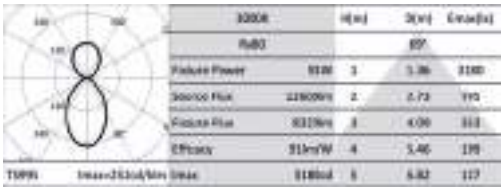
LED / 120W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5599EL**	**1T5600EL**
EL.	◐	**1T5603EL**	**1T5604EL**
EL.	●	**1T5601EL**	**1T5602EL**
DALI	○	**1T5599DA**	**1T5600DA**
DALI	◐	**1T5603DA**	**1T5604DA**
DALI	●	**1T5601DA**	**1T5602DA**

LED / 192W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T5605EL**	**1T5606EL**
EL.	◐	**1T5609EL**	**1T5610EL**
EL.	●	**1T5607EL**	**1T5608EL**
DALI	○	**1T5605DA**	**1T5606DA**
DALI	◐	**1T5609DA**	**1T5610DA**
DALI	●	**1T5607DA**	**1T5608DA**

LED / 80W / UP-DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T5617EL**	**1T5618EL**
EL.	◐	**1T5621EL**	**1T5622EL**
EL.	●	**1T5619EL**	**1T5620EL**
DALI	○	**1T5617DA**	**1T5618DA**
DALI	◐	**1T5621DA**	**1T5622DA**
DALI	●	**1T5619DA**	**1T5620DA**

Note

Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

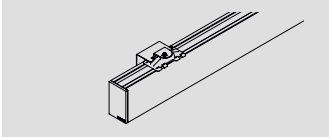
Direct/indirect version: single switch.

Related codes

Mounting System

Colour	Code
○	**1T5912**
◐	**1T5913**
●	**1T5914**

Ceiling installation: polycarbonate bracket.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.



Colour	Code
○	**1T6919**
◐	**1T6920**
●	**1T6921**

Wall installation: painted metal bracket.
To be ordered in the following quantities for every fixture length: 1 for the 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version and 3 for the 3364 / 3377mm version.

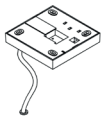
LOGICO

Suspension

	L	Colour	Code
	2000	○	**1T5899**
	2000	◐	**1T5900**
	2000	●	**1T5901**
	4000	○	**1T5902**
	4000	◐	**1T5903**
	4000	●	**1T5904**

Suspension cable.
To be ordered in the following quantities for every fixture length:1 for 281mm version, 2 for the 562 / 1122 / 1135 / 1682 / 1695mm version, 3 for the 3364 / 3377mm version, 3 for the L/T version and 4 for the X version.
Suspension cable compatible with ceiling or wall installations, even inclined.

Power Supply Kit

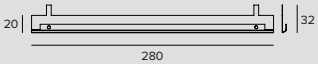


	L	Driver	Colour	Code
	4000	EL.	○	**1T5905EL**
	4000	EL.	◐	**1T5906EL**
	4000	EL.	●	**1T5907EL**
	4000	DALI	○	**1T5905DA**
	4000	DALI	◐	**1T5906DA**
	4000	DALI	●	**1T5907DA**

Suspension installation kit: power cable complete with a painted polycarbonate rosette.
Max 0.6kW.

Accessories

Screen



	Code
	1T6502

Accessory designed to improve the visual comfort of the Wall Washer version.
To be installed on a standard reflector.
Made of matte black painted aluminium.
280mm in length; to be ordered in the following quantities for every fixture length: 2 for the 562mm version, 4 for the 1122/1135/1146mm versions, 6 for the 1682/1695/1706mm versions and 12 for the 3364/3377/3386mm versions.

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

THREESIXTY

GENERAL INFO
Circular LED fixture for ceiling mounted, suspension and wall mounted installations.
Ø384mm - Ø590mm - Ø870mm - Ø1150mm

LED
Self-cooling circular boards.
From 1735lm to 44809lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 121lm/W

OPTICS
OPALE – UGR – OPALE+HALO – UGR+HALO

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Powder coated, extruded, calendered aluminium. High luminance transmission and light diffusion opaline polycarbonate lower diffusive screen. UGR Version: transparent micro prismatic PMMA lower diffusive screen and spreader lens.

ON DEMAND

Easy Custom Colour

Tunable White

110-277Vac power supply

A fixture with a pure and simple design in four different diameters and five different installation types: recessed, semi-recessed, ceiling mounted, suspension and wall mounted. Any light fixture can be configured in various ways when accessorised with different installation elements.

Available only with direct, direct/indirect light or in a direct light version combined with a slight indirect HALO component. a solution that is particularly suitable for the ceiling mounted, wall mounted or semi-recessed versions to create a soft frame of light. Also available in UGR<19 for the two smaller diameters (EN-12464 - L65<3000 cd/m^2).

The direct/indirect version is set up for three different effects: direct emission, indirect emission and mixed direct/indirect emission.

For recessed or semi-recessed installations it is necessary to order both the fixtures and the accessory outer casings.
The 384mm and 590mm versions can also be recessed wall installed using a special accessory outer casing.

Emergency versions available on request after checking feasibility.

Plus

Ø 1150mm
LP - HP
Opal

Ø 870mm
LP - HP
Opal

Ø 590mm
LP - HP
Opal, UGR

Ø 384mm
LP - HP
Opal, UGR

Four different diameters

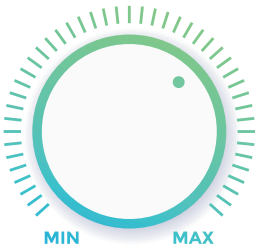
To light spaces with different characteristics.
Compact solutions to light environments with limited heights and large size fixtures to light great heights and showrooms.

A wide range of direct or direct/indirect lighting effects

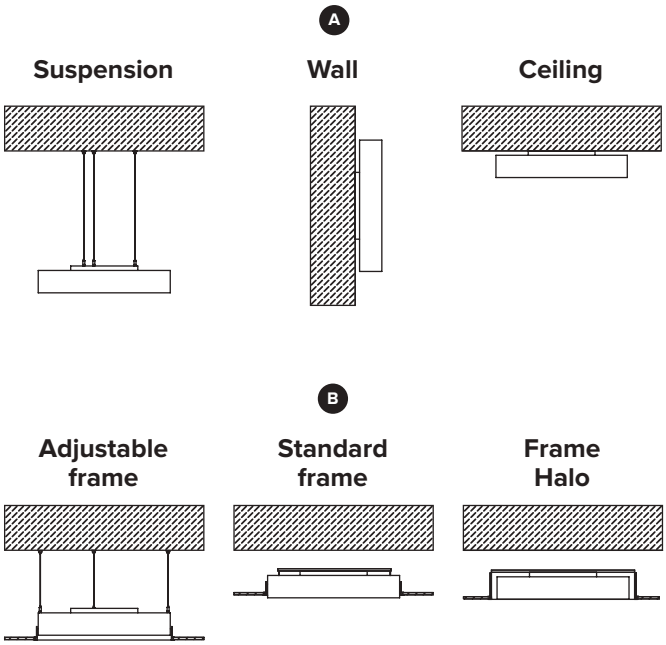
Diffused light, controlled light UGR<19 and a particular Halo effect

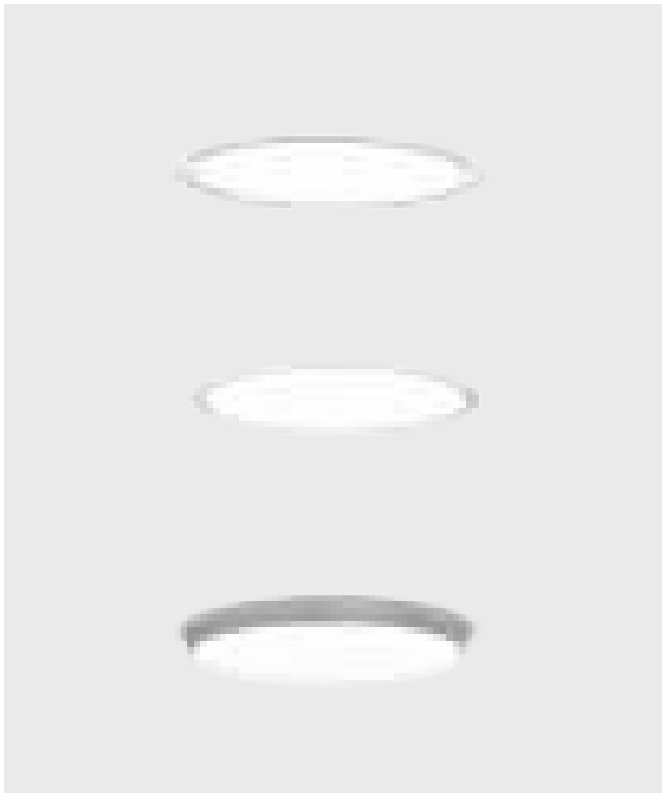
Dimmable light

The Threesixty DALI versions can be dimmed from 10% to 100% with amplitude modulation AM. Dimming is possible by modifying the drive current and not by turning the LED source on or off. This avoids flicker and makes the fixture suitable for installation even in environments where videos are recorded.



10% 100%





A **Suspension, Wall and ceiling mounted**
The fixture can be ceiling or wall mounted without the use of any accessories. For suspension installation a special suspension kit must be used.

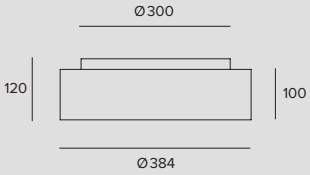
B **Recessed - Semi Recessed**
For recessed or semi-recessed installations it must be completed with special outer casings.

- The 384 mm and 590 mm versions are compatible with an accessory standard or HALO version load bearing outer frame that attaches directly to the false ceiling.
- The 384 mm, 590 mm, 870 mm and 1150 mm versions are compatible with a recessed non load bearing frame that attaches to the main ceiling.

Different lumen packages
For every diameter to light spaces with the same design.

THREESIXTY

Ø 384mm



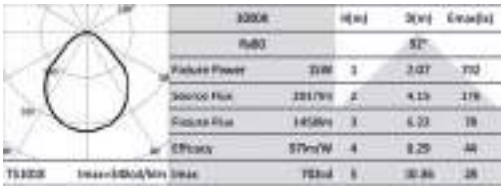
LED / 21W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6066EL**	**1T6067EL**
EL.	◐	**1T6070EL**	**1T6071EL**
EL.	◍	**1T6068EL**	**1T6069EL**
DALI	○	**1T6066DA**	**1T6067DA**
DALI	◐	**1T6070DA**	**1T6071DA**
DALI	◍	**1T6068DA**	**1T6069DA**

LED / 29W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6072EL**	**1T6073EL**
EL.	◐	**1T6076EL**	**1T6077EL**
EL.	◍	**1T6074EL**	**1T6075EL**
DALI	○	**1T6072DA**	**1T6073DA**
DALI	◐	**1T6076DA**	**1T6077DA**
DALI	◍	**1T6074DA**	**1T6075DA**

LED / 13W / DOWN UGR

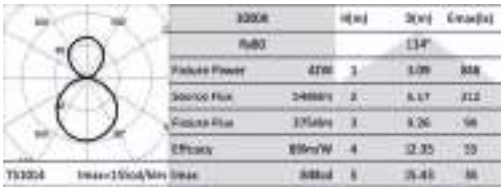


Driver	Colour	3000K	4000K
EL.	○	**1T6102EL**	**1T6103EL**
EL.	◐	**1T6106EL**	**1T6107EL**
EL.	◍	**1T6104EL**	**1T6105EL**
DALI	○	**1T6102DA**	**1T6103DA**
DALI	◐	**1T6106DA**	**1T6107DA**
DALI	◍	**1T6104DA**	**1T6105DA**

LED / 29W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6090EL**	**1T6091EL**
EL.	◐	**1T6094EL**	**1T6095EL**
EL.	◍	**1T6092EL**	**1T6093EL**
DALI	○	**1T6090DA**	**1T6091DA**
DALI	◐	**1T6094DA**	**1T6095DA**
DALI	◍	**1T6092DA**	**1T6093DA**

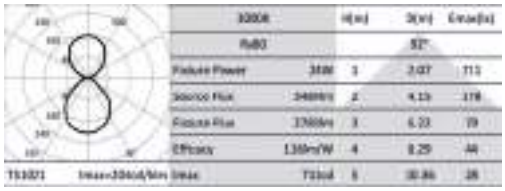
LED / 37W / UP-DOWN OPAL



Driver	Colour	3000K	4000K
EL.	○	**1T6096EL**	**1T6097EL**
EL.	◐	**1T6100EL**	**1T6101EL**
EL.	◍	**1T6098EL**	**1T6099EL**
DALI	○	**1T6096DA**	**1T6097DA**
DALI	◐	**1T6100DA**	**1T6101DA**
DALI	◍	**1T6098DA**	**1T6099DA**

THREESIXTY

LED / 21W / UP-DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T6126EL**	**1T6127EL**
EL.	●	**1T6130EL**	**1T6131EL**
EL.	◌	**1T6128EL**	**1T6129EL**
DALI	○	**1T6126DA**	**1T6127DA**
DALI	●	**1T6130DA**	**1T6131DA**
DALI	◌	**1T6128DA**	**1T6129DA**

LED / 35W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6078EL**	**1T6079EL**
EL.	●	**1T6082EL**	**1T6083EL**
EL.	◌	**1T6080EL**	**1T6081EL**
DALI	○	**1T6078DA**	**1T6079DA**
DALI	●	**1T6082DA**	**1T6083DA**
DALI	◌	**1T6080DA**	**1T6081DA**

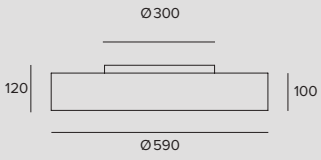
LED / 43W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6084EL**	**1T6085EL**
EL.	●	**1T6088EL**	**1T6089EL**
EL.	◌	**1T6086EL**	**1T6087EL**
DALI	○	**1T6084DA**	**1T6085DA**
DALI	●	**1T6088DA**	**1T6089DA**
DALI	◌	**1T6086DA**	**1T6087DA**

LED / 27W / UGR + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6114EL**	**1T6115EL**
EL.	●	**1T6118EL**	**1T6119EL**
EL.	◌	**1T6116EL**	**1T6117EL**
DALI	○	**1T6114DA**	**1T6115DA**
DALI	●	**1T6118DA**	**1T6119DA**
DALI	◌	**1T6116DA**	**1T6117DA**

Ø 590mm



LED / 50W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6138EL**	**1T6139EL**
EL.	●	**1T6142EL**	**1T6143EL**
EL.	◌	**1T6140EL**	**1T6141EL**
DALI	○	**1T6138DA**	**1T6139DA**
DALI	●	**1T6142DA**	**1T6143DA**
DALI	◌	**1T6140DA**	**1T6141DA**

THREESIXTY

LED / 67W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6144EL**	**1T6145EL**
EL.	◐	**1T6148EL**	**1T6149EL**
EL.	◍	**1T6146EL**	**1T6147EL**
DALI	○	**1T6144DA**	**1T6145DA**
DALI	◐	**1T6148DA**	**1T6149DA**
DALI	◍	**1T6146DA**	**1T6147DA**

LED / 31W / DOWN UGR

Driver	Colour	3000K	4000K
EL.	○	**1T6174EL**	**1T6175EL**
EL.	◐	**1T6178EL**	**1T6179EL**
EL.	◍	**1T6176EL**	**1T6177EL**
DALI	○	**1T6174DA**	**1T6175DA**
DALI	◐	**1T6178DA**	**1T6179DA**
DALI	◍	**1T6176DA**	**1T6177DA**

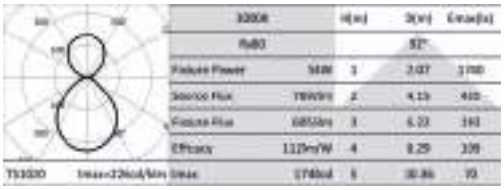
LED / 67W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6162EL**	**1T6163EL**
EL.	◐	**1T6166EL**	**1T6167EL**
EL.	◍	**1T6164EL**	**1T6165EL**
DALI	○	**1T6162DA**	**1T6163DA**
DALI	◐	**1T6166DA**	**1T6167DA**
DALI	◍	**1T6164DA**	**1T6165DA**

LED / 84W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6168EL**	**1T6169EL**
EL.	◐	**1T6172EL**	**1T6173EL**
EL.	◍	**1T6170EL**	**1T6171EL**
DALI	○	**1T6168DA**	**1T6169DA**
DALI	◐	**1T6172DA**	**1T6173DA**
DALI	◍	**1T6170DA**	**1T6171DA**

LED / 48W / UP-DOWN UGR



Driver	Colour	3000K	4000K
EL.	○	**1T6198EL**	**1T6199EL**
EL.	◐	**1T6202EL**	**1T6203EL**
EL.	◍	**1T6200EL**	**1T6201EL**
DALI	○	**1T6198DA**	**1T6199DA**
DALI	◐	**1T6202DA**	**1T6203DA**
DALI	◍	**1T6200DA**	**1T6201DA**

LED / 70W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6150EL**	**1T6151EL**
EL.	◐	**1T6154EL**	**1T6155EL**
EL.	◍	**1T6152EL**	**1T6153EL**
DALI	○	**1T6150DA**	**1T6151DA**
DALI	◐	**1T6154DA**	**1T6155DA**
DALI	◍	**1T6152DA**	**1T6153DA**

THREESIXTY

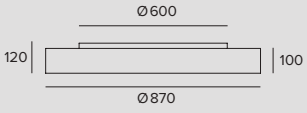
LED / 87W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6156EL**	**1T6157EL**
EL.	●	**1T6160EL**	**1T6161EL**
EL.	◍	**1T6158EL**	**1T6159EL**
DALI	○	**1T6156DA**	**1T6157DA**
DALI	●	**1T6160DA**	**1T6161DA**
DALI	◍	**1T6158DA**	**1T6159DA**

LED / 51W / UGR + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6186EL**	**1T6187EL**
EL.	●	**1T6190EL**	**1T6191EL**
EL.	◍	**1T6188EL**	**1T6189EL**
DALI	○	**1T6186DA**	**1T6187DA**
DALI	●	**1T6190DA**	**1T6191DA**
DALI	◍	**1T6188DA**	**1T6189DA**

Ø 870mm



LED / 113W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6210EL**	**1T6211EL**
EL.	●	**1T6214EL**	**1T6215EL**
EL.	◍	**1T6212EL**	**1T6213EL**
DALI	○	**1T6210DA**	**1T6211DA**
DALI	●	**1T6214DA**	**1T6215DA**
DALI	◍	**1T6212DA**	**1T6213DA**

LED / 144W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6216EL**	**1T6217EL**
EL.	●	**1T6220EL**	**1T6221EL**
EL.	◍	**1T6218EL**	**1T6219EL**
DALI	○	**1T6216DA**	**1T6217DA**
DALI	●	**1T6220DA**	**1T6221DA**
DALI	◍	**1T6218DA**	**1T6219DA**

LED / 146W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6234EL**	**1T6235EL**
EL.	●	**1T6238EL**	**1T6239EL**
EL.	◍	**1T6236EL**	**1T6237EL**
DALI	○	**1T6234DA**	**1T6235DA**
DALI	●	**1T6238DA**	**1T6239DA**
DALI	◍	**1T6236DA**	**1T6237DA**

THREESIXTY

LED / 177W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6240EL**	**1T6241EL**
EL.	◐	**1T6244EL**	**1T6245EL**
EL.	●	**1T6242EL**	**1T6243EL**
DALI	○	**1T6240DA**	**1T6241DA**
DALI	◐	**1T6244DA**	**1T6245DA**
DALI	●	**1T6242DA**	**1T6243DA**

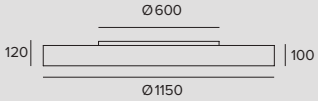
LED / 145W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6222EL**	**1T6223EL**
EL.	◐	**1T6226EL**	**1T6227EL**
EL.	●	**1T6224EL**	**1T6225EL**
DALI	○	**1T6222DA**	**1T6223DA**
DALI	◐	**1T6226DA**	**1T6227DA**
DALI	●	**1T6224DA**	**1T6225DA**

LED / 176W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6228EL**	**1T6229EL**
EL.	◐	**1T6232EL**	**1T6233EL**
EL.	●	**1T6230EL**	**1T6231EL**
DALI	○	**1T6228DA**	**1T6229DA**
DALI	◐	**1T6232DA**	**1T6233DA**
DALI	●	**1T6230DA**	**1T6231DA**

Ø 1150mm



LED / 182W / DOWN OPAL

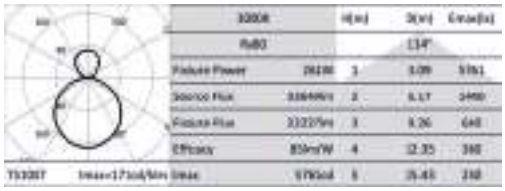
Driver	Colour	3000K	4000K
EL.	○	**1T6246EL**	**1T6247EL**
EL.	◐	**1T6250EL**	**1T6251EL**
EL.	●	**1T6248EL**	**1T6249EL**
DALI	○	**1T6246DA**	**1T6247DA**
DALI	◐	**1T6250DA**	**1T6251DA**
DALI	●	**1T6248DA**	**1T6249DA**

LED / 243W / DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6252EL**	**1T6253EL**
EL.	◐	**1T6256EL**	**1T6257EL**
EL.	●	**1T6254EL**	**1T6255EL**
DALI	○	**1T6252DA**	**1T6253DA**
DALI	◐	**1T6256DA**	**1T6257DA**
DALI	●	**1T6254DA**	**1T6255DA**

THREESIXTY

LED / 234W / UP-DOWN OPAL



Driver	Colour	3000K	4000K
EL.	○	**1T6270EL**	**1T6271EL**
EL.	●	**1T6274EL**	**1T6275EL**
EL.	◌	**1T6272EL**	**1T6273EL**
DALI	○	**1T6270DA**	**1T6271DA**
DALI	●	**1T6274DA**	**1T6275DA**
DALI	◌	**1T6272DA**	**1T6273DA**

LED / 294W / UP-DOWN OPAL

Driver	Colour	3000K	4000K
EL.	○	**1T6276EL**	**1T6277EL**
EL.	●	**1T6280EL**	**1T6281EL**
EL.	◌	**1T6278EL**	**1T6279EL**
DALI	○	**1T6276DA**	**1T6277DA**
DALI	●	**1T6280DA**	**1T6281DA**
DALI	◌	**1T6278DA**	**1T6279DA**

LED / 225W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6258EL**	**1T6259EL**
EL.	●	**1T6262EL**	**1T6263EL**
EL.	◌	**1T6260EL**	**1T6261EL**
DALI	○	**1T6258DA**	**1T6259DA**
DALI	●	**1T6262DA**	**1T6263DA**
DALI	◌	**1T6260DA**	**1T6261DA**

LED / 286W / OPAL + HALO

Driver	Colour	3000K	4000K
EL.	○	**1T6264EL**	**1T6265EL**
EL.	●	**1T6268EL**	**1T6269EL**
EL.	◌	**1T6266EL**	**1T6267EL**
DALI	○	**1T6264DA**	**1T6265DA**
DALI	●	**1T6268DA**	**1T6269DA**
DALI	◌	**1T6266DA**	**1T6267DA**

Note

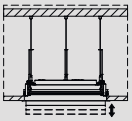
DIRECT/INDIRECT VERSION: Fitted with separate switches. Three different light effects available: direct light, indirect light and mixed direct/indirect light.

Check mounting instructions to verify the quantity of DALI drivers installed.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

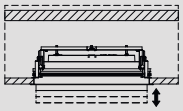
Related codes

Insertion Box



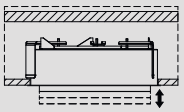
Cutout hole	Dimensions ØxH	Colour	Code
Ø410	421x99	○	**1T6291**
Ø410	421x99	●	**1T6292**
Ø410	421x99	◍	**1T6293**
Ø615	627x99	○	**1T6294**
Ø615	627x99	●	**1T6295**
Ø615	627x99	◍	**1T6296**
Ø895	907x99	○	**1T6297**
Ø895	907x99	●	**1T6298**
Ø895	907x99	◍	**1T6299**
Ø1175	1187x99	○	**1T6300**
Ø1175	1187x99	●	**1T6301**
Ø1175	1187x99	◍	**1T6302**

Adjustable frame for semi or completely recessed installation.
Non load bearing frame compatible with all sizes.
Powder coated, extruded, calendered aluminium body.
The outer casing attaches to the ceiling with pre-galvanised steel brackets.
The fixture must then be fixed to the ceiling using a suspension cable with an ABS control system installed in the outer casing.
Minimum ceiling height 230mm.



Cutout hole	Dimensions ØxH	Colour	Code
Ø410	421x130	○	**1T6303**
Ø410	421x130	●	**1T6304**
Ø410	421x130	◍	**1T6305**
Ø615	627x130	○	**1T6306**
Ø615	627x130	●	**1T6307**
Ø615	627x130	◍	**1T6308**

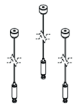
Frame for semi or completely recessed installation.
Load bearing outer frame measuring 384mm and 590mm.
Powder coated, extruded, calendered aluminium body.
The outer frame attaches to the ceiling with pre-galvanised steel brackets.
Standard Version.



Cutout hole	Dimensions ØxH	Colour	Code
Ø450	460x165	○	**1T6401**
Ø450	460x165	●	**1T6402**
Ø450	460x165	◍	**1T6403**
Ø660	670x165	○	**1T6404**
Ø660	670x165	●	**1T6405**
Ø660	670x165	◍	**1T6406**

Casing for semi or completely recessed installation.
Load bearing outer casing measuring 384mm and 590mm.
Powder coated, spun aluminium body.
The outer casing attaches to the ceiling with pre-galvanised steel brackets.
Halo Version.

Suspension



L	Colour	Code
2000	◍	**1T6282**
4000	◍	**1T6285**

Suspension kit composed of 3 steel cables with an ABS control system.
Suspension kit compatible with ceiling or wall installations, even inclined.

Power Supply Kit

Driver	Colour	Code
EL.	○	**1T6288EL**
EL.	●	**1T6289EL**
EL.	◍	**1T6290EL**
DALI	○	**1T6288DA**
DALI	●	**1T6289DA**
DALI	◍	**1T6290DA**

Accessory for suspension installation composed of a canopy and 3 or 5 poles complete with a 4000mm power cable.

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

ISO

GENERAL INFO
Stand-alone linear LED fixture for suspension installation.
2144x70x73mm

LED
LED Engine made of linear boards
From 3300 to 7129lm
2700K – 3000K – 3500K – 4000K
Ra90

PRODUCT EFFICACY
Up to 121lm/W

OPTICS
Diffused light with an opal screen - Highly reflective brushed aluminium reflector and an opaline polycarbonate screen. Controlled light UGR<19 (EN-12464) - Optical system composed of a highly reflective brushed aluminium reflector and a transparent polycarbonate screen coupled with a micro prismatic plate and a spreader lens.

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Painted extruded aluminium body and a painted aluminium optical unit and terminal. Opaline polycarbonate or UGR screen.

ON DEMAND

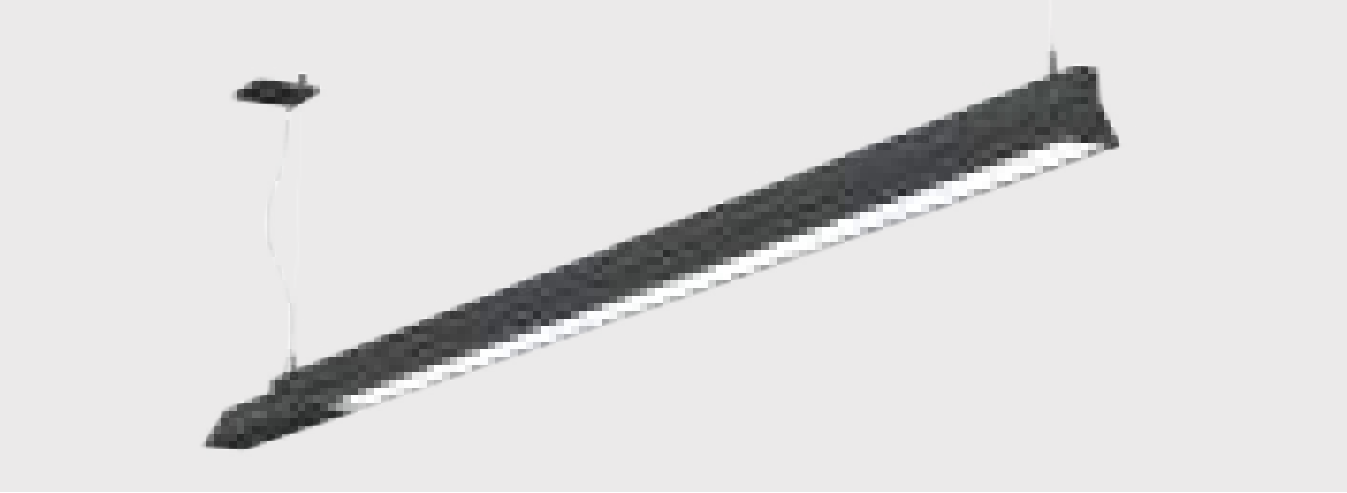
Easy Custom Colour

110-277Vac
power supply

Suspension fixture for office and hospitality environments designed in close collaboration with the American firm Gensler. Available with direct or direct/indirect emission with two different effects: diffused light and controlled light UGR<19 (EN-12464) L65<3000 cd/m^2.

L=840mm central indirect lighting.

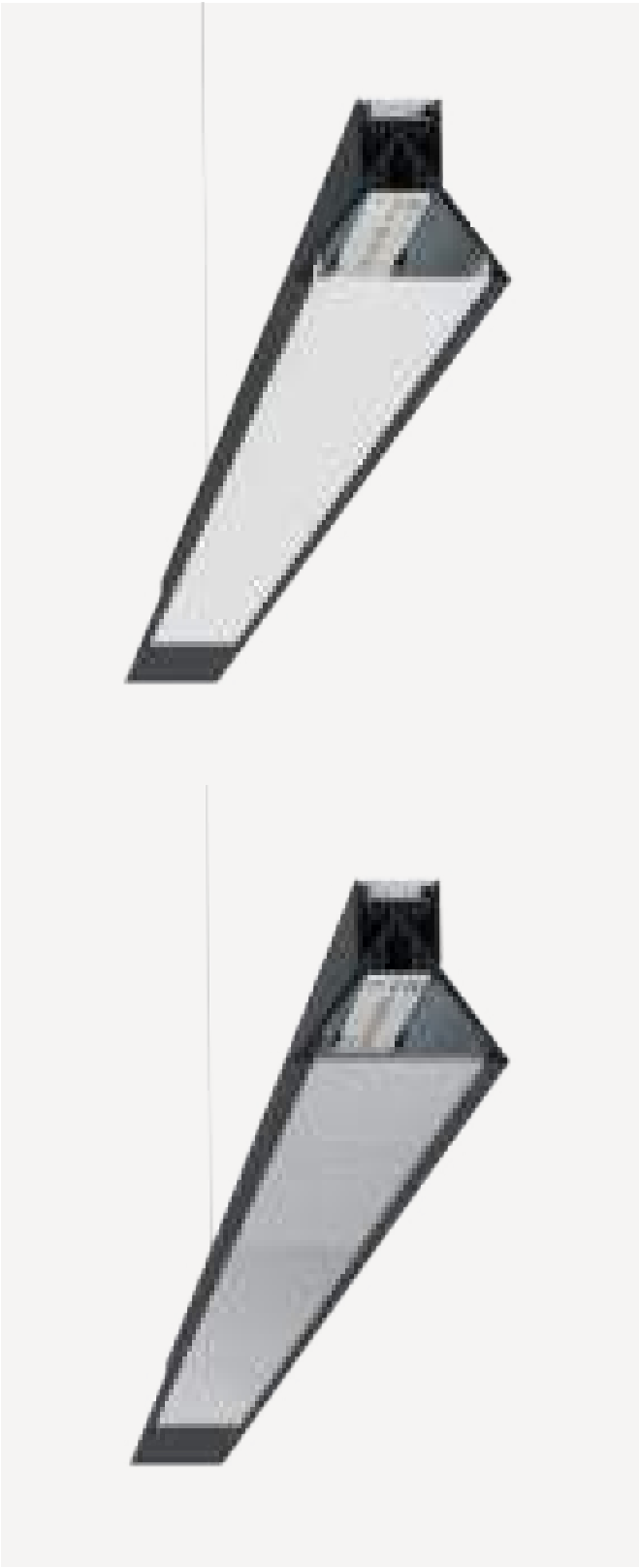
Also available in a version for ceiling installation.



Plus

Design
The union between the interpenetration of two solids produce a fixture with a recognisable yet discrete design, perfect to characterise modern spaces

Two optical systems
The two different optical systems it can use – OPAL and UGR – make it suitable for installation in OFFICE applications which are increasingly becoming open spaces, and in Hospitality projects which require not only visual comfort, but also attention to design and detail.



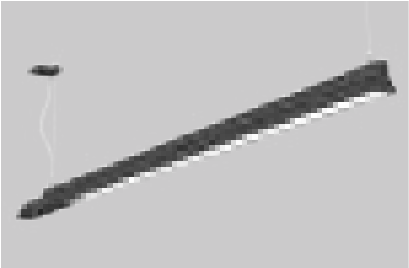
UGR<19 optic

The UGR version is focused entirely on visual comfort. The colour rendering index of CRI 90 and the perfect UGR screening allows for a pleasant and measured light.
The sophisticated optical system, comprised of a mirrored reflector and a particular prismatic screen, reduces the shadows and reflections that can cause disturbance on work surfaces, allowing for an unrestricted distribution of desks without having to bear in mind the position of the lighting units.

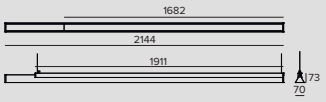
Opal optic

The diffused effect of ISO OPAL is the result of a mirrored reflector with an opal screen. The light emitted appears soft and widespread, particularly suitable for reception areas in offices, hotels and spaces. In the direct/indirect light version, a line of light is present on the upper part, complete with diffusing screen to provide even light on the ceiling.

ISO



Suspension
L. 2144mm



LED / 35W / DOWN OPAL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1T7179EL**	**1T7180EL**	**1T7181EL**	**1T7182EL**
DALI	●	**1T7179DA**	**1T7180DA**	**1T7181DA**	**1T7182DA**

LED / 16W / DOWN UGR

Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1T7193EL**	**1T7194EL**	**1T7195EL**	**1T7196EL**
DALI	●	**1T7193DA**	**1T7194DA**	**1T7195DA**	**1T7196DA**

LED / 54W / UP-DOWN OPAL

Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1T7183EL**	**1T7184EL**	**1T7191EL**	**1T7192EL**
DALI	●	**1T7183DA**	**1T7184DA**	**1T7191DA**	**1T7192DA**

LED / 36W / UP-DOWN UGR

Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1T7263EL**	**1T7264EL**	**1T7265EL**	**1T7266EL**
DALI	●	**1T7263DA**	**1T7264DA**	**1T7265DA**	**1T7266DA**

Note

Power supply kit and suspension kit L=4000mm supplied with the product.

ISO

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

OMEGA

GENERAL INFO
Stand-alone linear LED fixture for surface or suspension installations.
2112x50x80mm
792x50x80mm
472x50x80mm

LED
LED Engine made of linear boards
From 1049lm to 4392lm
2700K – 3000K – 3500K – 4000K
Ra90

PRODUCT EFFICACY
Up to 91lm/W

OPTICS
Direct emission Opal

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Anodized and painted extruded aluminium body.
Injection-moulded opal polycarbonate screen.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

The result of the collaboration with the architectural and design firm Gensler, Omega is a range of fixtures for coordinated lighting of work and hospitality environments in particular for reception areas and common areas. Available in different sizes and application types for ceiling, suspension and wall installation. For the wall version L=792mm it is now possible to choose between a Hi-Power and Low-Power solution.

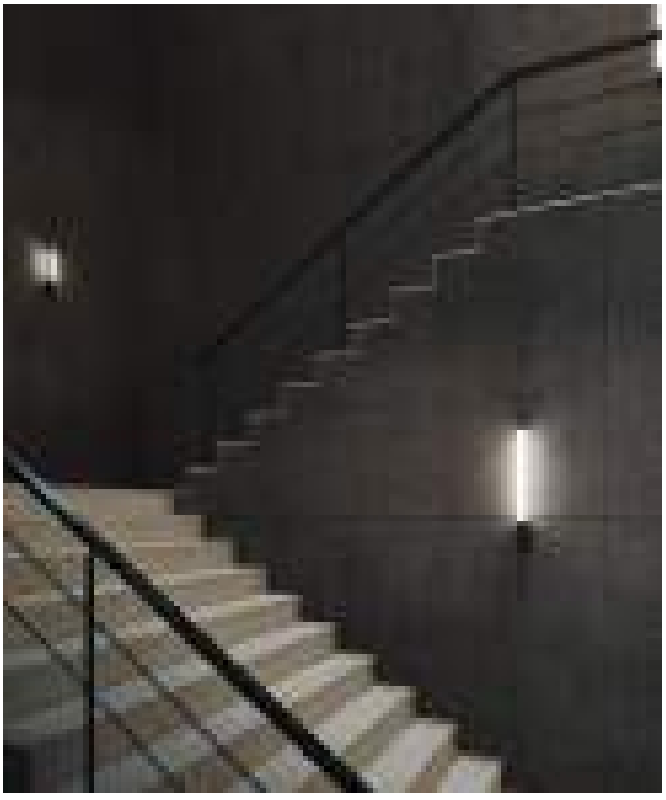
Plus

Design
The union between two pure shapes led to the development of a discrete, yet recognisable lighting fixture. A new 270° light emission that takes advantage of geometries and shapes and the interpenetration of two solids for a soft light that lights up the three-dimensionality of a space.

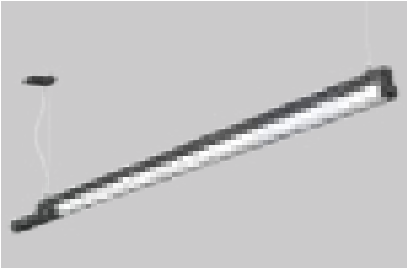
Suspension versions
The suspension versions are 2114 mm in length with a single direct point of emission, supplied complete with suspension kit.

Wall-mounted version
Wall versions are available in two different lengths (472mm and 792mm) and can be installed vertically or horizontally. They are ideal for lighting common areas and stairwells coordinated with general lighting supplied by longer versions.

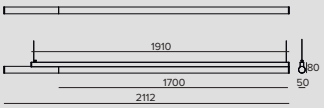
The L=792mm version is available with both Hi-Power and Low-Power solutions.



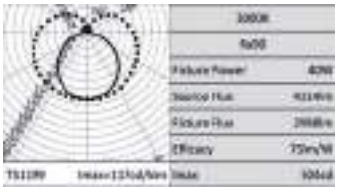
OMEGA



Suspension
L. 2112mm



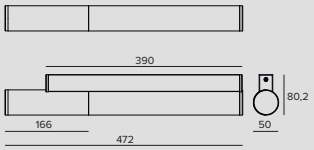
LED / 36W / DOWN OPAL



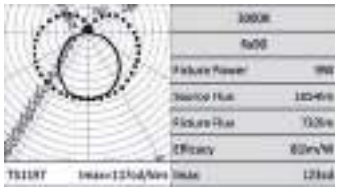
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T7267EL**	**1T7268EL**	**1T7275EL**	**1T7276EL**
DALI		**1T7267DA**	**1T7268DA**	**1T7275DA**	**1T7276DA**

OMEGA

Applique
L. 472mm

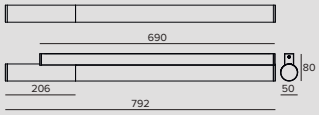


LED / 8W / DOWN OPAL

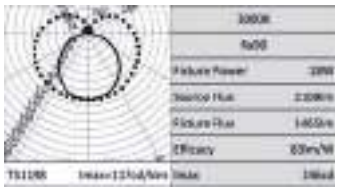


Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T7277EL**	**1T7278EL**	**1T7279EL**	**1T7280EL**
DALI		**1T7277DA**	**1T7278DA**	**1T7279DA**	**1T7280DA**

Applique
L. 792mm



LED / 16W / DOWN OPAL



Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T7343EL**	**1T7344EL**	**1T7357EL**	**1T7358EL**
DALI		**1T7343DA**	**1T7344DA**	**1T7357DA**	**1T7358DA**

LED / 23W / DOWN OPAL

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1T9519EL**	**1T9520EL**	**1T9521EL**	**1T9522EL**
DALI		**1T9519DA**	**1T9520DA**	**1T9521DA**	**1T9522DA**

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CARTESIO

GENERAL INFO
Direct/indirect light suspension, ceiling mounted luminaire.
1320x420x42mm

LED
Direct lighting LED boards
Indirect lighting LED COB
From 6402lm to 6833lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 116lm/W

OPTICS
UGR

POWER SUPPLY
Electronic – DALI

MATERIAL
Extruded aluminium body with aluminium terminals.
Plaster white finish.

ON DEMAND
Easy Custom Colour

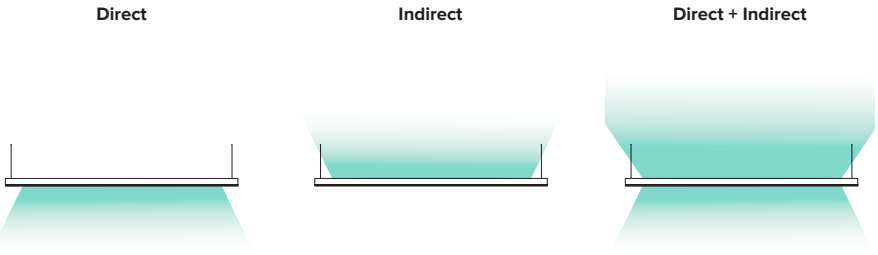
A range of fixtures dedicated to the work environment with soft lines and professional performance for suspension installations.

Cartesio offers different light emissions: direct indirect and combined direct/indirect in one fixture. The optical system has been developed to be suitable for use in workplaces UGR<19 (EN-12464) L65<3000 cd/m^2. Cartesio is designed to be installed in a continuous line by means of an accessory joint.

Plus

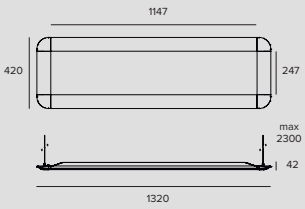
Lighting for the office

The rectangular Cartesio versions, fitted with the direct emission component guarantee more than 500lux on the work surface, in line with the requirements outlined in the EN12464-1 standard and have a UGR value of 16 which is considerably lower than the limits indicated in the standard (UGR<19), which ensures reliability and maximum freedom when designing spaces. In addition to this there is the indirect component that contributes to softly balancing the luminance to reduce user eyestrain and improve perception of the illuminated space.



CARTESIO

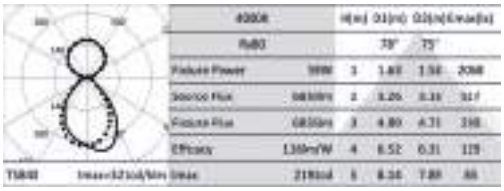
Rectangular Suspension UGR<19



LED / 48W / VWFL (UGR)

	Driver	Colour	3000K
	EL.	◯	**1T4063**
	DALI	◯	**1T4067**

LED / 52W / VWFL (UGR)



	Driver	Colour	4000K
	EL.	◯	**1T4065**
	DALI	◯	**1T4069**

Related codes

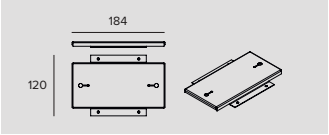
Canopy

	Driver	Colour	Code
	EL.	◯	**1T4071**
	DALI	◯	**1T4072**

Canopy.

Accessories

Mechanical connector



	Driver	Code
	EL.	**1T4075**
	DALI	**1T4240**

Linear connector.

Control systems

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

SLIM

Suspension

GENERAL INFO
Indirect or direct/indirect modular suspension for LED sources.

LED
Linear Board LED Low Power High Efficiency
From 2590lm to 11240lm
3000K
Ra80

PRODUCT EFFICACY
Up to 114lm/W

OPTICS
VWFL

POWER SUPPLY
Electronic

MATERIAL
Body made of extruded anodised aluminium. Polycarbonate lateral end caps. Transparent polycarbonate upper safety screen. Lower diffusive screen made of ribbed, extruded opal polycarbonate.

ON DEMAND

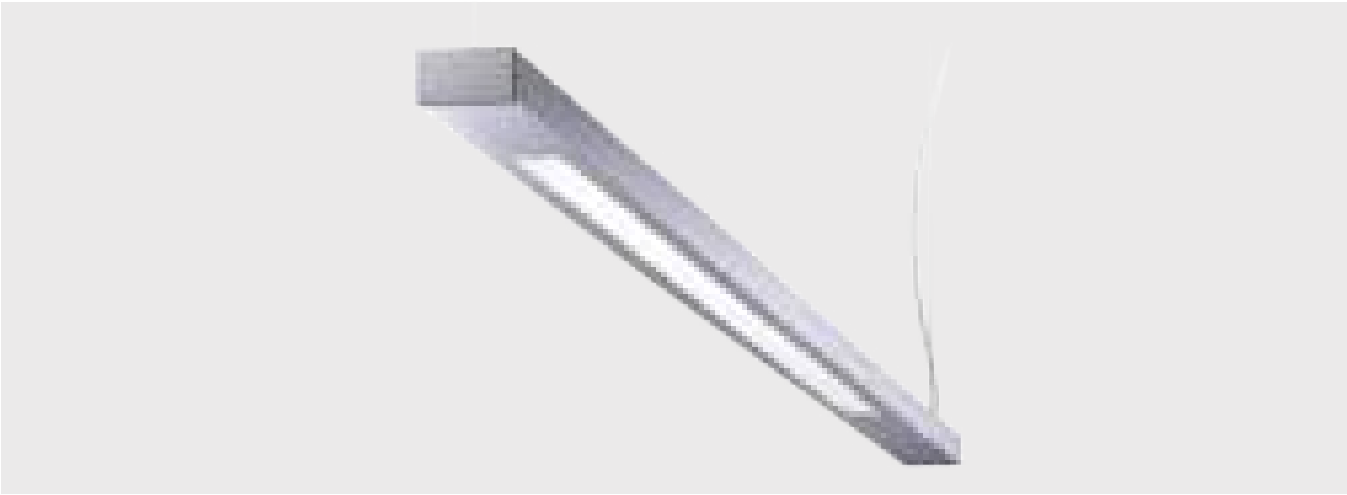
Ra Ra90

4000K

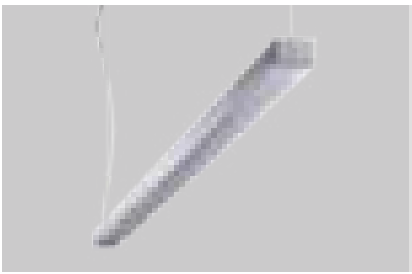
Minimal modular suspension fixture with indirect or direct/indirect light emission with a compact size to disappear into the environment to leave space for just the architecture and the light.

Available in a modular linear system version or stand alone.

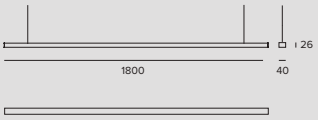
Coordinable with the indirect or direct/indirect light wall solution.



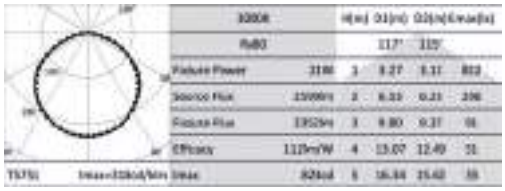
SLIM



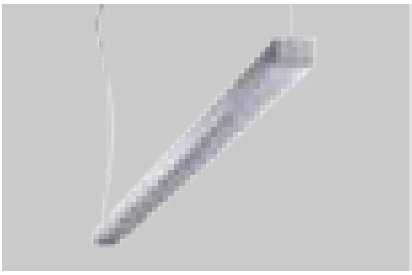
Line Indirect
L. 1800mm



LED / 18W / INDIRECT / VWFL



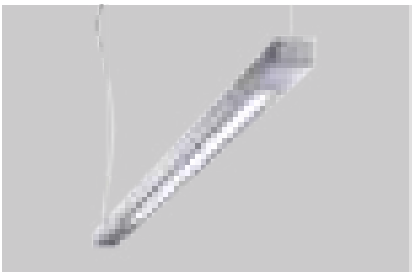
Driver	Colour	3000K
EL.		**1T4186**



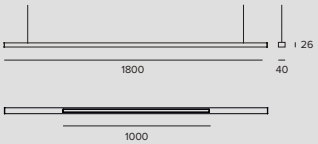
Line Indirect
L. 3370mm

LED / 36W / INDIRECT / VWFL

Driver	Colour	3000K
EL.		**1T4188**



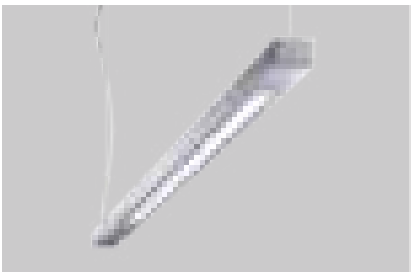
Line Direct/Indirect
L. 1800mm



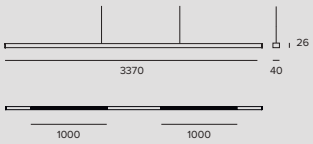
LED / 39W / DIRECT/INDIRECT / VWFL

Driver	Colour	3000K
EL.		**1T4187**

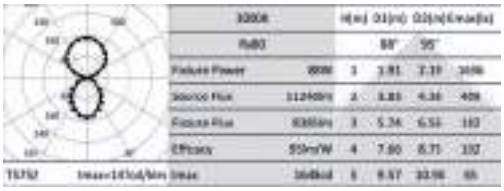
SLIM



Line Direct/Indirect
L. 3370mm



LED / 78W / DIRECT/INDIRECT / VWFL



	Driver	Colour	3000K
	EL.		**1T4189**

Related codes

Power Supply Kit

	Code
	1V7213

Off-centre circular canopy complete with feeding cable L 2000mm.
Maximum power 2kW.
For single switching.

	Code
	1V7523

Off-centre square canopy complete with feeding cable L 2000mm.
Maximum power 2kW.
For single switching.

Accessories

Canopy

	Code
	1V7524

Canopy without feeding cable.
Square.

	Code
	1V7213AB

Canopy without feeding cable.
Circular.

Suspension

	L	Code
	10000	**1V7264**

Steel suspension cable.
Accessory to be ordered only for installations higher than 2000mm.

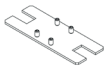
Cable

	L	Code
	5000	**1V7262**
	10000	**1V7263**

Three pole feeding cable.
Accessory to be ordered only for installations higher than 2000mm.

SLIM

Mechanical connector



	Code
	1V7344

Joint for connecting two modules in a straight line. For the codes: 1T4186, 1T4187, 1T4188.

	Code
	1V7345

Joint for connecting two modules at 90°. For the codes: 1T4186, 1T4187, 1T4188.

CCTLED PENDANT

GENERAL INFO
Suspension with diffused downlight for high output LED lamps.
Ø317mm

LED
Chip on Board
From 2756lm to 3755lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 84lm/W

OPTICS
FL

POWER SUPPLY
Electronic – DALI - Emergency - DALI Emergency
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Black painted metal canopy and black painted die-cast aluminium heat sink. Microprismatic trasparent polycarbonate dome refractor optic.

ON DEMAND

Easy Custom Colour

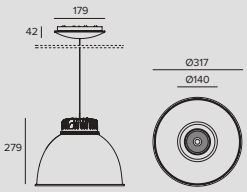
Ra97

2700K - 3500K

A professional suspension fixture from the CCTLED range. Available with a faceted transparent polycarbonate optic for diffused lighting, complete with micro prismatic dome refractor to screen the source and to distribute the light softly.

CCTLED PENDANT

Ambient



LED / 18W / FL

Kg	Driver	3000K	4000K
2	EL.	**1T3274**	**1T3275**
2	DALI	**1T3298**	**1T3299**
2.7	EL. EM.	**1T3322**	**1T3323**
2.7	DALI EM.	**1T3346**	**1T3347**

LED / 25W / FL

Kg	Driver	3000K	4000K
2	EL.	**1T3272**	**1T3273**
2	DALI	**1T3296**	**1T3297**
2.7	EL. EM.	**1T3320**	**1T3321**
2.7	DALI EM.	**1T3344**	**1T3345**

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Accessories

Decorative Ring

Colour	Code
●	**1T4061**
○	**1T4062**

Dissipator cover.

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTLED TUBE

GENERAL INFO
Ceiling-mounted, pendant, wall-mounted or track-mounted luminaire for high output LED sources.
Ø180mm

LED
Chip on board
From 2269lm to 3755lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 123lm/W

OPTICS
SMART – TECH – FEEL

POWER SUPPLY
Electronic – DALI
Casambi controil system available using a dedicated accessory (only for DALI version products)

MATERIAL
Painted aluminium body.
Painted polycarbonate decorative squared ring.
Black painted die-cast aluminium internal frame and heat sink

ON DEMAND

Easy Custom Colour

Ra97

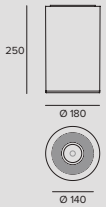
2700K-3500K

Belongs to the CCTLED range with different installation solutions: ceiling, suspension, wall and track. It also comes in the same power supply and optics in order to use the same fixture in an entire project. The same uniform quality effect with different installation solutions.

SMART, TECH, FEEL optics for a variety of environments, from retail, to hospitality, up to office spaces (SMART UGR<22, TECH UGR<19, FEEL UGR>19 - EN 12464-1).

CCTLED TUBE

Smart Facetted



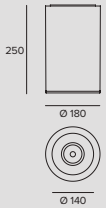
LED / 18W / FACETTED / VWFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3162**	**1T3163**
2	ENEC	DALI	◯	**1T3182**	**1T3183**

LED / 25W / FACETTED / VWFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3174**	**1T3175**
2	ENEC	DALI	◯	**1T3194**	**1T3195**

Smart Matt



LED / 18W / MATT / VWFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3164**	**1T3165**
2	ENEC	EL.	◯	**1T4455**	
2	ENEC	DALI	◯	**1T3184**	**1T3185**
2	ENEC	DALI	◯	**1T4457**	

LED / 25W / MATT / VWFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3176**	**1T3177**
2	ENEC	EL.	◯	**1T4456**	
2	ENEC	DALI	◯	**1T3196**	**1T3197**
2	ENEC	DALI	◯	**1T4458**	

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

CCTLED TUBE

Related codes

Mounting System

	Driver	Colour	Code
	EL.	○	**1T0130**
	DALI	○	**1T0130DA**
	EL.	○	**1T4465**

Eurostandard Plus track kit.

	Driver	Colour	Code
	EL.	●	**1T0123**
	DALI	●	**1T0123DA**
	EL.	○	**1T4466**
	DALI	○	**1T4467**

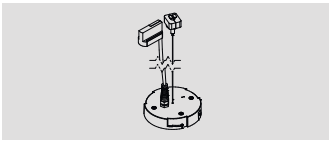
Ceiling mounting kit.

	L	Driver	Colour	Code
	1000	EL.	○	**1T0124**
	1000	DALI	○	**1T0124DA**
	6000	EL.	○	**1T4469**
	6000	DALI	○	**1T4470**

Suspension kit.

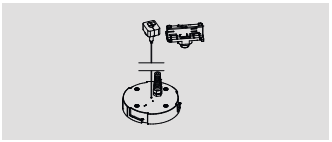
	L	Driver	Colour	Code
	2000	EL.	○	**1T3245**
	2000	DALI	○	**1T3246**
	6000	EL.	○	**1T4472**
	6000	DALI	○	**1T4473**

Double suspension kit.



	Driver	Colour	Code
	EL.	○	**1T7402**

Eurostandard Plus track suspension kit.



	Driver	Colour	Code
	DALI	○	**1T3242DA**

Eurostandard Plus track suspension kit.

	Driver	Colour	Code
	EL.	○	**1T3449**
	DALI	○	**1T3450**
	EL.	○	**1T4475**
	DALI	○	**1T4476**

Wall mounting kit.

	Driver	Colour	Code
	EL.	○	**1T3452**
	DALI	○	**1T3453**
	EL.	○	**1T4478**
	DALI	○	**1T4479**

Wall mounting kit for double emission.

CCTLED TUBE

Accessories

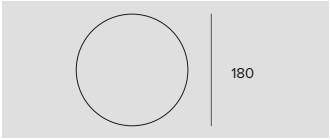
Decorative Ring

Ø	Colour	Code
180	○	**1T3248**

Round ring.

Ø	Colour	Code
180	○	**1T3249**

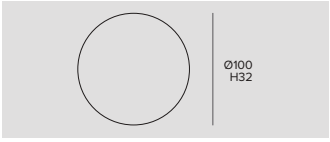
Square ring with micro prismatic diffusive screen.



Ø	Colour	Code
180	○	**1T3250**

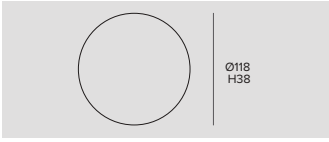
Square ring with external silk screen printed screen.

Adapter



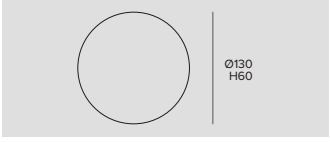
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	◍	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



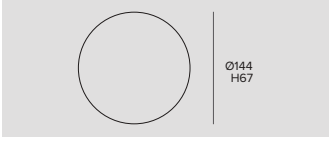
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	◍	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	◍	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	◍	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

CCTLED TUBE

Control systems

	Code
	1T5349

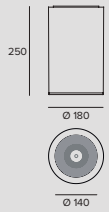
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTLED TUBE

Tech Secondary facetted



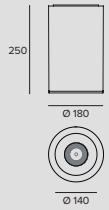
LED / 15W / FACETTED / WFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3166**	**1T3167**
2	ENEC	DALI	◯	**1T3186**	**1T3187**

LED / 21W / FACETTED / WFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3178**	**1T3179**
2	ENEC	DALI	◯	**1T3198**	**1T3199**

Tech Secondary matt



LED / 15W / MATT / WFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3168**	**1T3169**
2	ENEC	EL.	◯	**1T4459**	
2	ENEC	DALI	◯	**1T3188**	**1T3189**
2	ENEC	DALI	◯	**1T4461**	

LED / 21W / MATT / WFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	◯	**1T3180**	**1T3181**
2	ENEC	EL.	◯	**1T4460**	
2	ENEC	DALI	◯	**1T3200**	**1T3201**
2	ENEC	DALI	◯	**1T4462**	

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

CCTLED TUBE

Related codes

Mounting System

	Driver	Colour	Code
	EL.	○	**1T0130**
	DALI	○	**1T0130DA**
	EL.	○	**1T4465**

Eurostandard Plus track kit.

	Driver	Colour	Code
	EL.	●	**1T0123**
	DALI	●	**1T0123DA**
	EL.	○	**1T4466**
	DALI	○	**1T4467**

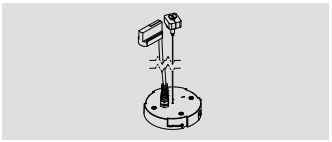
Ceiling mounting kit.

	L	Driver	Colour	Code
	1000	EL.	○	**1T0124**
	1000	DALI	○	**1T0124DA**
	6000	EL.	○	**1T4469**
	6000	DALI	○	**1T4470**

Suspension kit.

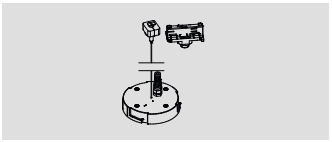
	L	Driver	Colour	Code
	2000	EL.	○	**1T3245**
	2000	DALI	○	**1T3246**
	6000	EL.	○	**1T4472**
	6000	DALI	○	**1T4473**

Double suspension kit.



	Driver	Colour	Code
	EL.	○	**1T7402**

Eurostandard Plus track suspension kit.



	Driver	Colour	Code
	DALI	○	**1T3242DA**

Eurostandard Plus track suspension kit.

	Driver	Colour	Code
	EL.	○	**1T3449**
	DALI	○	**1T3450**
	EL.	○	**1T4475**
	DALI	○	**1T4476**

Wall mounting kit.

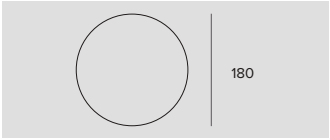
	Driver	Colour	Code
	EL.	○	**1T3452**
	DALI	○	**1T3453**
	EL.	○	**1T4478**
	DALI	○	**1T4479**

Wall mounting kit for double emission.

CCTLED TUBE

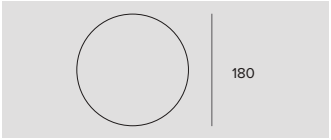
Accessories

Decorative Ring



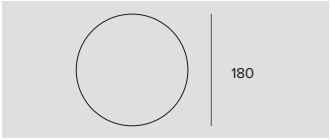
Ø	Colour	Code
180	○	**1T3248**

Round ring.



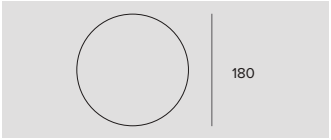
Ø	Colour	Code
180	○	**1T3249**

Square ring with micro prismatic diffusive screen.



Ø	Colour	Code
180	○	**1T3250**

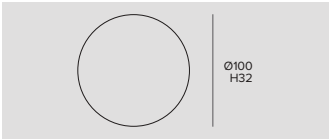
Square ring with external silk screen printed screen.



Ø	Colour	Code
180	○	**1T3251**

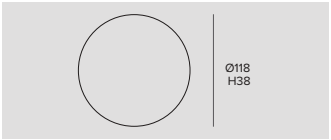
XL ring.
For the TECH version.

Adapter



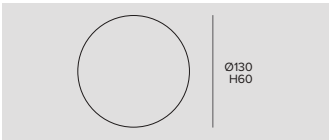
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	◍	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



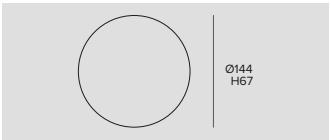
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	◍	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	◍	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	◍	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

CCTLED TUBE

Control systems

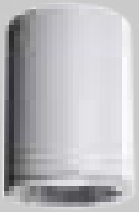
	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

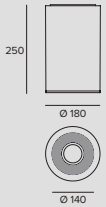
	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

CCTLED TUBE



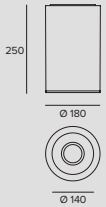
Feel Facetted



LED / 14W / FACETTED / VWFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	○	**1T3170**	**1T3171**
2	ENEC	DALI	○	**1T3190**	**1T3191**

Feel Matt



LED / 14W / MATT / WFL

Kg	Certificate	Driver	Colour	3000K	4000K
2	ENEC	EL.	○	**1T3172**	**1T3173**
2	ENEC	EL.	◌	**1T4463**	
2	ENEC	DALI	○	**1T3192**	**1T3193**
2	ENEC	DALI	◌	**1T4464**	

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Related codes

Mounting System

Driver	Colour	Code
EL.	○	**1T0130**
DALI	○	**1T0130DA**
EL.	◌	**1T4465**

Eurostandard Plus track kit.

Driver	Colour	Code
EL.	●	**1T0123**
DALI	●	**1T0123DA**
EL.	◌	**1T4466**
DALI	◌	**1T4467**

Ceiling mounting kit.

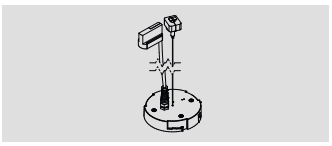
CCTLED TUBE

L	Driver	Colour	Code
1000	EL.	○	**1T0124**
1000	DALI	○	**1T0124DA**
6000	EL.	○	**1T4469**
6000	DALI	○	**1T4470**

Suspension kit.

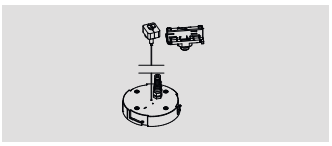
L	Driver	Colour	Code
2000	EL.	○	**1T3245**
2000	DALI	○	**1T3246**
6000	EL.	○	**1T4472**
6000	DALI	○	**1T4473**

Double suspension kit.



Driver	Colour	Code
EL.	○	**1T7402**

Eurostandard Plus track suspension kit.



Driver	Colour	Code
DALI	○	**1T3242DA**

Eurostandard Plus track suspension kit.

Driver	Colour	Code
EL.	○	**1T3449**
DALI	○	**1T3450**
EL.	○	**1T4475**
DALI	○	**1T4476**

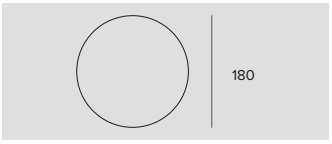
Wall mounting kit.

Driver	Colour	Code
EL.	○	**1T3452**
DALI	○	**1T3453**
EL.	○	**1T4478**
DALI	○	**1T4479**

Wall mounting kit for double emission.

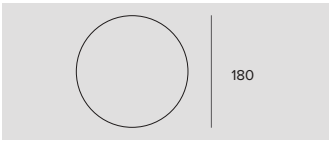
Accessories

Decorative Ring



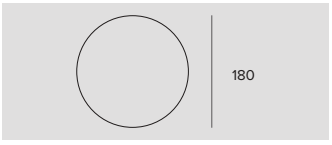
Ø	Colour	Code
180	○	**1T3248**

Round ring.



Ø	Colour	Code
180	○	**1T3249**

Square ring with micro prismatic diffusive screen.

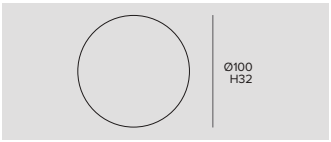


Ø	Colour	Code
180	○	**1T3250**

Square ring with external silk screen printed screen.

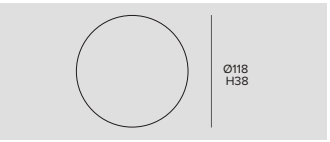
CCTLED TUBE

Adapter



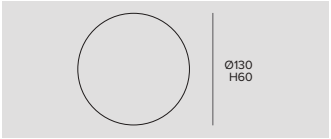
Ø	H	Driver	Colour	Code
100	32	EL.	○	**1T2221**
100	32	EL.	◐	**1T2220**
100	32	EL.	●	**1T2219**

Base for ceiling installation of projectors with an adapter for electrified track.



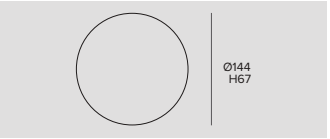
Ø	H	Driver	Colour	Code
118	38	DALI	○	**9000/BPU-D-W**
118	38	DALI	◐	**9000/BPU-D-B**
118	38	DALI	●	**9000/BPU-D-G**

Base for ceiling installation of projectors with an adapter for electrified track.



Cutout hole	Ø	H	Driver	Colour	Code
Ø105/125	130	60	EL.	○	**1T2223**
Ø105/125	130	60	EL.	◐	**1T2222**
Ø105/125	130	60	EL.	●	**1T2224**

Adapter for recessed installation of the base.
1T2223 - To be completed with 1T2221.
1T2222 - To be completed with 1T2220.
1T2224 - To be completed with 1T2219.



Cutout hole	Ø	H	Driver	Colour	Code
Ø125/130	144	67	DALI	○	**9000/BRU-W**
Ø125/130	144	67	DALI	◐	**9000/BRU-B**
Ø125/130	144	67	DALI	●	**9000/BRU-G**

Adapter for recessed installation of the base.
9000/BRU-W - To be completed with 9000/BPU-D-W.
9000/BRU-B - To be completed with 9000/BPU-D-B.
9000/BRU-G - To be completed with 9000/BPU-D-G.

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

BEBOP

Ceiling / Suspension

GENERAL INFO
LED pendant and ceiling mounted for direct diffuse lighting.
Ø90mm

LED
Chip on board
From 1545lm to 1750lm
3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 91lm/W

OPTICS
MWFL - WFL

POWER SUPPLY
Electronic

MATERIAL
Painted aluminium body. Painted polycarbonate front element. Die-cast aluminium finned internal heat sink.

ON DEMAND
Easy Custom Colour
2700K-3500K

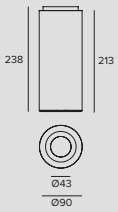
A range of high performance products characterised by simple, soft and rounded lines. Available in three different versions for ceiling mounted, suspension and recessed installation.

Also available in a recessed installation version.

In all versions the LED lamps are retracted and hidden from view to ensure optimum visual comfort. The flexible installation makes it possible to use the same type of light in environments with different architectural characteristics.

BEBOP

Ceiling



LED / 12W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T4768EL**	**1T4769EL**
EL.	●	**1T5414EL**	**1T5415EL**

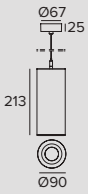
LED / 12W / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T4766EL**	**1T4767EL**
EL.	●	**1T5416EL**	**1T5417EL**

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Suspension



LED / 12W / MWFL

Driver	Colour	3000K	4000K
EL.	○	**1T4764EL**	**1T4765EL**
EL.	●	**1T5418EL**	**1T5419EL**

LED / 12W / WFL

Driver	Colour	3000K	4000K
EL.	○	**1T4762EL**	**1T4763EL**
EL.	●	**1T5420EL**	**1T5421EL**

Note

Complete with 2000mm long steel suspension cable with micrometric adjustment system.

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

GLOBO

GENERAL INFO
Diffused emission suspension fixture for halogen, LED lamp or compact fluorescent lamps with E27 lamp holder.
Ø350mm

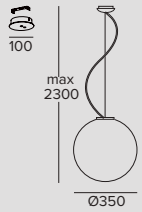
LED
Lamp not included

MATERIAL
Metal frame and opaline glass diffuser.

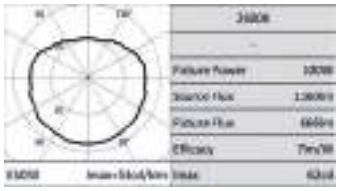
Diffused emission suspension fixture. The high quality opaline glass diffuser ensure maximum light diffusion and perfect distribution over surfaces.

It can be fitted with any type of lamp with an E27 adapter including LED.

GLOBO



FLUO/HAL / max 42W/max 100W / E27



	Power supply	Colour	
	220-240Vac		**344540**

Accessories

Control systems

	Code
	1T5351

A Wireless Trailing Edge / IGBT dimmer managed using Bluetooth 4.0 technology.
It works with LED 230V-AC modules, dimmable LED sources and halogen lamps.
It can be installed inside a standard 503 wall switch box, lighting fixtures or ceiling canopies.
It can manage systems with a maximum absorption of 150W.
The module is wireless controlled using a Casambi app for smartphones and tablets or traditional wall switches.
IP20.
LxHxP=40.4x14x36.3mm.

ZENO

Wall mounted

GENERAL INFO
Asymmetric adjustable projector
Medium Ø134mm
Large Ø184mm

LED
Chip on Board
From 2602lm to 5121lm
3000K - 4000K
Ra97

PRODUCT EFFICACY
Up to 54lm/W

OPTICS
WW

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Die-cast painted aluminium optical unit and power supply box.

ON DEMAND

Easy Custom Colour

2700K-3500K

110-277Vac
power supply

A range of professional projectors especially for museum lighting, given the quality of the LED sources, the cutting edge optics and installation flexibility.

The wall washer optics is particularly suitable for lighting vaulted ceilings.

The optical unit can be adjusted from 0 to -90° on the vertical plane; and 355° on the horizontal plane with aiming blocking system. Available in two different sizes.

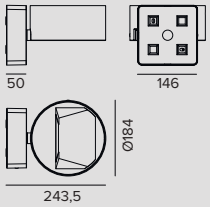
Also available in the projector and recessed versions.

Palazzo Merendoni
Bologna, Italy

Photographer Ivan Rossi

ZENO

Applique Large



LED / 52W / WALL WASHER

	Driver	Colour	3000K	4000K
	EL.	○	**1T6313EL**	**1T6314EL**
	EL.	◐	**1T6315EL**	**1T6316EL**
	DALI	○	**1T6313DA**	**1T6314DA**
	DALI	◐	**1T6315DA**	**1T6316DA**

Accessories

Control systems

	Code
	1T5349

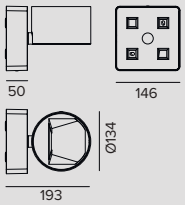
Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

ZENO

Applique Medium



LED / 26W / WALL WASHER

	Driver	Colour	3000K	4000K
	EL.	○	**1T6309EL**	**1T6310EL**
	EL.	●	**1T6311EL**	**1T6312EL**
	DALI	○	**1T6309DA**	**1T6310DA**
	DALI	●	**1T6311DA**	**1T6312DA**

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

FLOOD

GENERAL INFO
Wall mounted fixture with indirect light emission for LED sources.
224x330mm
224x700mm

LED
Linear boards
From 2157lm to 4908lm
3000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 119lm/W

OPTICS
VWFL

POWER SUPPLY
DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Painted metal body.
Transparent protective screen.

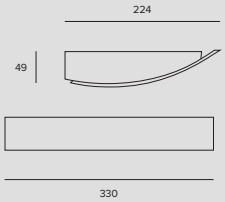
ON DEMAND
Easy Custom Colour
4000K

Wall mounted fixture with indirect light available in two different lengths with two different power supplies for soft and comfortable indirect light. It is suitable for lighting small and large spaces.

Design Daniel Bernard

FLOOD

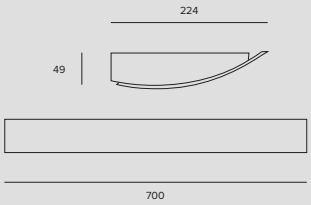
L. 330mm



LED / 18W / VWFL

	Driver	Colour	3000K
	DALI	○	**1T4512**
	DALI	●	**1T4514**

L. 700mm



LED / 36W / VWFL

	Driver	Colour	3000K
	DALI	○	**1T4513**
	DALI	●	**1T4515**

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Accessories

Control systems

	Code
	1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

	Code
	1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

HALL

GENERAL INFO
Wall mounted fixture with indirect light emission for LED sources.
297x330x112mm

LED
LED Low Power High Efficiency Linear boards
From 4314lm to 4908lm
3000K
Ra80 - Ra90

PRODUCT EFFICACY
111lm/W

OPTICS
ASYM

POWER SUPPLY
DALI - Casambi on board

MATERIAL
Painted metal body.
Diffuse protective screen.

ON DEMAND
Easy Custom Colour

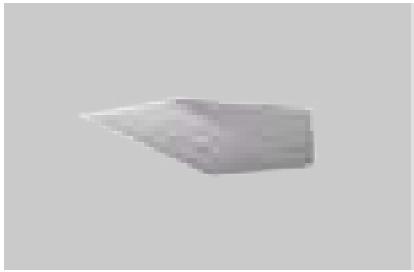
4000K

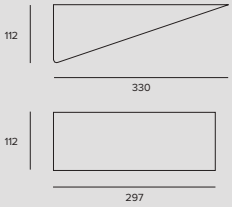
Professional applique with indirect light emission with an asymmetrical optic.
The strongly asymmetric emission allows for deep indirect lighting of large spaces.

Used on its own it is capable of producing soft and comfortable light: combined with direct lighting on the other hand it balances and improves visual comfort throughout the space.

Design Daniel Bernard

HALL





LED / 36W / ASYMMETRICAL

Driver	Colour	3000K
DALI		**1T4499**
DALI		**1T4506**
DALI		**1T4507**
CASAMBI		**1T4499CA**

Note

Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Accessories

Control systems

Code
1T5349

Wireless control unit for DALI fixtures.
It generates a local DALI bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.
LxHxP=56.5x22.3x35.8mm.

Code
1T5352

IP20 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.
LxHxP=129x30x42mm.

SLIM

Wall mounted

GENERAL INFO
Indirect or direct/indirect modular wall mounted luminaire for LED sources.
638x26x80
1238x26x80

LED
Linear LED boards Low Power High efficiency
From 1720lm to 6880lm
3000K
Ra80

PRODUCT EFFICACY
Up to 112lm/W

OPTICS
VWFL

POWER SUPPLY
Electronic

MATERIAL
Body made of extruded anodised aluminium. Polycarbonate lateral end caps. Lower diffusive screen made of ribbed, extruded opal polycarbonate. Transparent polycarbonate upper safety screen.

ON DEMAND
4000K

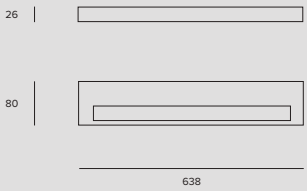
Compact size minimal modular applique with indirect/direct light emission that disappears into its surroundings leaving space for the architecture and light only.

Also available in a modular system suspension version or stand-alone.

Design Daniel Bernard

SLIM

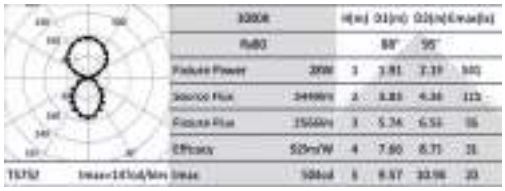
Wall
L. 638mm



LED / 12W / INDIRECT / VWFL

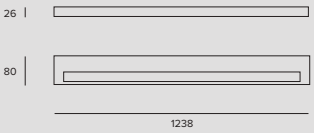
Driver	Colour	3000K
EL.		**1T4192**

LED / 24W / DIRECT/INDIRECT / VWFL



Driver	Colour	3000K
EL.		**1T4193**

Wall
L. 1238mm



LED / 24W / INDIRECT / VWFL

Driver	Colour	3000K
EL.		**1T4194**

LED / 48W / DIRECT/INDIRECT / VWFL

Driver	Colour	3000K
EL.		**1T4195**

OSIRIDE

GENERAL INFO
Wall or ceiling mounted fixture for halogen or compact fluorescent lamps.
Ø200mm – Ø260mm
Ø320mm – Ø400mm – Ø500mm

LAMPS
HAL – FLUO – LED
Not included

OPTICS
VWFL

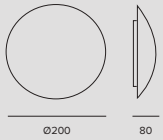
MATERIAL
White painted metal body and satin opaline white glass diffuser.

A range of glass ceiling/wall fixtures satin opaline white glass and a painted white metal frame.

Five different sizes that can be equipped with halogen lamps, compact fluorescent lamps or LED lamps with E27 adapters not included.

OSIRIDE

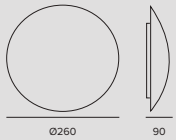
Ø 200mm



FLUO/HAL / max 1x42W/max 1x60W / E27

Power supply	Colour	
220-240Vac		**323494IP**

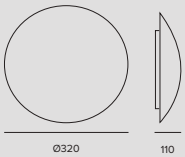
Ø 260mm



FLUO/HAL / max 1x42W/max 1x60W / E27

Power supply	Colour	
220-240Vac		**323404IP**

Ø 320mm

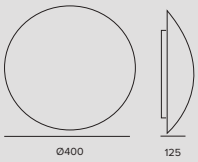


FLUO/HAL / max 2x42W/max 2x60W / E27

Power supply	Colour	
220-240Vac		**323414IP**

OSIRIDE

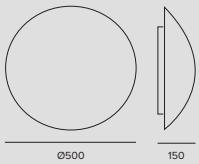
Ø 400mm



FLUO/HAL / max 2x42W/max 2x60W / E27

Power supply	Colour	
220-240Vac		**323424IP**

Ø 500mm



FLUO/HAL / max 2x42W/max 2x60W / E27

Power supply	Colour	
220-240Vac		**323434IP**

Accessories

Mounting System

Code
323900

Support for semi-recessed installation.
D=200mm cutout hole 147mm.
D=260mm cutout hole 193mm.
D=320mm cutout hole 244mm.
D=400mm cutout hole 322mm.
D=500mm cutout hole 368mm.

Control systems

Code
1T5351

A Wireless Trailing Edge / IGBT dimmer managed using Bluetooth 4.0 technology.
It works with LED 230V-AC modules, dimmable LED sources and halogen lamps.
It can be installed inside a standard 503 wall switch box, lighting fixtures or ceiling canopies.
It can manage systems with a maximum absorption of 150W.
The module is wireless controlled using a Casambi app for smartphones and tablets or traditional wall switches.
IP20.
LxHxP=40.4x14x36.3mm.

PROFESSIONAL

GENERAL INFO
Wall or ceiling mounted fixture for LED, halogen or compact fluorescent lamps.
120x220mm
235x235mm
275x275mm
350x350mm

LAMPS
HAL – FLUO – LED
Not included

OPTICS
VWFL

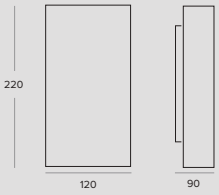
MATERIAL
White painted metal body and satin opaline white glass diffuser.
White painted metal fixing plate.

A wall or ceiling mounted fixture with a glazed glass diffuser for soft general lighting.

Available in four different sizes fitted with traditional LED lamps with E27 adapters or compact fluorescent lamps not included.

PROFESSIONAL

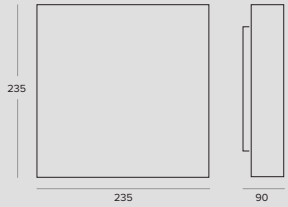
120x220mm



FLUO/HAL / max 1x42W/max 1x60W / E27

Power supply	Colour	
220-240Vac		**374604IP**

235x235mm



FLUO/HAL / max 1x42W/max 1x60W / E27

Power supply	Colour	
220-240Vac		**374404IP**

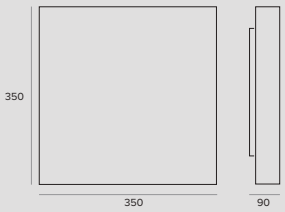
275x275mm

FLUO/HAL / max 2x42W/max 2x60W / E27

Power supply	Colour	
220-240Vac		**374414IP**

PROFESSIONAL

350x350mm



FLUO/HAL / max 3x42W/max 3x60W / E27

	Power supply	Colour	
	220-240Vac		**374424IP**

Accessories

Control systems

	Code
	1T5351

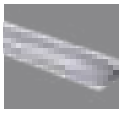
A Wireless Trailing Edge / IGBT dimmer managed using Bluetooth 4.0 technology.
It works with LED 230V-AC modules, dimmable LED sources and halogen lamps.
It can be installed inside a standard 503 wall switch box, lighting fixtures or ceiling canopies.
It can manage systems with a maximum absorption of 150W.
The module is wireless controlled using a Casambi app for smartphones and tablets or traditional wall switches.
IP20.
LxHxP=40.4x14x36.3mm.

Inground

Outdoor

New product
Line Extension
New Performances
New Accessory

Linear in-ground luminaires



548
JEDI

548
JEDI RGBW

562
JEDI Compact

578
MERCURE
Light-line

578
MINIMERCURE
LED - RGB

578
MICROMERCURE

Circular in-ground luminaires

586
KEPLERO
Zoom

586
KEPLERO
Zoom RGBW

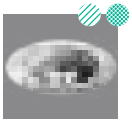
586
KEPLERO
Gimbal

586
KEPLERO
Gimbal HP

586
KEPLERO
WW

586
KEPLERO
WW RGBW

586
KEPLERO
Mini Zoom



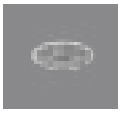
586
KEPLERO
Mini Gimbal

586
KEPLERO
Mini HE

586
KEPLERO
Mini HE RGBW

586
KEPLERO
Mini WW

626
JUPITER
Ø 80mm



626
JUPITER
Mini
Ø 50mm

636
LED.Y
Multiled
Ø60mm Ø68mm

636
LED.Y
Monoled
Ø 63mm

636
LED.Y
Monoled RGB
Ø 63mm

644
TITANO

JEDI

Recessed

GENERAL INFO
Recessed linear projector.
Lenghts 616mm – 916mm – 1216mm

LED
Optics FL, GR, WW - Linear boards
Optic SP - Led Emitter
RGBW version - Led Emitter
From 632lm to 7180lm
3000K – 4000K
Ra80
RGBW

PRODUCT EFFICACY
Up to 117lm/W

OPTICS
SP – FL – GRAZING – WALL WASHER

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Extruded anodised aluminium 15µ body. Extra clear 10mm thick glass flat screen. Brushed stainless steel (AISI 316) frame. The body of the fixture can resist a static load up to 20kN and vandalism (IK10). Anti-slip glass available on request.

ON DEMAND

110-277Vac power supply (Jedi Recessed RGBW)

2700K - 3500K

A coordinated range of linear projectors for lighting large surfaces.

The multiplicity of effects, three different lengths with lumen packages proportioned to each one, maximum load and vandal resistance make it a flexible tool that can always provide solutions to various project needs in the public or private sector.

Completely sealed housing complete with external electrical connection through IP68 connectors.
Continuous line installation using accessories.

Available also in projector and RGBW versions.

Anti-theft Torx screws.

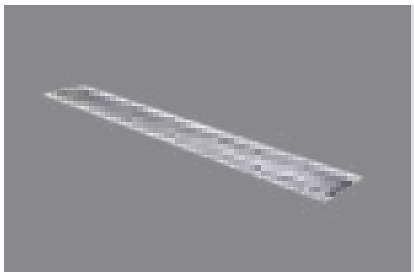
The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

5300 McConnell
Los Angeles, USA

Architect Shubin+Donaldson Architects
Lighting Design Oculus Light Studio

Photographer ©Henri Khodaverdi

JEDI



Recessed
L. 616mm

LED / 23W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2737**	**1E2738**
DALI		**1E2739**	**1E2740**

LED / 12W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2689**	**1E2690**
DALI		**1E2691**	**1E2692**

LED / 24W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2693**	**1E2694**
DALI		**1E2695**	**1E2696**

LED / 12W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2665**	**1E2666**
DALI		**1E2667**	**1E2668**

LED / 24W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2669**	**1E2670**
DALI		**1E2671**	**1E2672**

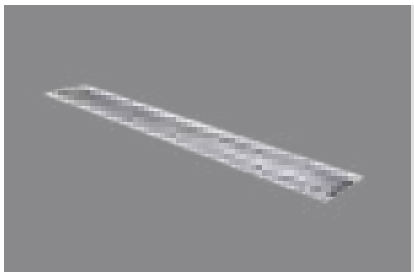
JEDI

LED / 12W / WALL WASHER

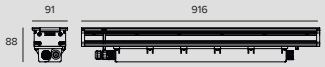
Driver	Colour	3000K	4000K
EL.		**1E2713**	**1E2714**
DALI		**1E2715**	**1E2716**

LED / 24W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2717**	**1E2718**
DALI		**1E2719**	**1E2720**



Recessed
L. 916mm



LED / 34W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2741**	**1E2742**
DALI		**1E2743**	**1E2744**

LED / 18W / FLOOD

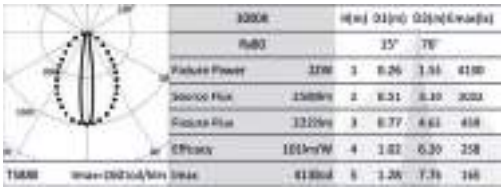
Driver	Colour	3000K	4000K
EL.		**1E2697**	**1E2698**
DALI		**1E2699**	**1E2700**

LED / 36W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2701**	**1E2702**
DALI		**1E2703**	**1E2704**

JEDI

LED / 18W / GRAZING



Driver	Colour	3000K	4000K
EL.		**1E2673**	**1E2674**
DALI		**1E2675**	**1E2676**

LED / 36W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2677**	**1E2678**
DALI		**1E2679**	**1E2680**

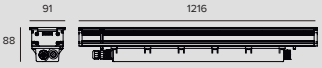
LED / 18W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2721**	**1E2722**
DALI		**1E2723**	**1E2724**

LED / 36W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2725**	**1E2726**
DALI		**1E2727**	**1E2728**

Recessed
L. 1216mm



LED / 46W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2745**	**1E2746**
DALI		**1E2747**	**1E2748**

JEDI

LED / 24W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2705**	**1E2706**
DALI		**1E2707**	**1E2708**

LED / 48W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2709**	**1E2710**
DALI		**1E2711**	**1E2712**

LED / 24W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2681**	**1E2682**
DALI		**1E2683**	**1E2684**

LED / 48W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2685**	**1E2686**
DALI		**1E2687**	**1E2688**

LED / 24W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2729**	**1E2730**
DALI		**1E2731**	**1E2732**

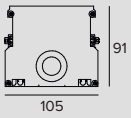
LED / 48W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2733**	**1E2734**
DALI		**1E2735**	**1E2736**

JEDI

Related codes

Insertion Box



L	Code
618	**1E3507**
918	**1E3508**
1218	**1E3509**

Extruded anodized aluminium insertion box.

Accessories

Tool

Code
1E2495

Features TORX HEAD, TX 30.

Cable

L	Code
320	**1E2762**
470	**1E2763**
620	**1E2764**
770	**1E2765**

Connection cable.
Complete with 5 pole connectors.
For the electronic and DALI version.
1E2762 - For in line adjacent connection of one 600mm projector with one 900mm projector.
1E2763 - For in line adjacent connection of one 600mm projector with one 1200mm projector or two 900mm projectors.
1E2764 - For in line adjacent connection of one 900mm projector with one 1200mm projector.
1E2765 - For in line adjacent connection of two 1200mm projectors.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

JEDI

Control systems

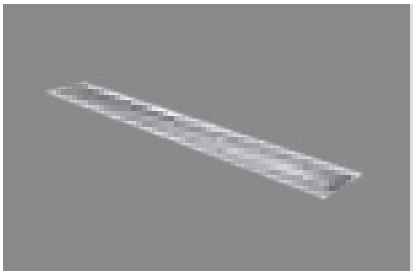
	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

JEDI



Recessed RGBW
L. 616mm

LED RGBW / 17W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3100**

LED RGBW / 17W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3101**

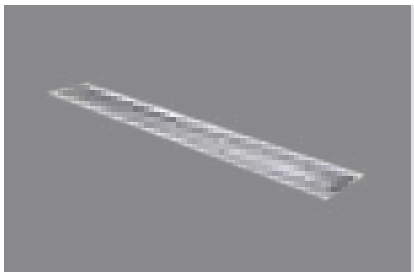
LED RGBW / 17W 4Ch / GRAZING

Driver	Colour	RGBW
EL. DMX		**1E3099**

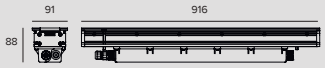
LED RGBW / 17W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3102**

JEDI



Recessed RGBW
L. 916mm



LED RGBW / 26W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3104**

LED RGBW / 26W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3105**

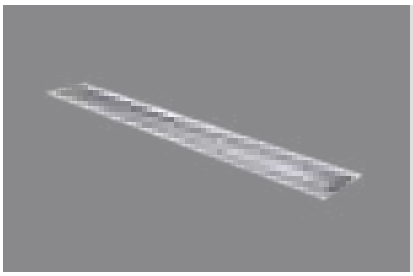
LED RGBW / 26W 4Ch / GRAZING

Driver	Colour	RGBW
EL. DMX		**1E3103**

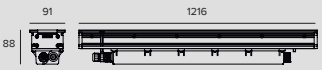
LED RGBW / 26W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3106**

JEDI



Recessed RGBW
L. 1216mm



LED RGBW / 34W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3108**

LED RGBW / 34W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3109**

LED RGBW / 34W 4Ch / GRAZING

Driver	Colour	RGBW
EL. DMX		**1E3107**

LED RGBW / 34W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3110**

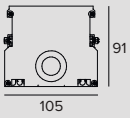
Note

Photometrics show the maximum emission values of fixtures.

JEDI

Related codes

Insertion Box



L	Code
618	**1E3507**
918	**1E3508**
1218	**1E3509**

Extruded anodized aluminium insertion box.

Accessories

Tool

Code
1E2495

Features TORX HEAD, TX 30.

Control systems

Code
1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

Code
1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

JEDI

	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

Università LUMSA
Rome, Italy

Architect Giuseppe Manara & Partners
Photographer Ivan Rossi

Engineer Maurizio Russo, Mario Di Paola
Electrical Engineer SIEC Srl

JEDI

Compact Recessed IP67

GENERAL INFO
Ground recessed linear projector
53x43mm (remote driver)
53x80mm (integrated driver)
Length 344mm – 625mm – 905mm – 1185mm

LED
Linear boards
From 1431 to 7200lm
2700K – 3000K – 3500K – 4000K
Ra80

PRODUCT EFFICACY
Up to 125lm/W

OPTICS
SP, FL, Grazing,
Wall Washer

with Louvre
FL, Grazing, Wall Washer

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Extruded anodised aluminium 15µ body. Extra clear 5mm thick glass flat screen.

ON DEMAND

Ra Ra90

110-277Vac
power supply

Compact, high performance, recessed linear LED fixture.
The 34mm version is only available with a remote driver.
To be completed with a special outer casing.
Four different optics available: Spot, Flood, Grazing and Wall Washer.

The Flood, Grazing and Wall Washer optic versions can be ordered already equipped with an integrated Louvre grill with longitudinal blades to control lateral emission and reduce the risk of glare.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

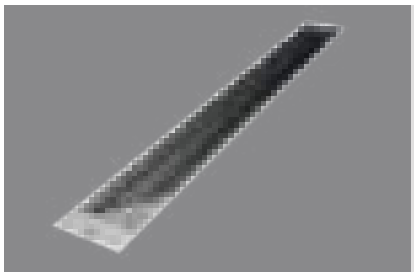
Also available in a projector version both for indoor and outdoor installations.

Torre Huaycho
Espinar, Perù

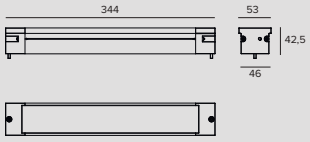
Lighting Design Gerardo Sanchez Sucsa
Pepe Sanchez Sucsa

Photographer James Aragón Carrasco

JEDI COMPACT



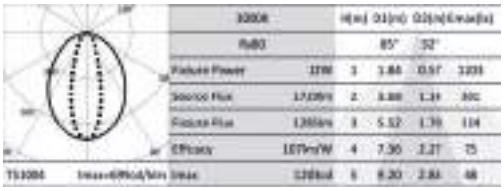
IP67 Recessed
Remote driver
L. 344mm



LED / 12W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3835**	**1E3836**	**1E3837**	**1E3838**

LED / 12W / FLOOD



Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3561**	**1E3562**	**1E3563**	**1E3564**

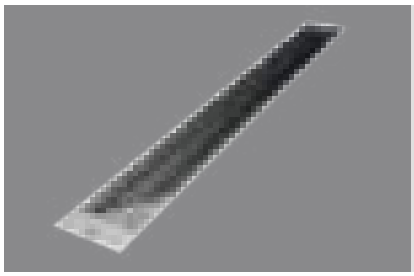
LED / 12W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3565**	**1E3566**	**1E3567**	**1E3568**

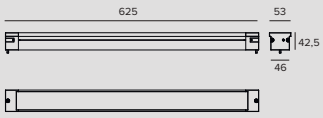
LED / 12W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3569**	**1E3570**	**1E3571**	**1E3572**

JEDI COMPACT



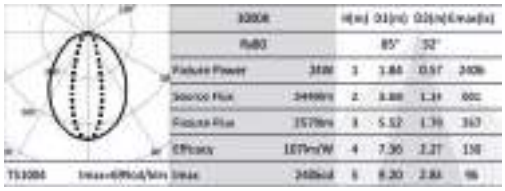
IP67 Recessed
Remote driver
L. 625mm



LED / 23W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3839**	**1E3840**	**1E3841**	**1E3842**

LED / 24W / FLOOD



Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3585**	**1E3586**	**1E3587**	**1E3588**

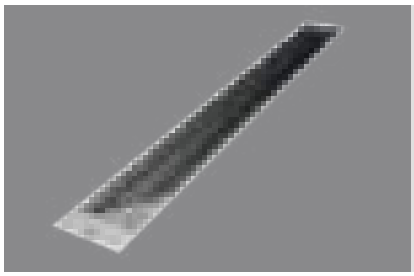
LED / 24W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3589**	**1E3590**	**1E3591**	**1E3592**

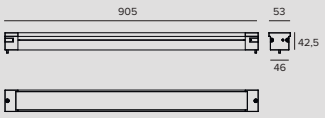
LED / 24W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3593**	**1E3594**	**1E3595**	**1E3596**

JEDI COMPACT



IP67 Recessed
Remote driver
L. 905mm



LED / 35W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3843**	**1E3844**	**1E3845**	**1E3846**

LED / 36W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3609**	**1E3610**	**1E3611**	**1E3612**

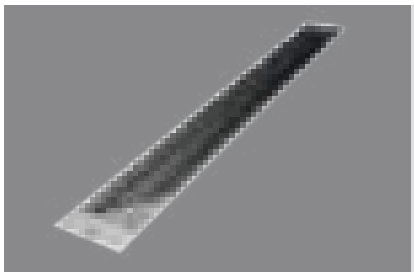
LED / 36W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3613**	**1E3614**	**1E3615**	**1E3616**

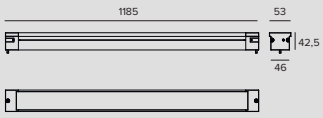
LED / 36W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3617**	**1E3618**	**1E3619**	**1E3620**

JEDI COMPACT



IP67 Recessed
Remote driver
L. 1185mm



LED / 46W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3847**	**1E3848**	**1E3849**	**1E3850**

LED / 48W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3633**	**1E3634**	**1E3635**	**1E3636**

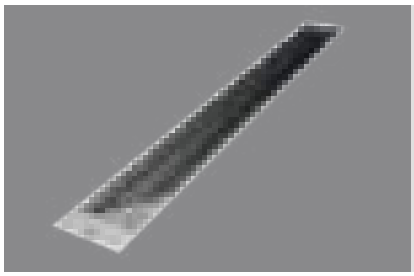
LED / 48W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3637**	**1E3638**	**1E3639**	**1E3640**

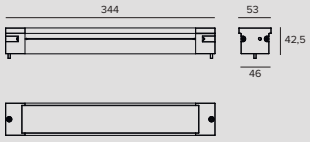
LED / 48W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3641**	**1E3642**	**1E3643**	**1E3644**

JEDI COMPACT



IP67 Recessed Louvre
Remote driver
L. 344mm



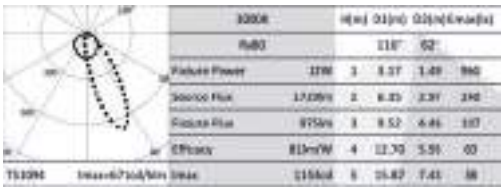
LED / 12W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3573**	**1E3574**	**1E3575**	**1E3576**

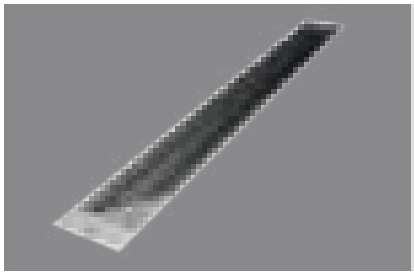
LED / 12W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3577**	**1E3578**	**1E3579**	**1E3580**

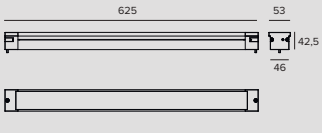
LED / 12W / WALL WASHER



Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3581**	**1E3582**	**1E3583**	**1E3584**



IP67 Recessed Louvre
Remote driver
L. 625mm



LED / 24W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3597**	**1E3598**	**1E3599**	**1E3600**

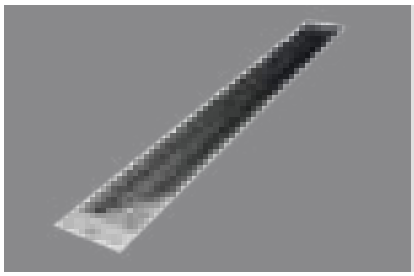
JEDI COMPACT

LED / 24W / GRAZING

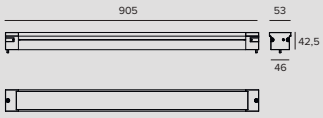
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3601**	**1E3602**	**1E3603**	**1E3604**

LED / 24W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3605**	**1E3606**	**1E3607**	**1E3608**



IP67 Recessed Louvre
Remote driver
L. 905mm



LED / 36W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3621**	**1E3622**	**1E3623**	**1E3624**

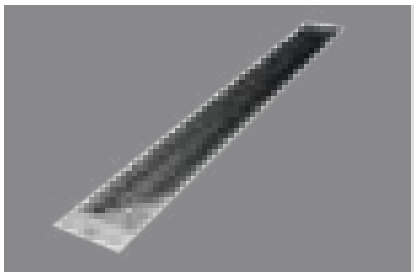
LED / 36W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3625**	**1E3626**	**1E3627**	**1E3628**

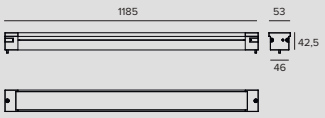
LED / 36W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3629**	**1E3630**	**1E3631**	**1E3632**

JEDI COMPACT



IP67 Recessed Louvre
Remote driver
L. 1185mm



LED / 48W / FLOOD

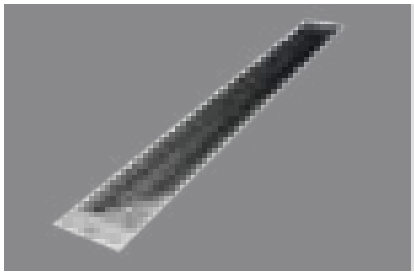
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3645**	**1E3646**	**1E3647**	**1E3648**

LED / 48W / GRAZING

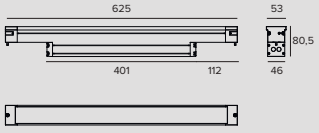
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3649**	**1E3650**	**1E3651**	**1E3652**

LED / 48W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3653**	**1E3654**	**1E3655**	**1E3656**



IP67 Recessed
Integrated driver
L. 625mm



LED / 23W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3851EL**	**1E3852EL**	**1E3853EL**	**1E3854EL**
DALI		**1E3851DA**	**1E3852DA**	**1E3853DA**	**1E3854DA**

JEDI COMPACT

LED / 24W / FLOOD

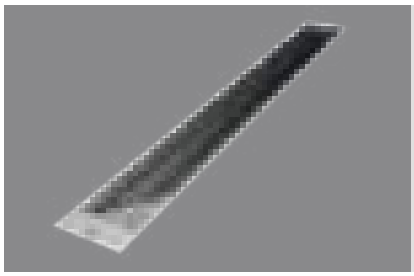
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3657EL**	**1E3658EL**	**1E3659EL**	**1E3660EL**
DALI		**1E3657DA**	**1E3658DA**	**1E3659DA**	**1E3660DA**

LED / 24W / GRAZING

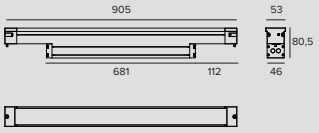
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3661EL**	**1E3662EL**	**1E3663EL**	**1E3664EL**
DALI		**1E3661DA**	**1E3662DA**	**1E3663DA**	**1E3664DA**

LED / 24W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3665EL**	**1E3666EL**	**1E3667EL**	**1E3668EL**
DALI		**1E3665DA**	**1E3666DA**	**1E3667DA**	**1E3668DA**



IP67 Recessed Integrated driver L. 905mm



LED / 35W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3855EL**	**1E3856EL**	**1E3857EL**	**1E3858EL**
DALI		**1E3855DA**	**1E3856DA**	**1E3857DA**	**1E3858DA**

LED / 36W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3681EL**	**1E3682EL**	**1E3683EL**	**1E3684EL**
DALI		**1E3681DA**	**1E3682DA**	**1E3683DA**	**1E3684DA**

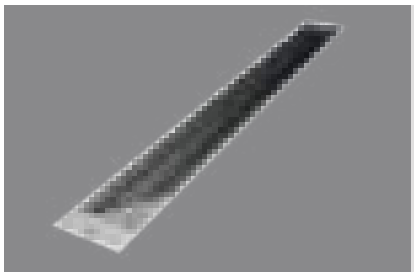
JEDI COMPACT

LED / 36W / GRAZING

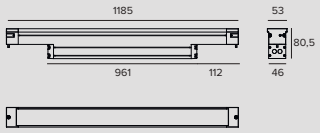
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3685EL**	**1E3686EL**	**1E3687EL**	**1E3688EL**
DALI		**1E3685DA**	**1E3686DA**	**1E3687DA**	**1E3688DA**

LED / 36W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3689EL**	**1E3690EL**	**1E3691EL**	**1E3692EL**
DALI		**1E3689DA**	**1E3690DA**	**1E3691DA**	**1E3692DA**



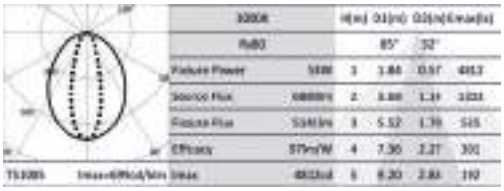
IP67 Recessed Integrated driver L. 1185mm



LED / 46W / SPOT

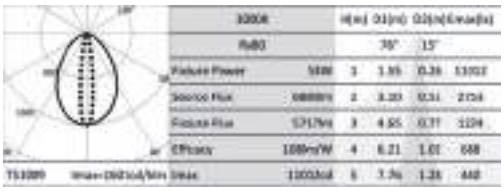
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3859EL**	**1E3860EL**	**1E3861EL**	**1E3862EL**
DALI		**1E3859DA**	**1E3860DA**	**1E3861DA**	**1E3862DA**

LED / 48W / FLOOD



Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3705EL**	**1E3706EL**	**1E3707EL**	**1E3708EL**
DALI		**1E3705DA**	**1E3706DA**	**1E3707DA**	**1E3708DA**

LED / 48W / GRAZING

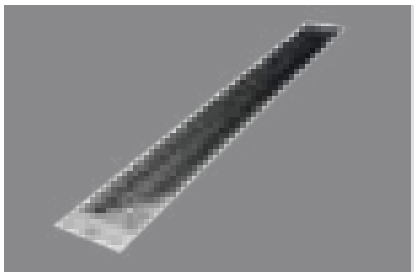


Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3709EL**	**1E3710EL**	**1E3711EL**	**1E3712EL**
DALI		**1E3709DA**	**1E3710DA**	**1E3711DA**	**1E3712DA**

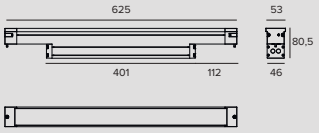
JEDI COMPACT

LED / 48W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3713EL**	**1E3714EL**	**1E3715EL**	**1E3716EL**
DALI		**1E3713DA**	**1E3714DA**	**1E3715DA**	**1E3716DA**



IP67 Recessed Louvre
Integrated driver
L. 625mm



LED / 24W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3669EL**	**1E3670EL**	**1E3671EL**	**1E3672EL**
DALI		**1E3669DA**	**1E3670DA**	**1E3671DA**	**1E3672DA**

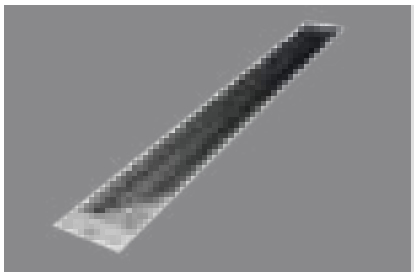
LED / 24W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3673EL**	**1E3674EL**	**1E3675EL**	**1E3676EL**
DALI		**1E3673DA**	**1E3674DA**	**1E3675DA**	**1E3676DA**

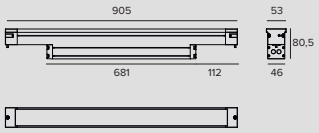
LED / 24W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3677EL**	**1E3678EL**	**1E3679EL**	**1E3680EL**
DALI		**1E3677DA**	**1E3678DA**	**1E3679DA**	**1E3680DA**

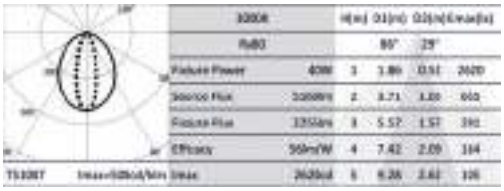
JEDI COMPACT



IP67 Recessed Louvre
Integrated driver
L. 905mm



LED / 36W / FLOOD

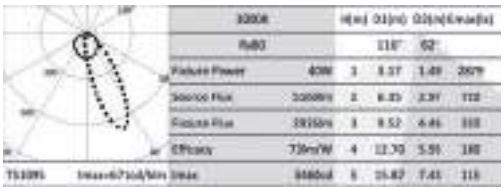


Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3693EL**	**1E3694EL**	**1E3695EL**	**1E3696EL**
DALI		**1E3693DA**	**1E3694DA**	**1E3695DA**	**1E3696DA**

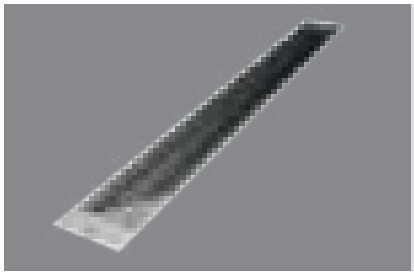
LED / 36W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3697EL**	**1E3698EL**	**1E3699EL**	**1E3700EL**
DALI		**1E3697DA**	**1E3698DA**	**1E3699DA**	**1E3700DA**

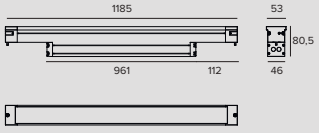
LED / 36W / WALL WASHER



Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3701EL**	**1E3702EL**	**1E3703EL**	**1E3704EL**
DALI		**1E3701DA**	**1E3702DA**	**1E3703DA**	**1E3704DA**



IP67 Recessed Louvre
Integrated driver
L. 1185mm



LED / 48W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3717EL**	**1E3718EL**	**1E3719EL**	**1E3720EL**
DALI		**1E3717DA**	**1E3718DA**	**1E3719DA**	**1E3720DA**

JEDI COMPACT

LED / 48W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3721EL**	**1E3722EL**	**1E3723EL**	**1E3724EL**
DALI		**1E3721DA**	**1E3722DA**	**1E3723DA**	**1E3724DA**

LED / 48W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3725EL**	**1E3726EL**	**1E3727EL**	**1E3728EL**
DALI		**1E3725DA**	**1E3726DA**	**1E3727DA**	**1E3728DA**

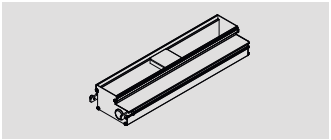
Note

To be completed with an anodised aluminium outer casing suitable for in-line installation and external looping.

Remote driver version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

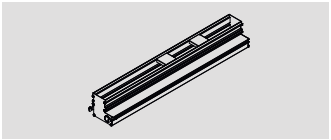
Related codes

Insertion Box



L	H	P	Code
348	58	94	**1E3729**
629	58	94	**1E3730**
909	58	94	**1E3731**
1189	58	94	**1E3732**

Aluminium outer casing for Jedi Compact with remote driver.



L	H	P	Code
629	88	96	**1E3733**
909	88	96	**1E3734**
1189	88	96	**1E3735**

Aluminium outer casing for Jedi Compact with integrated driver.

Power Supply

Code
1E3557

EL power supply version kit composed of an aluminium watertight box (LxHxP=270x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 3G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 312.5/344mm versions.

Code
1E3558

EL power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 3G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 593.5/625/873.5/905/1153.5/1185mm versions.

JEDI COMPACT

Code
1E3559

DALI power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 5G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 312.5/344/593.5/625mm versions.

Code
1E3560

DALI power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 5G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 873.5/905/1153.5/1185mm versions.

Accessories

Tool

Code
1E3305

(Tightening) wrench for the connector kit.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Code
1E3184

IP68 4-way cable connector (5 pole).

Control systems

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

MERCURE

GENERAL INFO
Inground linear fixture.
Lenghts: 300mm - 600mm

LED
Linear boards
From 74lm to 1800lm
3000K – 4000K
Ra80
RGB

PRODUCT EFFICACY
Up to 59lm/W

OPTICS
VWFL

POWER SUPPLY
Electronic - 24V
Casambi control system available using a dedicated accessory.

MATERIAL
Die-cast aluminium housing.
Anti slip, flush, tempered safety glass.

ON DEMAND
Ra Ra90

A range of compact inground recessed linear light fixtures with and a flush “all glass” finish” for particularly striking and elegant installation in continuous rows. Mercure comes in three different sizes to light shapes with monochromatic or RGB light.

The larger versions combine elegance and high performance; the smaller version combines a compact size, elegant design and resistance in a unique linear glass fixture that can meet walk-over requirements.

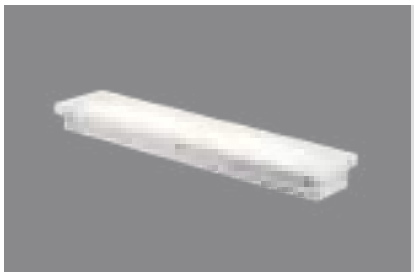
Mercure and Minimercure are subject to Cataphoresis treatment and are therefore suitable to be installed near the sea (up to 5 metres) or in hostile environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

Private Residence
Huntinton Beach, USA

Photographer ©SAC Design

MERCURE



Light-line

LED / 12W / VWFL

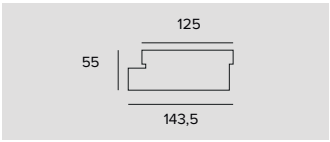
	Driver	Colour	3000K	4000K
	EL.		**1E2274**	**1E2275**

Note

Supplied with an IP67 coaxial connection kit.

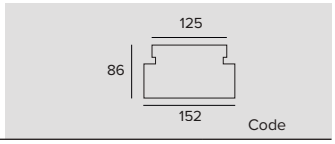
Related codes

Insertion Box



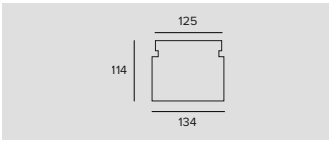
Code
1E2264

Anodized aluminium insertion box available in three different heights to satisfy any installation need.
Complete with removable end caps for in-line installation.
Low.
L=600mm.



Code
1E2265

Anodized aluminium insertion box available in three different heights to satisfy any installation need.
Complete with removable end caps for in-line installation.
Medium.
L=600mm.



Code
1E2266

Anodized aluminium insertion box available in three different heights to satisfy any installation need.
Complete with removable end caps for in-line installation.
High.
L=600mm.

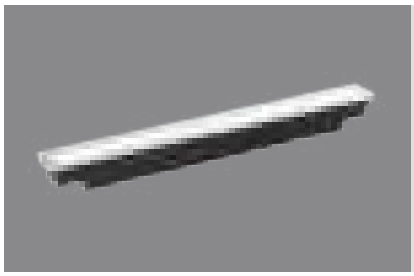
Accessories

Tool

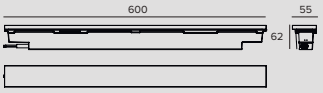
Code
1E0388

Sucker tool to raise the glass.

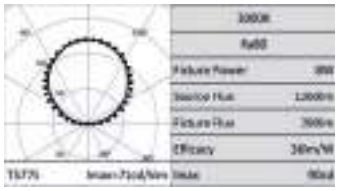
MERCURE



MINIMERCURE LED



LED / 8W / VWFL



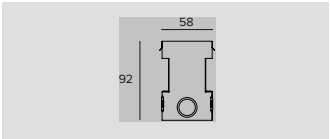
Insulation	Power supply	Driver	Colour	3000K	4000K
CLASS 3	24Vdc			**1E3406**	**1E3407**
CLASS 2	220-240Vac	EL.		**1E3404**	**1E3405**

Note

24Vdc version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

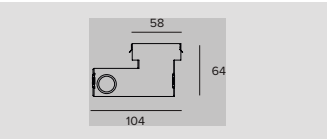
Related codes

Insertion Box



Code
1E2382

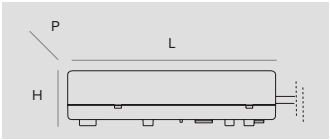
Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows.
Complete with internal supports for installations in concrete.
Vertical.
L=601mm.



Code
1E2383

Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows.
Complete with internal supports for installations in concrete.
Horizontal
L=601mm.

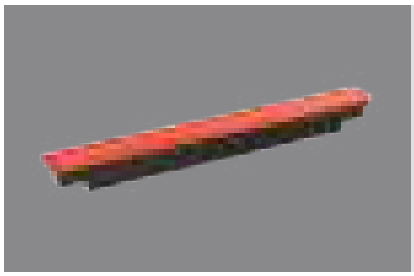
Power Supply



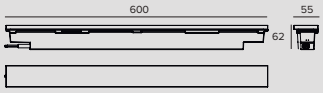
Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**

Electronic power supply.

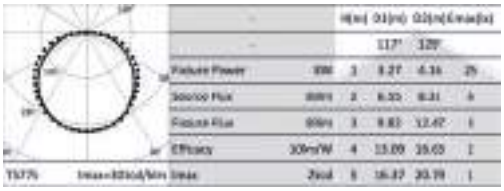
MERCURE



MINIMERCURE RGB



LED RGB / 8W / VWFL



Power supply	Colour	RGB
24Vdc		**1E2381**

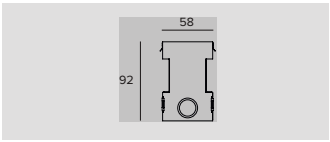
Note

Photometrics show the maximum emission values of fixtures.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

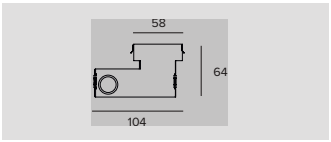
Related codes

Insertion Box



Code
1E2382

Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows.
Complete with internal supports for installations in concrete.
Vertical.
L=601mm.



Code
1E2383

Aluminium insertion boxes with horizontal or vertical development pre-set with removable end caps for installations in continuous rows.
Complete with internal supports for installations in concrete.
Horizontal
L=601mm.

Control systems

Code
1E1401

SECS 75.
IP67
Power supply and Control System SECS Scene Effect Control System.
SECS 75 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
75W output.

Code
1T2245

SECS 36.
IP20
Power supply and Control System SECS Scene Effect Control System.
SECS 36 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
35W output.

MERCURE

Accessories

Cable

	Code
	1T1932

Standard DMX cable (1 twisted pair + shield, 120 Ohm).

Control systems

	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

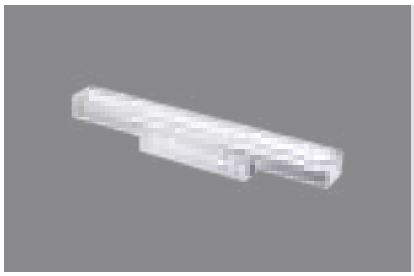
	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

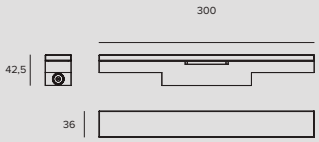
	Code
	1T7944

Wireless Bluetooth Dimmer capable of handling constant voltage loads of 12V or 24V subdivided into 4 channels with PWM output.
This dimmer must be connected between the 12V or 24V power supply and the constant voltage LED module.
The maximum total current that can be supplied by the control unit is 6A (equivalent to a total of 144W) that can be divided between the 4 outputs.
LxHxP=72.6x18x30mm.
IP20

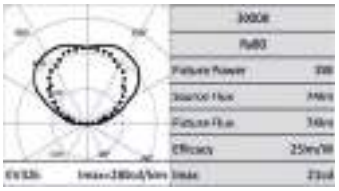
MERCURE



MICROMERCURE



LED / 2,9W / VWFL



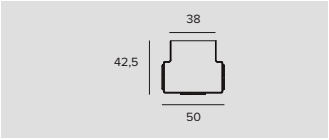
	Power supply	Colour	3000K	4000K
	12Vdc		**1E2267**	**1E2268**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

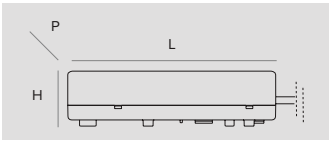
Insertion Box



	Code
	1E2269

Galvanized metal insertion box.
Complete with removable end caps for in-line installation.
L=300mm.

Power Supply



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
145x19x55	10W 20W	110-240Vac 220-240Vac	12Vdc	IP20	**T1585**
225x51x65	70W	220-240Vac	12Vdc	IP67	**T1586**

Non-dimmable electronic power supply.

Accessories

Control systems

	Code
	1T7944

Wireless Bluetooth Dimmer capable of handling constant voltage loads of 12V or 24V subdivided into 4 channels with PWM output.
This dimmer must be connected between the 12V or 24V power supply and the constant voltage LED module.
The maximum total current that can be supplied by the control unit is 6A (equivalent to a total of 144W) that can be divided between the 4 outputs.
LxHxP=72.6x18x30mm.
IP20

KEPLERO

GENERAL INFO
Recessed professional projector.
ø280mm - ø161mm

LED
Chip on board for Zoom – Wall Washer versions
Emitter for RGBW – Gimbal versions
From 65lm to 4665lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 115lm/W

OPTICS
NSP – SP – FL – FL RECT
MWFL – WFL – WW

POWER SUPPLY
Electronic – DALI – DMX

MATERIAL
Anodized and black painted die-cast aluminium body. Brushed stainless steel ultra flat decorative ring with bevelled edge.

ON DEMAND
110-277 vac power supply
2700K-3500K

A complete range of recessed LED up-lights for outdoor lighting. The two different sizes with a wide range of optics with white LED or RGBW lamps with different lumens are the expression of versatility and performance. The entire range has been subject to “Cataphoresis” treatment and is therefore suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

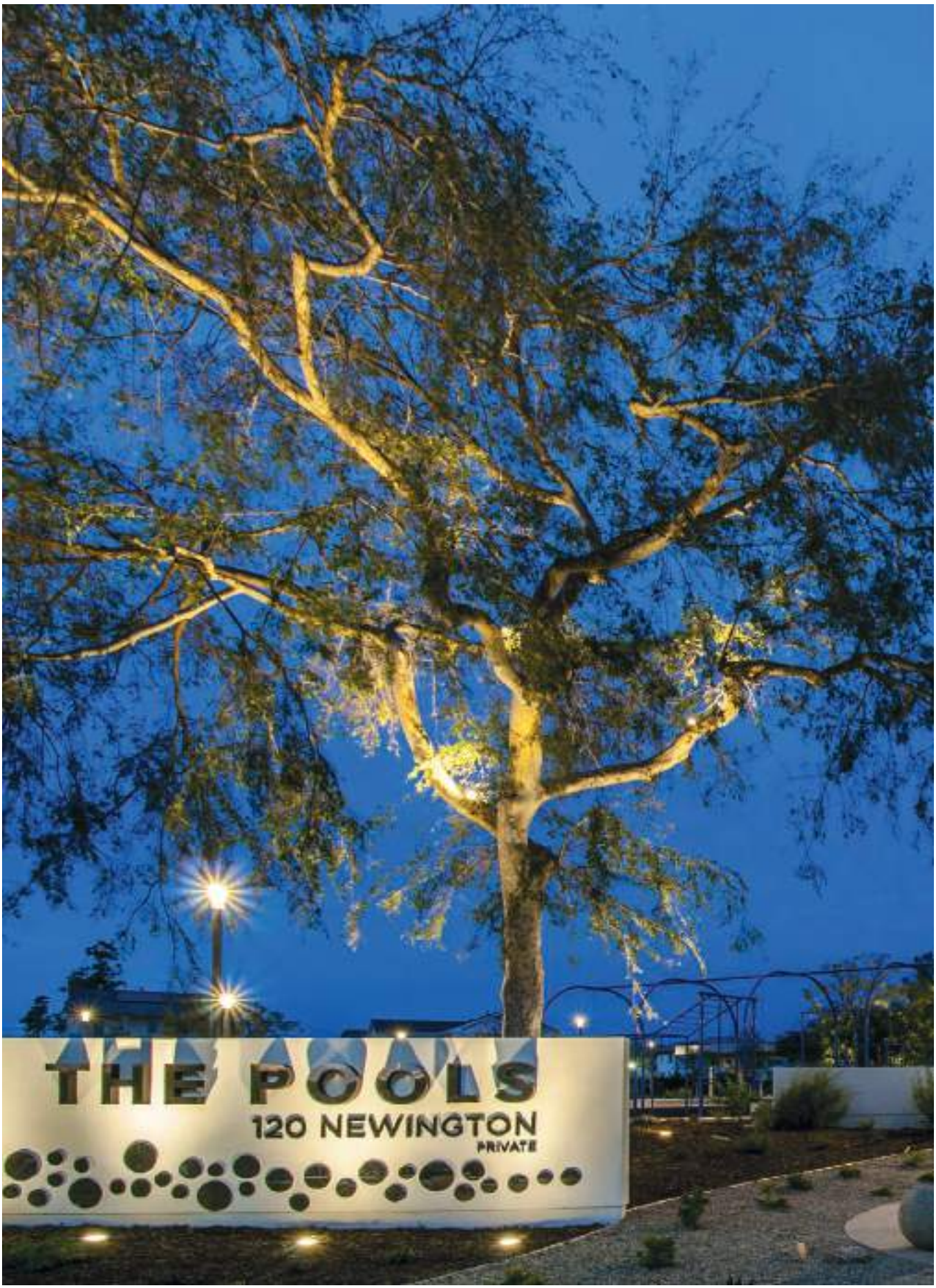
Keplero uses the “Waterblock Plus” technical solution that involves resin coating the connection cables and completely resin coating the integrated driver.
The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

The large versions of Keplero are available with an integrated electronic 220-240V driver, while the Keplero Mini has a range with both an integrated 110-240V driver and a remote 48V driver making it easier to connect several fixtures to the same driver that is available as an accessory. Cabling is simply through IP68 connectors that are equipped for In and Out looping.

The Pools
Irvine, USA

Architect Studio K1

Photographer ©Brad Nelson

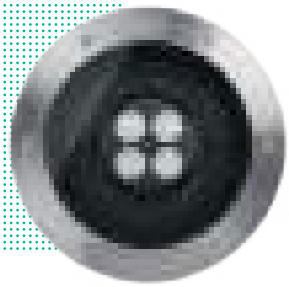


Zoom
Spot, Flood, Medium wide Flood, Wide flood

Zoom RGBW
Spot, Flood, Medium wide Flood, Wide flood

Wall Washer

Wall Washer RGBW



Gimbal
Narrow spot, Flood, Flood rectangle

Gimbal Hp
Narrow spot, Spot, Flood

Keplero

A powerful solution

And an ideal and flexible choice for lighting large and small public spaces, building facades and trees given its size and high performance.

Keplero Mini

A compact version

With only 166mm in diameter and has a maximum installation depth of just 200mm. It takes its technology and flexibility from the large version but given its dimensions and high performance it is also suitable for external lighting such as building facades and small trees.

Zoom
Spot, Flood, Medium wide flood, Wide flood

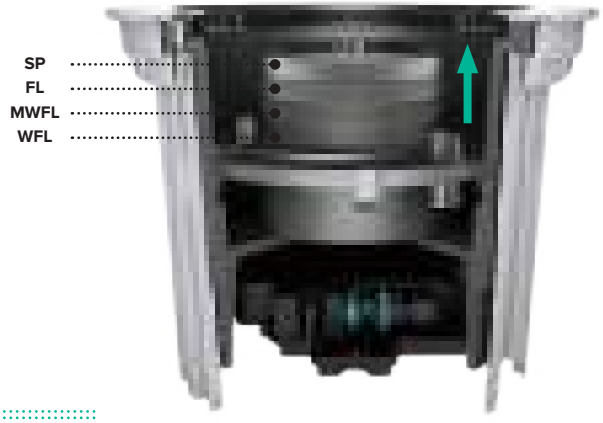
Wall Washer

Gimbal
Spot, Flood

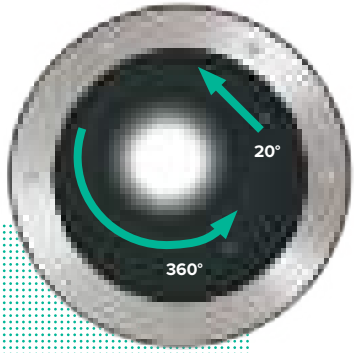
Hi-Efficacy
Spot, Flood, Medium wide flood

Hi- Efficacy RGBW
Spot, Flood, Medium wide flood

Plus



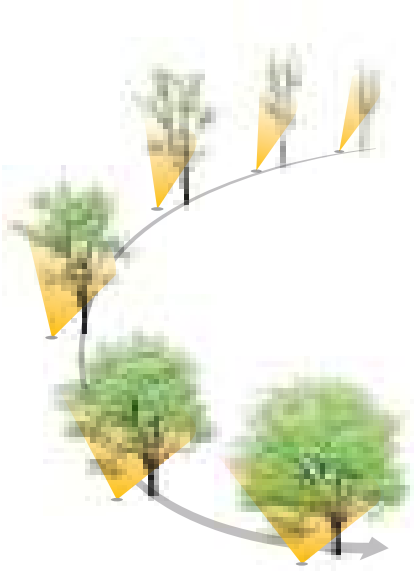
Keplero Zoom

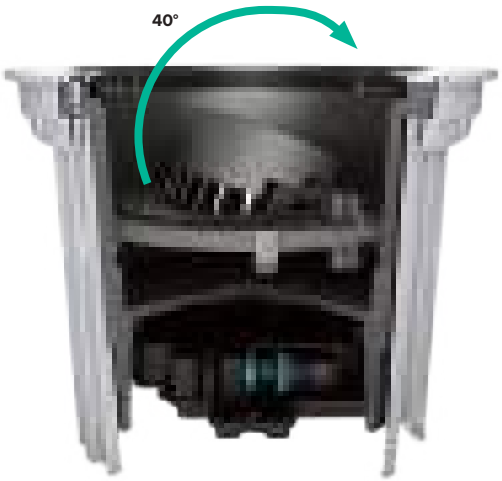


Keplero Mini Zoom

The dynamism of the optical system produces numerous luminous effects

Perfect solidity and stillness of an inground recessed fixture contrast with the dynamism of a unique optical system that gives life to countless luminous effects. The light emitted by Keplero Zoom and Keplero Mini Zoom can change at any time thanks to the innovative patented optical system that makes it possible to vary the beam opening by manually moving the optical unit. Thanks to a few simple steps it is possible to modify the emission of the fixture from spot to wide flood and adjust the beam up to 20°. Grade rings help to identify orientation and make replication simple.





Keplero Gimbal

Keplero Mini Gimbal

Gimbal optic

For precision lighting. A real projector given its high performance and the adjustability of the optical unit up to 40°.

Wall washer

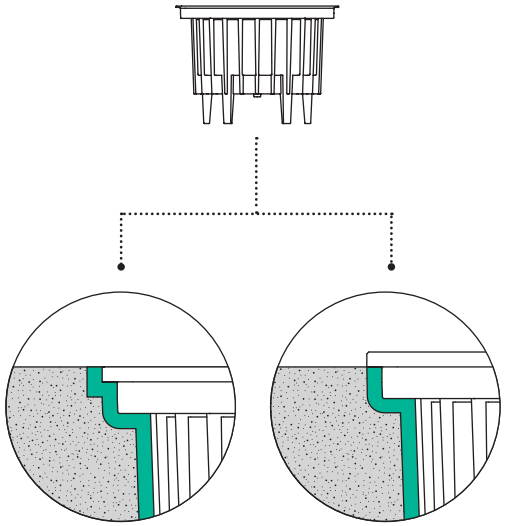
Optical system to light vertical surfaces uniformly

An optical system composed of a reflector and a lens that can not only guarantee complete uniformity on vertical surfaces but also excellent light diffusion from very close to the floor.
Now available even in a Mini version (Ø 161mm)

Keplero Wall Washer

Keplero Mini Wall Washer

Plus



Brushed stainless steel or copper bronze finish

Installed flush or protruding by simply removing the frame from the nylon installation sleeve available as an accessory. Special stainless steel inserts - with silicone o-ring - house the fixing screws of the ring thus preventing corrosion deriving from galvanic interactions

Extremely resistant to corrosion

The aluminium “primary alloy” with a low copper level used for die-casting makes Keplero highly resistant to corrosive phenomenon. In addition 8µm of anodisation, 15/40µm of cataphoresis treatment and 100µm of black polyester paint on the top ensure protection to all exposed surfaces, making it suitable to be installed up to 5 mt from the sea (no submersion).

Anti-slip glass

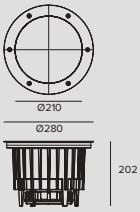
Keplero and Keplero Mini can be equipped with anti-slip glass, ideal for public pedestrian areas.

Easy pointing

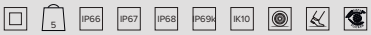
Graduated rings help to define aim adjustment and replicate it easily.

KEPLERO

Zoom



LED / 33W / SP, FL, MWFL, WFL



Certificate	Driver	Version	Colour	3000K	4000K
ENEC	EL.	STANDARD		**1E2386**	**1E2387**
	DALI	STANDARD		**1E2386DA**	**1E2387DA**
	EL.	ANTI-SLIP GLASS		**1E2386AS**	**1E2387AS**
	DALI	ANTI-SLIP GLASS		**1E2386DAAS**	**1E2387DAAS**

Note

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

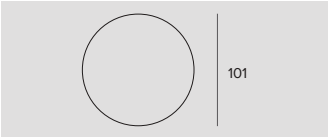
	Code
	1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

KEPLERO

Accessories

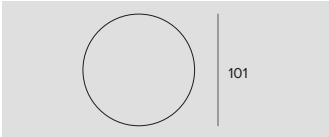
Filter



Ø	Code
101	**1T1696**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

Grid



Ø	Code
101	**1T1699**

Anti-glare louver.
Black painted metal honeycomb structure.

Shutter

Colour	Code
●	**1E2402**

Half-moon shutter.

Tool

Code
1E2496

Metal handle for fixture removal

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E0388

Sucker tool to raise the glass.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

KEPLERO

Control systems

	Code
	1E3048

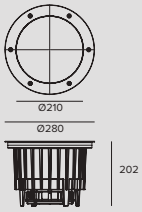
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

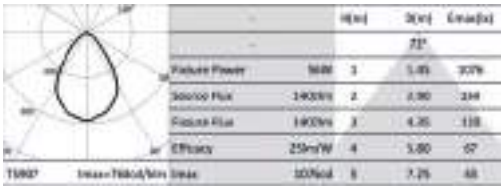
IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO

Zoom RGBW



LED RGBW / 49W / SP, FL, MWFL, WFL



	Driver	Version	Colour	RGBW
	EL. DMX	STANDARD		**1E2768**
	EL. DMX	ANTI-SLIP GLASS		**1E2768AS**

Note

Photometrics show the maximum emission values of fixtures.

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

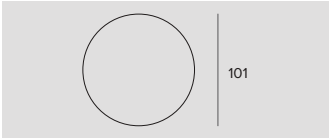
	Code
	1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

KEPLERO

Accessories

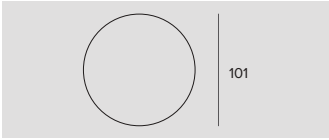
Filter



Ø	Code
101	**1T1696**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

Grid



Ø	Code
101	**1T1699**

Anti-glare louver.
Black painted metal honeycomb structure.

Shutter

Colour	Code
◐	**1E2402**

Half-moon shutter.

Tool

Code
1E2496

Metal handle for fixture removal

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E0388

Sucker tool to raise the glass.

Connector

Code
1E3184

IP68 4-way cable connector (5 pole).

KEPLERO

Control systems

	Code
	1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

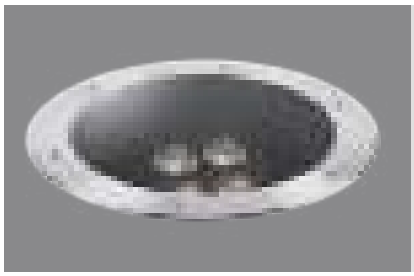
	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

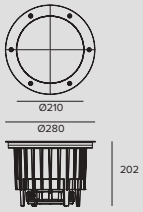
	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

KEPLERO



Gimbal



LED / 11W / NSP

Certificate	Driver	Version	Colour	3000K	4000K
ENEC	EL.	STANDARD		**1E2388**	**1E2389**
	DALI	STANDARD		**1E2388DA**	**1E2389DA**
	EL.	ANTI-SLIP GLASS		**1E2388AS**	**1E2389AS**
	DALI	ANTI-SLIP GLASS		**1E2388DAAS**	**1E2389DAAS**

LED / 11W / FL

Certificate	Driver	Version	Colour	3000K	4000K
ENEC	EL.	STANDARD		**1E2390**	**1E2391**
	DALI	STANDARD		**1E2390DA**	**1E2391DA**
	EL.	ANTI-SLIP GLASS		**1E2390AS**	**1E2391AS**
	DALI	ANTI-SLIP GLASS		**1E2390DAAS**	**1E2391DAAS**

LED / 11W / FL RECTANGLE

Certificate	Driver	Version	Colour	3000K	4000K
ENEC	EL.	STANDARD		**1E2392**	**1E2393**
	DALI	STANDARD		**1E2392DA**	**1E2393DA**
	EL.	ANTI-SLIP GLASS		**1E2392AS**	**1E2393AS**
	DALI	ANTI-SLIP GLASS		**1E2392DAAS**	**1E2393DAAS**

Note

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

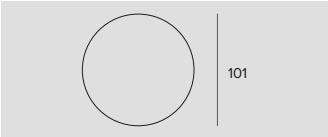
	Code
	1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

KEPLERO

Accessories

Filter



Ø	Code
101	**1T1696**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

Grid

Ø	Code
101	**1T1699**

Anti-glare louver.
Black painted metal honeycomb structure.

Shutter

Colour	Code
●	**1E2402**

Half-moon shutter.

Tool

Code
1E2496

Metal handle for fixture removal

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E0388

Sucker tool to raise the glass.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

KEPLERO

Control systems

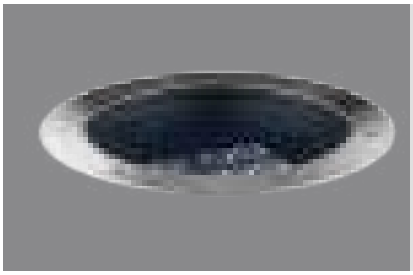
	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

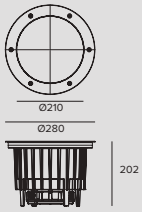
	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

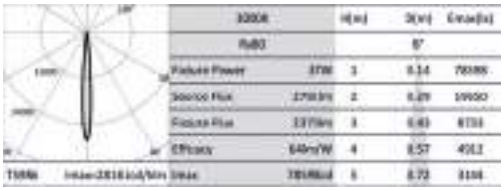
KEPLERO



Gimbal HP



LED / 33W / NSP



Driver	Version	Colour	3000K	4000K
EL.	STANDARD		**1E3050**	**1E3053**
DALI	STANDARD		**1E3050DA**	**1E3053DA**
EL.	ANTI-SLIP GLASS		**1E3050AS**	**1E3053AS**
DALI	ANTI-SLIP GLASS		**1E3050DAAS**	**1E3053DAAS**

LED / 33W / SP

Driver	Version	Colour	3000K	4000K
EL.	STANDARD		**1E3051**	**1E3054**
DALI	STANDARD		**1E3051DA**	**1E3054DA**
EL.	ANTI-SLIP GLASS		**1E3051AS**	**1E3054AS**
DALI	ANTI-SLIP GLASS		**1E3051DAAS**	**1E3054DAAS**

LED / 33W / FL

Driver	Version	Colour	3000K	4000K
EL.	STANDARD		**1E3052**	**1E3055**
DALI	STANDARD		**1E3052DA**	**1E3055DA**
EL.	ANTI-SLIP GLASS		**1E3052AS**	**1E3055AS**
DALI	ANTI-SLIP GLASS		**1E3052DAAS**	**1E3055DAAS**

Note

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

	Code
	1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

KEPLERO

Accessories

Tool

Code
1E2496

Metal handle for fixture removal

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E0388

Sucker tool to raise the glass.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code
1E3048

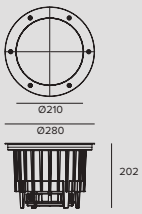
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO

Wall Washer



LED / 33W

Certificate	Driver	Version	Colour	3000K	4000K
ENEC	EL.	STANDARD		**1E2561**	**1E2562**
	DALI	STANDARD		**1E2561DA**	**1E2562DA**
	EL.	ANTI-SLIP GLASS		**1E2561AS**	**1E2562AS**
	DALI	ANTI-SLIP GLASS		**1E2561DAAS**	**1E2562DAAS**

Note

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

	Code
	1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

Accessories

Tool

	Code
	1E2495

Features TORX HEAD, TX 30.

	Code
	1E2496

Metal handle for fixture removal

KEPLERO

	Code
	1E0388

Sucker tool to raise the glass.

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

	Code
	1E3048

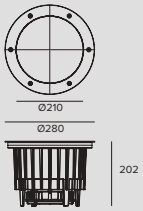
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

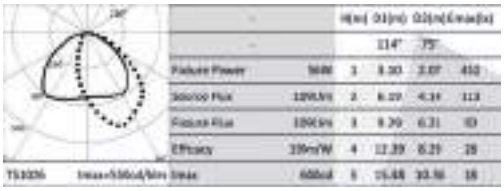
IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO

Wall Washer RGBW



LED RGBW / 49W



	Driver	Version	Colour	RGBW
	EL. DMX	STANDARD		**1E3123**
	EL. DMX	ANTI-SLIP GLASS		**1E3123AS**

Note

Photometrics show the maximum emission values of fixtures.

All lighting fixtures have to be completed with installation sleeves.

Copper bronze version: to order this version it is necessary to add the suffix “CB” to the end of the standard code.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation. IP69K complies with Standard DIN 40050-9.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

	Code
Grey nylon installation sleeve. The sleeve is pre-set for both flush or straight edge installation. Complete with dedicated cover cap for installations in concrete. Flush ring Ø 286 H.225. Straight edge ring Ø 271 H. 223.	**1E2394**

Accessories

Tool

	Code
Metal handle for fixture removal	**1E2496**

	Code
Features TORX HEAD, TX 30.	**1E2495**

KEPLERO

	Code
	1E0388

Sucker tool to raise the glass.

Connector

	Code
	1E3184

IP68 4-way cable connector (5 pole).

Control systems

	Code
	1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

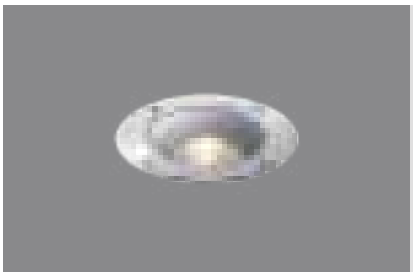
	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

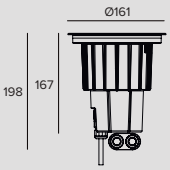
	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

KEPLERO



Mini Zoom



LED / 12W / ZOOM / SP, FL, MWFL, WFL / 220-240Vac

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2497**	**1E2498**
	DALI		**1E2497DA**	**1E2498DA**

LED / 12W / ZOOM / SP, FL, MWFL, WFL / 48Vdc

Certificate	Colour	3000K	4000K
ENEC		**1E2499**	**1E2500**

Note

All lighting fixtures have to be completed with installation sleeves and decorative ring.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

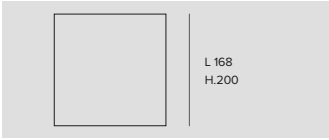
KEPLERO

Related codes

Sleeve

Ø	H	Code
166	200	**1E2521**

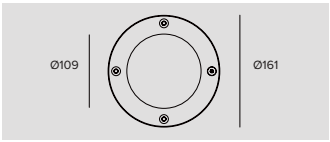
Installation sleeve.
Grey Nylon casing.
Round and square ring for semi-flush installation. Only round ring for flush installation.



L	H	Code
168	200	**1E2522**

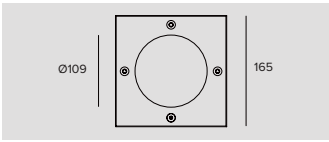
Installation sleeve.
Grey Nylon casing and stainless steel profile.
Square ring for flush installation.

Decorative Ring



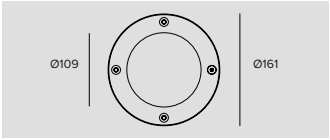
Colour	Code
	1E2525
	1E2525CB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



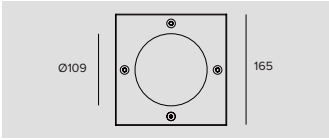
Code
1E2526

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



Colour	Code
	1E2525AS
	1E2525ASCB

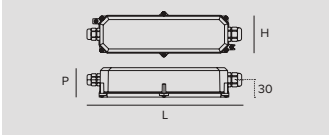
Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.



Code
1E2526AS

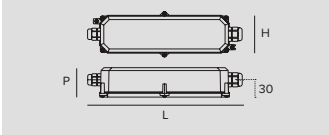
Brushed stainless steel (AISI316L), ultra flat square decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

Power Supply



Code
1E2320

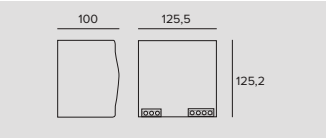
Electronic driver 70W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).



Code
1E2321

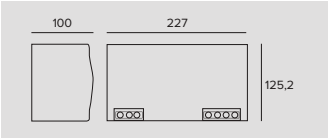
Electronic driver 150W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).

KEPLERO



Code
1E2533

Electronic driver 240W, LxHxP=125x100x125mm, input voltage: 220V-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

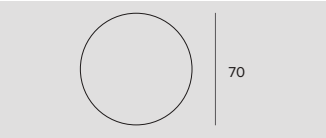


Code
1E2323

Electronic driver 480W, LxHxP=227x100x125mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

Accessories

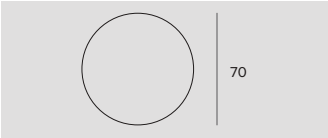
Filter



Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Grid



Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Shutter

Colour	Code
●	**1E2523**

Black half-moon shutter.

Tool

Code
1E0388

Sucker tool to raise the glass.

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E2524

Metal handle for fixture removal

KEPLERO

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

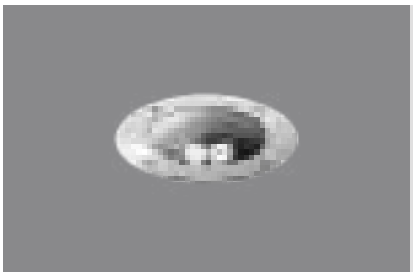
	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

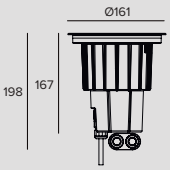
	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO



Mini Gimbal



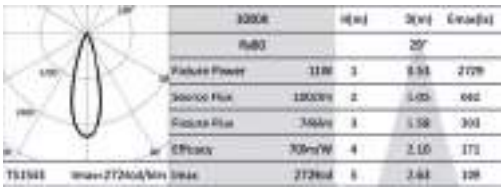
LED / 8,2W / GIMBAL / SP / 220-240Vac

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2501**	**1E2502**
	DALI		**1E2501DA**	**1E2502DA**

LED / 8,2W / GIMBAL / SP / 48Vdc

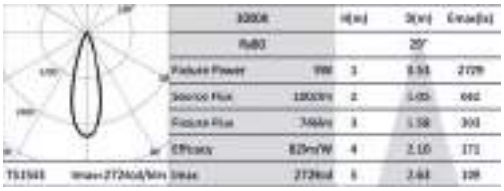
Certificate	Colour	3000K	4000K
ENEC		**1E2505**	**1E2506**

LED / 8,2W / GIMBAL / FL / 220-240Vac



Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2503**	**1E2504**
	DALI		**1E2503DA**	**1E2504DA**

LED / 8,2W / GIMBAL / FL / 48Vdc



Certificate	Colour	3000K	4000K
ENEC		**1E2507**	**1E2508**

Note

All lighting fixtures have to be completed with installation sleeves and decorative ring.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation.

All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

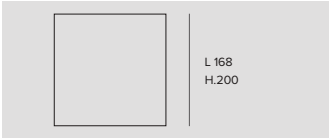
KEPLERO

Related codes

Sleeve

Ø	H	Code
166	200	**1E2521**

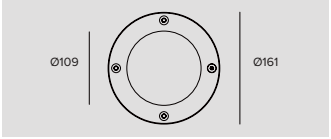
Installation sleeve.
Grey Nylon casing.
Round and square ring for semi-flush installation. Only round ring for flush installation.



L	H	Code
168	200	**1E2522**

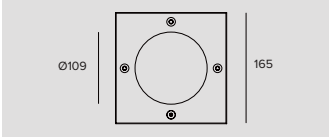
Installation sleeve.
Grey Nylon casing and stainless steel profile.
Square ring for flush installation.

Decorative Ring



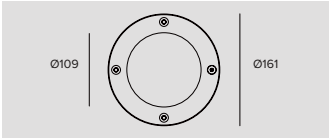
Colour	Code
	1E2525
	1E2525CB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



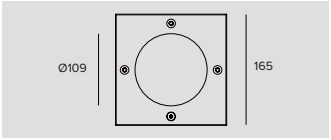
Code
1E2526

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



Colour	Code
	1E2525AS
	1E2525ASCB

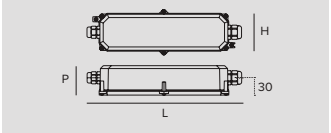
Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.



Code
1E2526AS

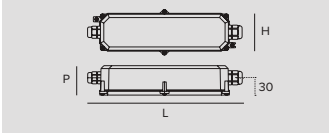
Brushed stainless steel (AISI316L), ultra flat square decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

Power Supply



Code
1E2320

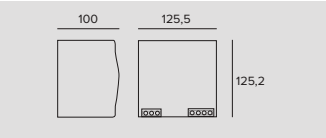
Electronic driver 70W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).



Code
1E2321

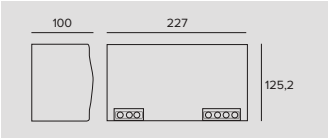
Electronic driver 150W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).

KEPLERO



Code
1E2533

Electronic driver 240W, LxHxP=125x100x125mm, input voltage: 220V-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

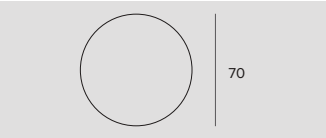


Code
1E2323

Electronic driver 480W, LxHxP=227x100x125mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

Accessories

Filter



Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Grid

Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Shutter

Colour	Code
●	**1E2523**

Black half-moon shutter.

Tool

Code
1E0388

Sucker tool to raise the glass.

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E2524

Metal handle for fixture removal

KEPLERO

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

	Code
	1E3048

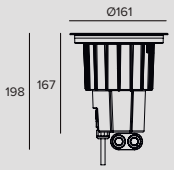
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO

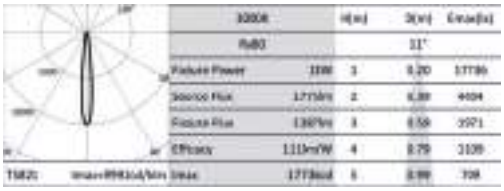
Mini High Efficacy



LED / 12W / SP / 220-240Vac

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2509**	**1E2510**
	DALI		**1E2509DA**	**1E2510DA**

LED / 12W / SP / 48Vdc

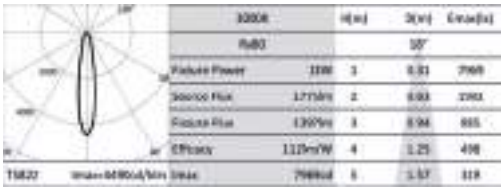


Certificate	Colour	3000K	4000K
ENEC		**1E2515**	**1E2516**

LED / 12W / FL / 220-240Vac

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2511**	**1E2512**
	DALI		**1E2511DA**	**1E2512DA**

LED / 12W / FL / 48Vdc



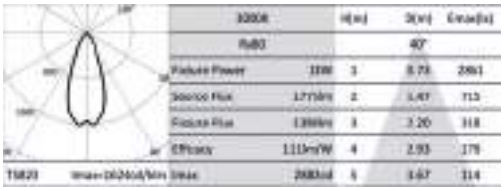
Certificate	Colour	3000K	4000K
ENEC		**1E2517**	**1E2518**

LED / 12W / MWFL / 220-240Vac

Certificate	Driver	Colour	3000K	4000K
ENEC	EL.		**1E2513**	**1E2514**
	DALI		**1E2513DA**	**1E2514DA**

KEPLERO

LED / 12W / MWFL / 48Vdc



Certificate	Colour	3000K	4000K
ENEC		**1E2519**	**1E2520**

Note

All lighting fixtures have to be completed with installation sleeves and decorative ring.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation.

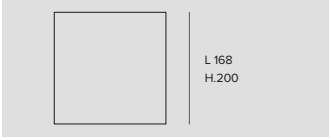
All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

Ø	H	Code
166	200	**1E2521**

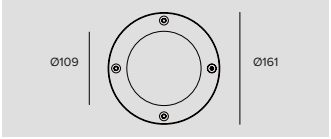
Installation sleeve.
Grey Nylon casing.
Round and square ring for semi-flush installation. Only round ring for flush installation.



L	H	Code
168	200	**1E2522**

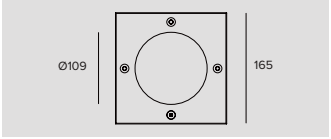
Installation sleeve.
Grey Nylon casing and stainless steel profile.
Square ring for flush installation.

Decorative Ring



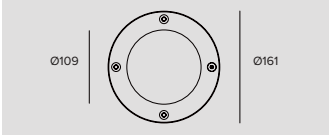
Colour	Code
	1E2525
	1E2525CB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



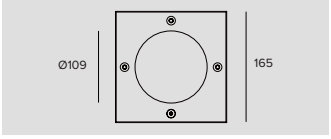
Code
1E2526

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



Colour	Code
	1E2525AS
	1E2525ASCB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

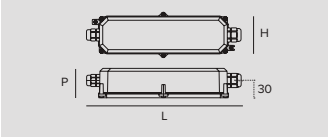


Code
1E2526AS

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

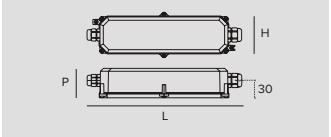
KEPLERO

Power Supply



Code
1E2320

Electronic driver 70W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).

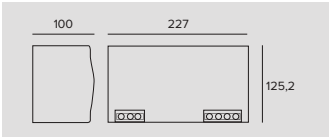


Code
1E2321

Electronic driver 150W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).

Code
1E2533

Electronic driver 240W, LxHxP=125x100x125mm, input voltage: 220V-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

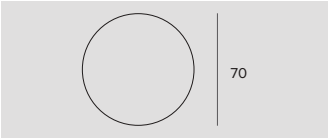


Code
1E2323

Electronic driver 480W, LxHxP=227x100x125mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

Accessories

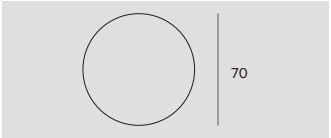
Filter



Ø	Code
70	**1T1708**

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Grid



Ø	Code
70	**1T1711**

Anti-glare louver.
Black painted metal honeycomb structure.
To be completed with an additional holder ring for Cloud, Ray Mini, Store, Label 9, CCTEVO Extractable 162 and Keplero Mini HE.

Shutter

Colour	Code
●	**1E2523**

Black half-moon shutter.

Holder Ring

Code
1T3727

Transparent polycarbonate accessory holder ring.

KEPLERO

Tool

Code
1E0388

Sucker tool to raise the glass.

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E2524

Metal handle for fixture removal

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code
1E3048

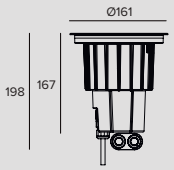
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

KEPLERO

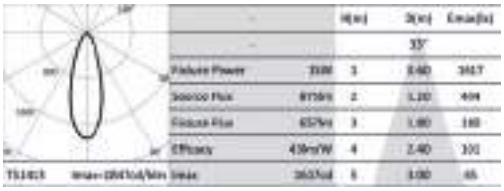
Mini High Efficacy RGBW



LED RGBW / 15W / SP

Power supply	Colour	RGBW
450mA		**1E3867**

LED RGBW / 15W / FL



Power supply	Colour	RGBW
450mA		**1E3868**

LED RGBW / 15W / MWFL

Power supply	Colour	RGBW
450mA		**1E3869**

Note

Photometrics show the maximum emission values of fixtures.

All lighting fixtures have to be completed with installation sleeves and decorative ring.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation.

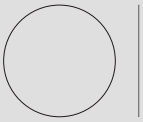
All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

KEPLERO

Related codes

Sleeve



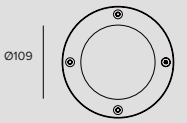
Ø	H	Code
166	200	**1E2521**

Installation sleeve.
Grey Nylon casing.
Round and square ring for semi-flush installation. Only round ring for flush installation.

L	H	Code
168	200	**1E2522**

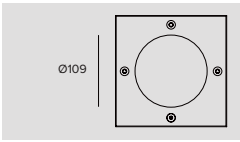
Installation sleeve.
Grey Nylon casing and stainless steel profile.
Square ring for flush installation.

Decorative Ring



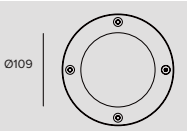
Colour	Code
	1E2525
	1E2525CB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



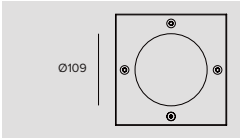
Code
1E2526

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



Colour	Code
	1E2525AS
	1E2525ASCB

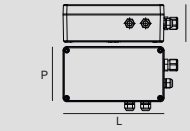
Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.



Code
1E2526AS

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

Power Supply



Code
1E3881

DMX 4 channel driver.
LxHxP=220x80x120mm, IP68, 110-277Vac.

KEPLERO

Accessories

Tool

	Code
	1E0388

Sucker tool to raise the glass.

	Code
	1E2495

Features TORX HEAD, TX 30.

	Code
	1E2524

Metal handle for fixture removal

Control systems

	Code
	1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

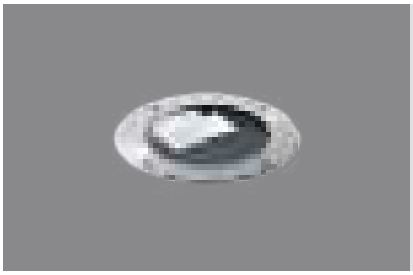
	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

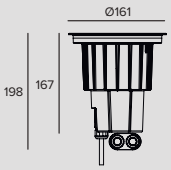
	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

KEPLERO



Mini Wall Washer



LED / 12W / WALL WASHER / 220-240Vac

Driver	Colour	3000K	4000K
EL.		**1E3517**	**1E3518**
DALI		**1E3517DA**	**1E3518DA**

LED / 12W / WALL WASHER / 48Vdc

Colour	3000K	4000K
	1E3519	**1E3520**

Note

All lighting fixtures have to be completed with installation sleeves and decorative ring.

The projector can withstand temporary accidental immersion to a depth of 1.3 metres (max.1h) but is unsuitable for permanent underwater installation.

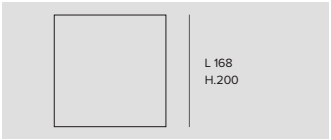
All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass which characterises the LED range of fixtures make them suitable even for installation in “special areas”, such as spaces for children.

Related codes

Sleeve

Ø	H	Code
166	200	**1E2521**

Installation sleeve.
Grey Nylon casing.
Round and square ring for semi-flush installation. Only round ring for flush installation.

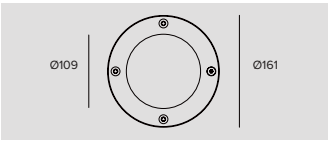


L	H	Code
168	200	**1E2522**

Installation sleeve.
Grey Nylon casing and stainless steel profile.
Square ring for flush installation.

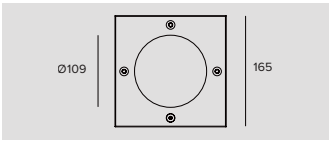
KEPLERO

Decorative Ring



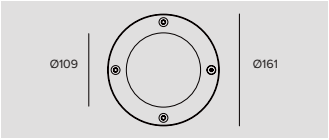
Colour	Code
	1E2525
	1E2525CB

Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



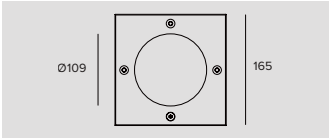
Code
1E2526

Brushed stainless steel (AISI316L), ultra flat square decorative ring.
10mm thick extra clear protective glass.
Silicone gasket.
Anti-theft Torx screws.



Colour	Code
	1E2525AS
	1E2525ASCB

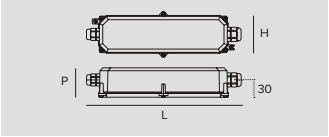
Brushed stainless steel (AISI316L), ultra flat, bevelled edge decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.



Code
1E2526AS

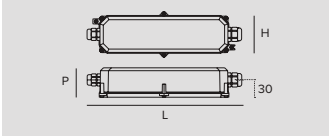
Brushed stainless steel (AISI316L), ultra flat square decorative ring.
Special 10mm thick anti-slip glass for public pedestrian areas.
Silicone gasket.
Anti-theft Torx screws.

Power Supply



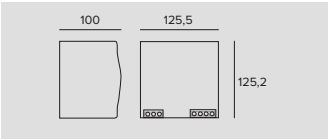
Code
1E2320

Electronic driver 70W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).



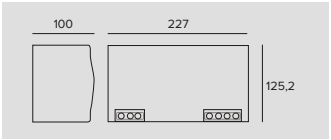
Code
1E2321

Electronic driver 150W, LxHxP=225x51x65mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP67.
Cable length 1 meter (IN-OUT).



Code
1E2533

Electronic driver 240W, LxHxP=125x100x125mm, input voltage: 220V-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.



Code
1E2323

Electronic driver 480W, LxHxP=227x100x125mm, input voltage: 220-240V 50/60Hz, 48V-DC, IP20.
Without cable.
Complete with connector.
Electrical panel power supply - DIN RAIL power supply.

KEPLERO

Accessories

Tool

Code
1E0388

Sucker tool to raise the glass.

Code
1E2495

Features TORX HEAD, TX 30.

Code
1E2524

Metal handle for fixture removal

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

JUPITER

GENERAL INFO
Miniaturised recessed fixture
ø80mm - ø50mm

LED
Chip on board
From 157lm to 779lm
2700K - 3000K - 4000K
Ra90

PRODUCT EFFICACY
Up to 93lm/W

OPTICS
SP – FL – WFL

POWER SUPPLY
24V
Casambi control system available using a dedicated accessory (only with DALI dimmer).

MATERIAL
Anodised polished aluminium body. Polished stainless steel front ring.

ON DEMAND
110-277Vac power supply

High performance fixture with a lenticular optic. The absence of visible screws and the raised ring avoid treacherous steps on the ground. The 24V power supply makes it possible to install Jupiter in environments like SPAs or near swimming pools. It is easy to install and has an extremely compact recess depth.

All Jupiter fixtures are drive-over and can also be supplied complete with an anti-glare grill or an asymmetric screen.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

Also available in a projector version.

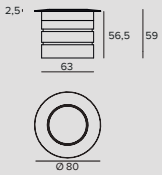
Studio Ceri
Prato, Italy

Architect Studio Ceri

Photographer Officine Fotografiche

JUPITER

Drive-over



LED / 6,1W / SP

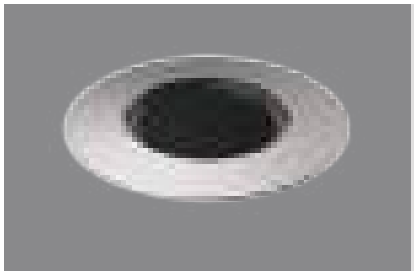
Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E345190**	**1E345490**	**1E345790**

LED / 6,1W / FL (39°)

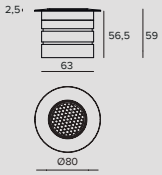
Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E345290**	**1E345590**	**1E345890**

LED / 6,1W / WFL

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E345390**	**1E345690**	**1E345990**



Drive-over with grid



LED / 6,1W / SP

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E347190**	**1E347490**	**1E347790**

JUPITER

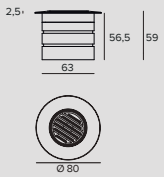
LED / 6,1W / FL (29°)

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E347290**	**1E347590**	**1E347890**

LED / 6,1W / FL (38°)

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E347390**	**1E347690**	**1E347990**

Drive-over with asymmetric screen



LED / 6,1W / SP - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E348990**	**1E349290**	**1E349590**

LED / 6,1W / FL - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E349090**	**1E349390**	**1E349690**

LED / 6,1W / WFL - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E349190**	**1E349490**	**1E349790**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

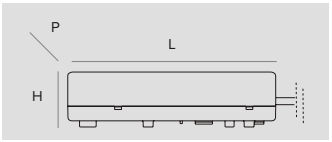
JUPITER

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Sleeve

Ø	H	Code
75	80	**1E3460**

Installation sleeve.
For the drive-over version.

JUPITER

Accessories

Connector

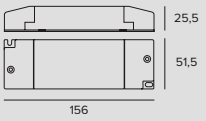
	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

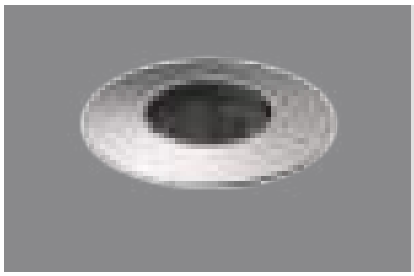
	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

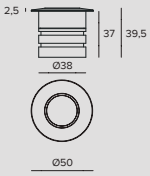
	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

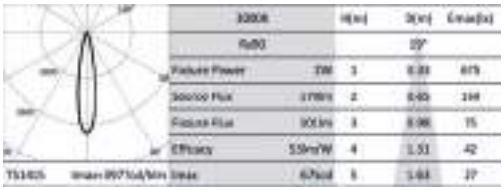
JUPITER



Mini Drive-over

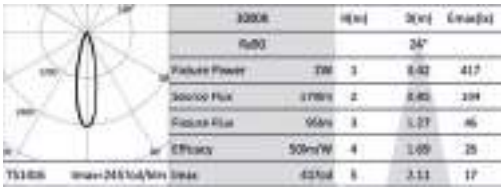


LED / 1,9W / SP (19°)



Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E346190**	**1E346490**	**1E346790**

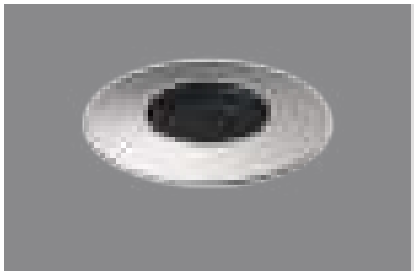
LED / 1,9W / SP (24°)



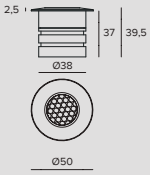
Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E346290**	**1E346590**	**1E346890**

LED / 1,9W / FL

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E346390**	**1E346690**	**1E346990**



Mini Drive-over with grid



LED / 1,9W / SP (17°)

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E348090**	**1E348390**	**1E348690**

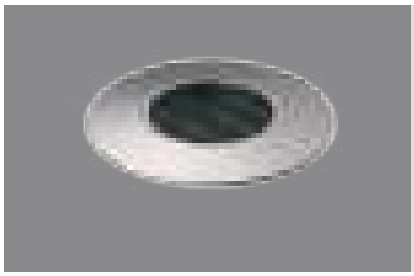
JUPITER

LED / 1,9W / SP (20°)

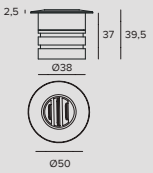
Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E348190**	**1E348490**	**1E348790**

LED / 1,9W / SP (25°)

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E348290**	**1E348590**	**1E348890**



Mini Drive-over with asymmetric screen



LED / 1,9W / SP - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E349890**	**1E350190**	**1E350490**

LED / 1,9W / FL - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E349990**	**1E350290**	**1E350590**

LED / 1,9W / WFL - ASYM

Power supply	Colour	2700K	3000K	4000K
24Vdc		**1E350090**	**1E350390**	**1E350690**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

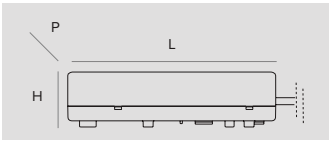
JUPITER

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Sleeve

Ø	H	Code
44	60	**1E3470**

Installation sleeve.
For the drive-over version.

JUPITER

Accessories

Connector

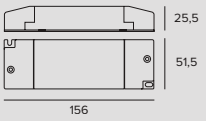
	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

LED.Y

GENERAL INFO
Recessed fixture
Multiled
ø60mm – ø68mm
Monoled-RGB
ø63mm

LED
Monoled: LED emitter
3000K – 6000K
From 99lm to 143lm
Ra80
Multiled: LED Board
6000K – Blue – Amber
From 1lm to 7lm
Ra80
RGB: RGB LED Multichip
From 8lm to 48lm

PRODUCT EFFICACY
Up to 48lm/W

OPTICS
Monoled
SP - FL
Multiled/RGB
VWFL

POWER SUPPLY
Electronic

MATERIAL
Anodised aluminium body and ring.

ON DEMAND
110-277Vac power supply

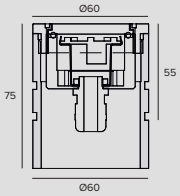
A series of miniature LED fixtures available in recessed or projector versions with monochromatic LED and RGB technology. The monochromatic versions are both mono and multi-LED.

The recessed version has a flat, flared edge and domed glass for a choreographic effect.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

LED.Y

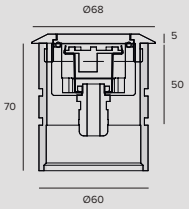
Multiled
Flush ring
Flat screen



LED / 1W / VWFL

Power supply	Colour	6000K	AMBRA	BLU
24Vdc		**1E1022**	**1E1021**	**1E1028**

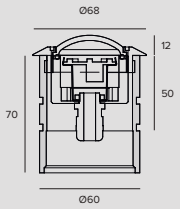
Multiled
Raised ring
Flat screen



LED / 1W / VWFL

Power supply	Colour	6000K	AMBRA	BLU
24Vdc		**1E1012**	**1E1011**	**1E1018**

Multiled
Raised ring
Curved screen



LED / 1W / VWFL

Power supply	Colour	6000K	AMBRA	BLU
24Vdc		**1E1002**	**1E1001**	**1E1008**

Note

All LED.Y fixtures meet all the requirements of EN 60598-2-13 standard regarding pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as pedestrian zones and other designated areas.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

LED.Y

Related codes

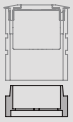
Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.

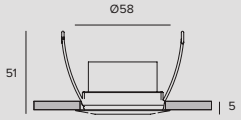
Accessories

Mounting System



Code
1E0994

Installation kit.
Extension for the PVC casing.
A wider space facilitates electrical connections.
Water tight electrical connection system is not included.



Code
1E0996

Steel spring. For ceiling and wall installation.

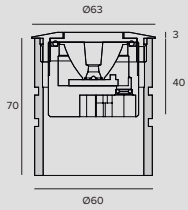
Tool

Code
1E0990

Mounting key.

LED.Y

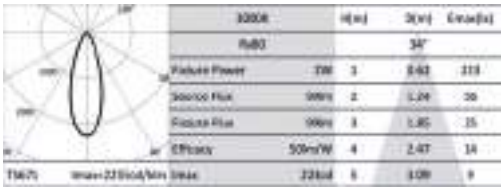
Monoled



LED / 2W / SP

Power supply	Colour	3000K	6000K
700mA		**1E2367**	**1E2368**

LED / 2W / FL



Power supply	Colour	3000K	6000K
700mA		**1E2369**	**1E2370**

Note

All LED.Y fixtures meet all the requirements of EN 60598-2-13 standard regarding pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as pedestrian zones and other designated areas.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

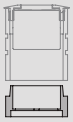
Power Supply

Dimensions ØxH	W	Power supply	Output current	IP	Code
105x74	17W 12W	220-240Vac 110-120Vac	700mA	IP68	**1E1385**

Electronic power supply.

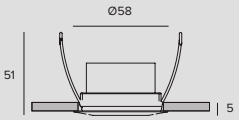
Accessories

Mounting System



	Code
	1E0994

Installation kit.
Extension for the PVC casing.
A wider space facilitates electrical connections.
Water tight electrical connection system is not included.



	Code
	1E0996

Steel spring. For ceiling and wall installation.

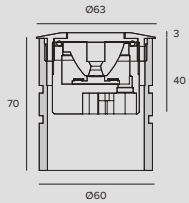
Tool

	Code
	1E0990

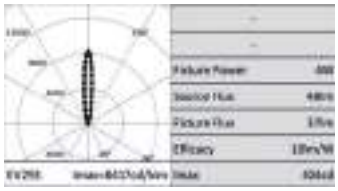
Mounting key.

LED.Y

Monoled RGB

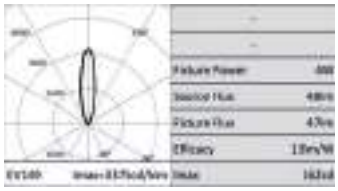


LED RGB / 3,5W / SP



Power supply	Colour	RGB
3x350mA		**1E1854**

LED RGB / 3,5W / FL



Power supply	Colour	RGB
3x350mA		**1E1409**

Note

Photometrics show the maximum emission values of fixtures.

All LED.Y fixtures meet all the requirements of EN 60598-2-13 standard regarding pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as pedestrian zones and other designated areas.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Control systems

Code
1E1401

SECS 75.
IP67
Power supply and Control System SECS Scene Effect Control System.
SECS 75 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
75W output.

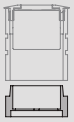
Code
1T2245

SECS 36.
IP20
Power supply and Control System SECS Scene Effect Control System.
SECS 36 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
35W output.

LED.Y

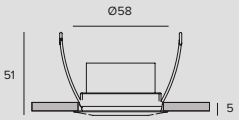
Accessories

Mounting System



Code
1E0994

Installation kit.
Extension for the PVC casing.
A wider space facilitates electrical connections.
Water tight electrical connection system is not included.



Code
1E0996

Steel spring. For ceiling and wall installation.

Tool

Code
1E0990

Mounting key.

Cable

Code
1E1713

6-pole cable for driver output connection to Constant Current LED sources.

Control systems

Code
1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

Code
1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

TITANO

GENERAL INFO
Semi-recessed fixture for grazing light effect.
ø169mm

LED
LED Emitter multichip
From 47lm to 181lm
3000K - 4000K
Ra80

PRODUCT EFFICACY
Unitil 31lm/W

OPTICS
One-emission 106°
Double-emission 106°+106°
Pluri-emission 4x62°

POWER SUPPLY
Electronic

MATERIAL
Stainless steel body.
Painted anodised aluminium ring and cover.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

Cataphoresis treatment

Grazing light effect inground fixture with a light that can be projected in one, two or more directions. The vertical angle is controlled by the lens to produce a glare-free effect which is highly effective on horizontal surfaces.

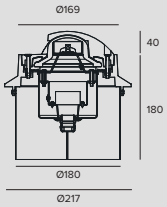
They meet all the requirements of standard EN 60598-2-13 regarding vehicle and pedestrian use and are therefore ideal for lighting all the areas provided for by the regulations, such as car parks, pedestrian zones and other designated areas.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

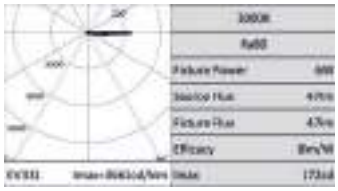
The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

TITANO

LED

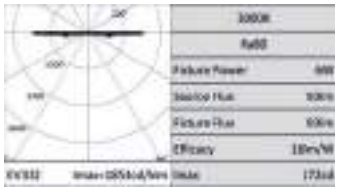


LED / 5W / MONO-DIRECTIONAL EMISSION



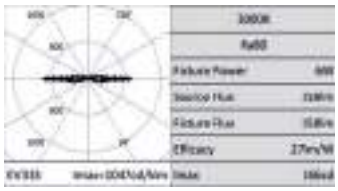
	Driver	Colour	3000K	4000K
	EL.		**1E2770**	**1E2771**

LED / 5W / BI-DIRECTIONAL EMISSION



	Driver	Colour	3000K	4000K
	EL.		**1E2772**	**1E2773**

LED / 5W / MULTIDIRECTIONAL



	Driver	Colour	3000K	4000K
	EL.		**1E2774**	**1E2775**

Accessories

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

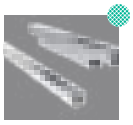
Projectors

Outdoor

New product
Line Extension
New Performances
New Accessory

648
JEDI

648
JEDI RGBW

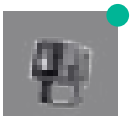


662
JEDI Compact
IP67

302
VOLTA

680
DART Maxi
214x214mm

680
DART Medium
134x134mm



680
DART Medium
RGBW
134x134mm

680
DART Small
76x76mm

680
DART Small
Remote driver
76x76mm

702
PYROS
Ø 186mm

702
PYROS
RGBW
Ø 186mm

702
NANO PYROS
Ø 107mm

702
NANO PYROS
RGB
Ø 107mm

702
PICO PYROS
Ø 45mm

716
JUPITER PRO
Ø 50mm

716
JUPITER PRO
Small
Ø 40mm

716
JUPITER Mini
Ø 38mm

730
LED.Y
Ø50mm

730
LED.Y
RGB
Ø 50mm

JEDI

Projector

GENERAL INFO
Adjustable linear projector.
Lengths 616mm – 916mm – 1216mm

LED
Optics FL, GR, WW - Linear boards
Optic SP - LED Emitter
Version RGBW - LED Emitter
From 632lm to 7180m
3000K – 4000K
Ra80
RGBW

PRODUCT EFFICACY
Up to 117lm/W

OTTICHE
SP – FL – Grazing – Wall Washer

POWER SUPPLY
Electronic – DALI

MATERIAL
Extruded anodised aluminium body.
Extra clear glass flat screen.
Black polycarbonate driver box.

ON DEMAND

110-277Vac power supply (Jedi RGBW)

2700K - 3500K

A coordinated range of linear projectors for lighting wide surfaces. The multiplicity of effects, installation flexibility, three different lengths and the possibility to camouflage them into the architecture make them fundamental tools for lighting large surfaces.

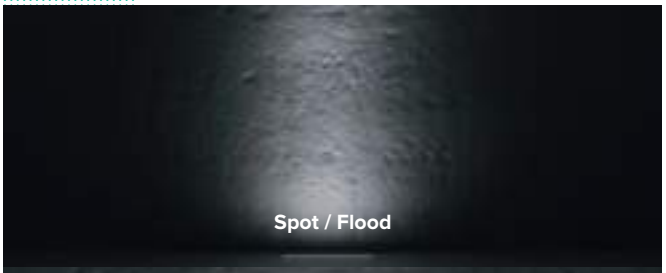
The accessory fixing system allows the projector to be adjusted with aim locking.

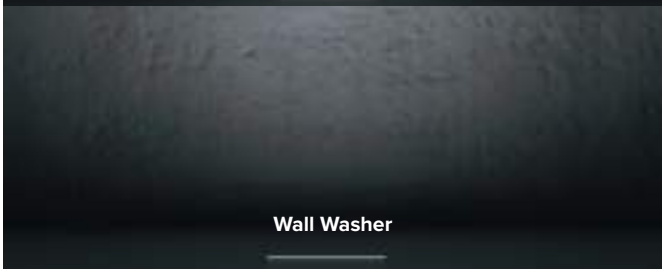
Completely sealed housing complete - external electrical connection through IP68 connectors.

Also available Inground and RGBW versions.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

Plus





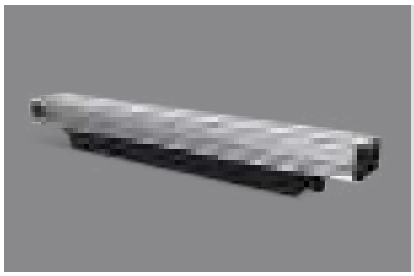
Four different effects

Spot and Flood optics to obtein more concentrated, precise lighting.
Grazing Optic for a grazing, uniform light effect for installation near to the wall to be illuminated.
Wall Washer Optic for a completely homogeneous effect on the wall, thus avoiding any bright stripes or separate beams that are typical of linear fixtures that are fitted with visible LED strips.

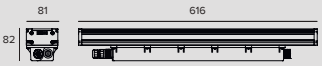
The different lengths have proportioned lumen packets to suit each one

The different lengths have proportioned lumen packets to suit each one. The same quantity of light per linear metre makes it possible to light every surface in a uniform way irrespective of the length of the fixture used.

JEDI



Projector
L. 616mm



LED / 23W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2653**	**1E2654**
DALI		**1E2655**	**1E2656**

LED / 12W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2605**	**1E2606**
DALI		**1E2607**	**1E2608**

LED / 24W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2609**	**1E2610**
DALI		**1E2611**	**1E2612**

LED / 12W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2629**	**1E2630**
DALI		**1E2631**	**1E2632**

LED / 24W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2633**	**1E2634**
DALI		**1E2635**	**1E2636**

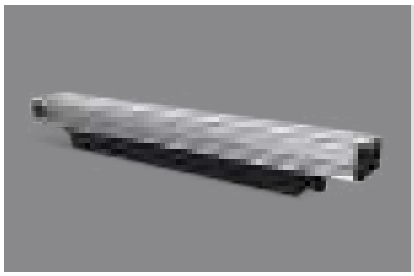
JEDI

LED / 12W / GRAZING

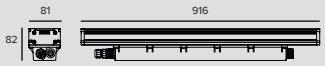
Driver	Colour	3000K	4000K
EL.		**1E2581**	**1E2582**
DALI		**1E2583**	**1E2584**

LED / 24W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2585**	**1E2586**
DALI		**1E2587**	**1E2588**



Projector
L. 916mm



LED / 34W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2657**	**1E2658**
DALI		**1E2659**	**1E2660**

LED / 18W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2613**	**1E2614**
DALI		**1E2615**	**1E2616**

LED / 36W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2617**	**1E2618**
DALI		**1E2619**	**1E2620**

JEDI

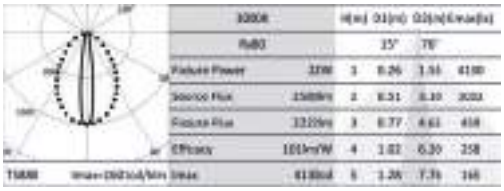
LED / 18W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2637**	**1E2638**
DALI		**1E2639**	**1E2640**

LED / 36W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2641**	**1E2642**
DALI		**1E2643**	**1E2644**

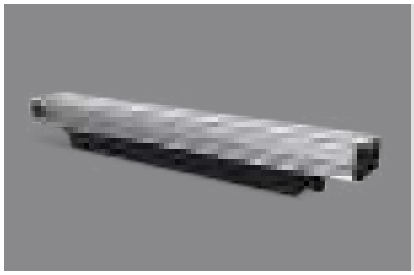
LED / 18W / GRAZING



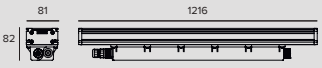
Driver	Colour	3000K	4000K
EL.		**1E2589**	**1E2590**
DALI		**1E2591**	**1E2592**

LED / 36W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2593**	**1E2594**
DALI		**1E2595**	**1E2596**



Projector
L. 1216mm



LED / 46W / SPOT

Driver	Colour	3000K	4000K
EL.		**1E2661**	**1E2662**
DALI		**1E2663**	**1E2664**

JEDI

LED / 24W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2621**	**1E2622**
DALI		**1E2623**	**1E2624**

LED / 48W / FLOOD

Driver	Colour	3000K	4000K
EL.		**1E2625**	**1E2626**
DALI		**1E2627**	**1E2628**

LED / 24W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2645**	**1E2646**
DALI		**1E2647**	**1E2648**

LED / 48W / WALL WASHER

Driver	Colour	3000K	4000K
EL.		**1E2649**	**1E2650**
DALI		**1E2651**	**1E2652**

LED / 24W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2597**	**1E2598**
DALI		**1E2599**	**1E2600**

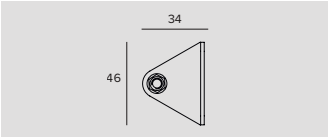
LED / 48W / GRAZING

Driver	Colour	3000K	4000K
EL.		**1E2601**	**1E2602**
DALI		**1E2603**	**1E2604**

JEDI

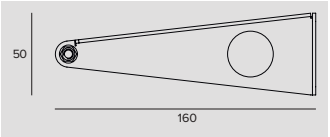
Related codes

Mounting System



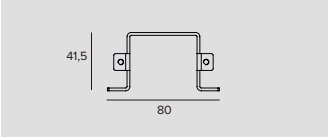
Code
1E2752

Short bracket for wall installation (2 pieces).



Code
1E2753

Long bracket for wall installation (2 pieces).



Code
1E2754

Bracket for ceiling installation (2 pieces).

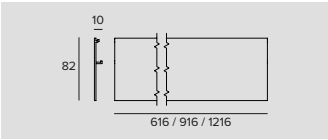
Accessories

End Caps

Code
1E2761

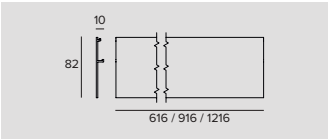
End cap.

Cover Panel



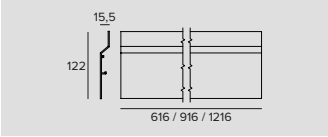
L	Code
616	**1E3045**
916	**1E3046**
1216	**1E3047**

Side cover for ceiling installation.



L	Code
616	**1E2755**
916	**1E2756**
1216	**1E2757**

Side cover for wall/cornice installation.



L	Code
616	**1E2758**
916	**1E2759**
1216	**1E2760**

Anti-glare side cover.

JEDI

Cable

L	Code
320	**1E2762**
470	**1E2763**
620	**1E2764**
770	**1E2765**

Connection cable.
Complete with 5 pole connectors.
For the electronic and DALI version.
1E2762 - For in line adjacent connection of one 600mm projector with one 900mm projector.
1E2763 - For in line adjacent connection of one 600mm projector with one 1200mm projector or two 900mm projectors.
1E2764 - For in line adjacent connection of one 900mm projector with one 1200mm projector.
1E2765 - For in line adjacent connection of two 1200mm projectors.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Control systems

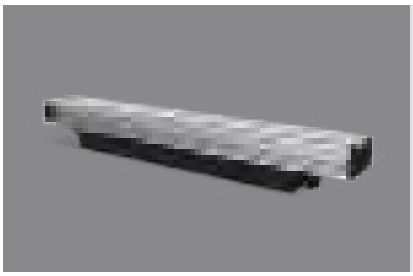
Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

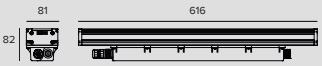
Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

JEDI



Projector RGBW
L. 616mm



LED RGBW / 17W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3112**

LED RGBW / 17W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3113**

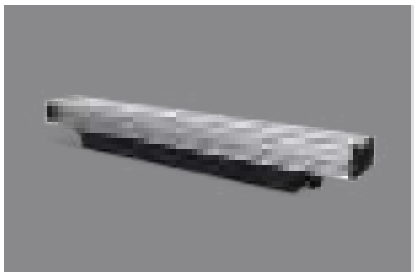
LED RGBW / 17W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3114**

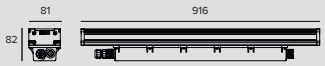
LED RGBW / 17W 4Ch / GRAZING

Driver	Colour	RGBW
EL. DMX		**1E3111**

JEDI



Projector RGBW
L. 916mm



LED RGBW / 26W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3116**

LED RGBW / 26W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3117**

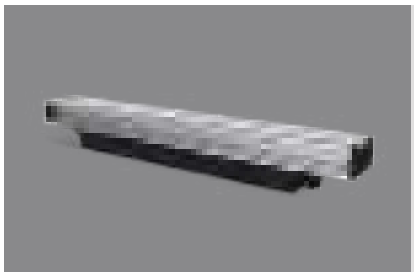
LED RGBW / 26W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3118**

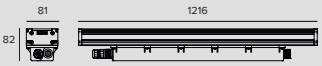
LED RGBW / 26W 4Ch / GRAZING

Driver	Colour	RGBW
EL. DMX		**1E3115**

JEDI



Projector RGBW
L. 1216mm



LED RGBW / 34W 4Ch / SPOT

Driver	Colour	RGBW
EL. DMX		**1E3120**

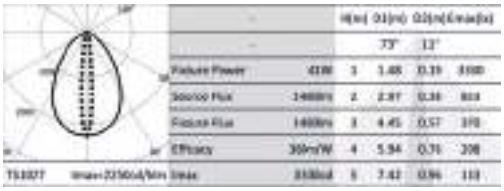
LED RGBW / 34W 4Ch / FLOOD

Driver	Colour	RGBW
EL. DMX		**1E3121**

LED RGBW / 34W 4Ch / WALL WASHER

Driver	Colour	RGBW
EL. DMX		**1E3122**

LED RGBW / 34W 4Ch / GRAZING



Driver	Colour	RGBW
EL. DMX		**1E3119**

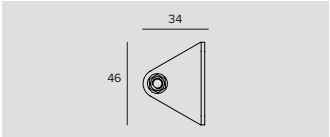
Note

Photometrics show the maximum emission values of fixtures.

JEDI

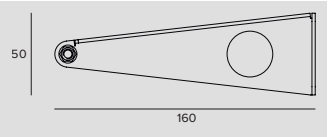
Related codes

Mounting System



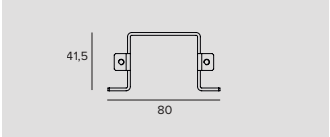
Code
1E2752

Short bracket for wall installation (2 pieces).



Code
1E2753

Long bracket for wall installation (2 pieces).



Code
1E2754

Bracket for ceiling installation (2 pieces).

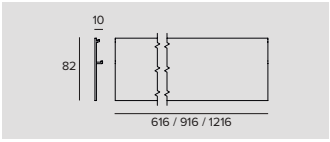
Accessories

End Caps

Code
1E2761

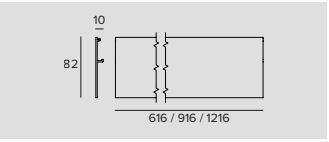
End cap.

Cover Panel



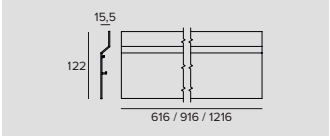
L	Code
616	**1E3045**
916	**1E3046**
1216	**1E3047**

Side cover for ceiling installation.



L	Code
616	**1E2755**
916	**1E2756**
1216	**1E2757**

Side cover for wall/cornice installation.



L	Code
616	**1E2758**
916	**1E2759**
1216	**1E2760**

Anti-glare side cover.

JEDI

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E3184

IP68 4-way cable connector (5 pole).

Control systems

	Code
	1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

Università LUMSA
Rome, Italy

Architect Giuseppe Manara & Partners
Photographer Ivan Rossi

Engineer Maurizio Russo, Mario Di Paola
Electrical Engineer SIEC Srl

JEDI

Compact IP67

GENERAL INFO
Adjustable linear projector.
Lengths (remote driver):
312.5mm – 593.5mm –
873.5mm – 1153.5mm
Lengths (integrated driver):
576mm – 856mm –
1136mm

LED
Linear boards
Da 1431lm a 7200lm
2700K – 3000K – 3500K
– 4000K
Ra80

PRODUCT EFFICACY
Up to 125lm/W

OPTICS
SP – FL – Grazing –
Wall Washer

With Louvre
FL - Grazing - Wall Washer

POWER SUPPLY
Electronic – DALI
Casambi control system
available as an accessory
(only for DALI versions).

MATERIAL
Extruded anodised
aluminium 15µ body. Extra
clear 5mm thick glass flat
screen.

ON DEMAND

Ra Ra90

110-277Vac
power supply

A compact, high performance linear LED fixture suitable for installation in small grooves or on particularly thin frames. Depending on the chosen optic it is suitable for general lighting in pedestrian areas, vaulted ceilings and vertical surfaces. Available also in a double version with an integrated or remote driver with an extremely thin profile of just 5x4 cm.

If equipped with special brackets the projector can be adjusted up to +/-90°.

The L. 300mm version is only available with a remote driver.

The versions with Flood, Grazing and Wall Washer optics can be ordered already equipped with an integrated Louvre grill.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

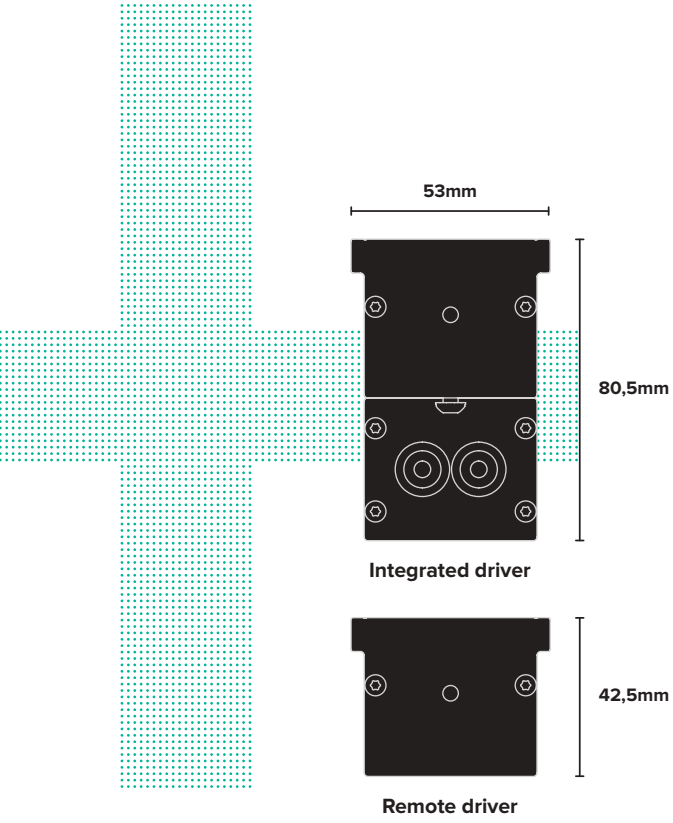
Also available recessed version.

Catedral de Valledupar
Valledupar, Colombia

Architect Gustavo Vasquez

Photographer Sebastian Franco

Plus

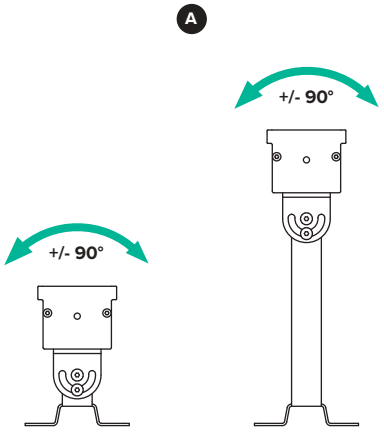


A Compact size and adjustability

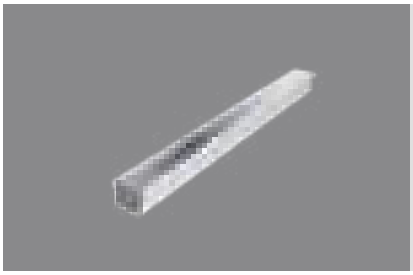
There are two profiles to choose from depending on the characteristics of the installation surface: with a remote driver where it is necessary to have a compact profile, or with an integrated driver when space permits and priority is given to connection speed. Furthermore, thanks to the special brackets that are available in two different lengths, the projector can be rotated from -90° to +90° with aim locking using an Allen key for maximum reliability in the installation phase.

B Anti-glare multiple effects

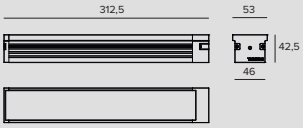
The two optical systems - hybrid and lenticular - make it possible to obtain four different luminous effects: grazing light with the grazing optic, soft and uniform light on high and wide surfaces with the wall washer optic and more concentrated effects with flood and spot optics.
The versions with Flood, Grazing and Wall Washer optics can be ordered already equipped with an integrated Louvre grill and longitudinal blades to control lateral emission and reduce the risk of glare.



JEDI COMPACT



IP67 Projector
Remote driver
L. 312,5mm



LED / 12W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3807**	**1E3808**	**1E3809**	**1E3810**

LED / 12W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3220**	**1E3221**	**1E3222**	**1E3223**

LED / 12W / GRAZING

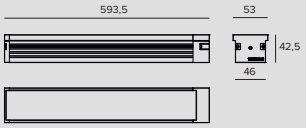
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3224**	**1E3225**	**1E3226**	**1E3227**

LED / 12W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3228**	**1E3229**	**1E3230**	**1E3231**

JEDI COMPACT

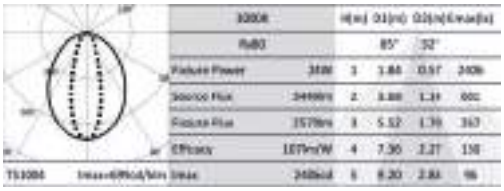
IP67 Projector
Remote driver
L. 593,5mm



LED / 23W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3811**	**1E3812**	**1E3813**	**1E3814**

LED / 24W / FLOOD



Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3232**	**1E3233**	**1E3234**	**1E3235**

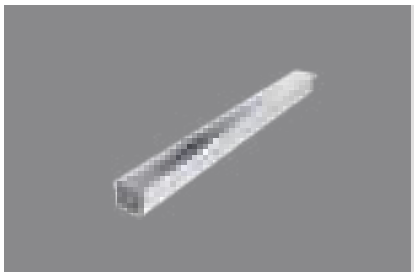
LED / 24W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3236**	**1E3237**	**1E3238**	**1E3239**

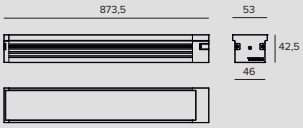
LED / 24W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3240**	**1E3241**	**1E3242**	**1E3243**

JEDI COMPACT



IP67 Projector
Remote driver
L. 873,5mm



LED / 35W / SPOT

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3815**	**1E3816**	**1E3817**	**1E3818**

LED / 36W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3244**	**1E3245**	**1E3246**	**1E3247**

LED / 36W / GRAZING

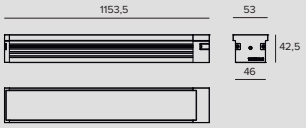
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3248**	**1E3249**	**1E3250**	**1E3251**

LED / 36W / WALL WASHER

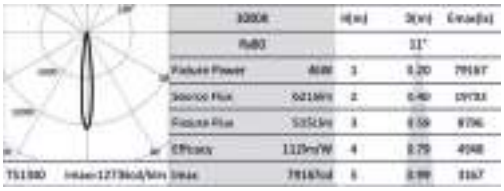
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3252**	**1E3253**	**1E3254**	**1E3255**

JEDI COMPACT

IP67 Projector
Remote driver
L. 1153,5mm

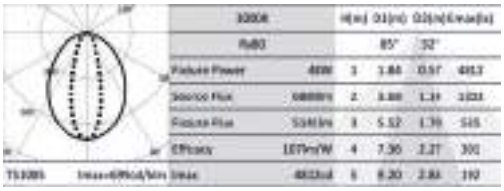


LED / 46W / SPOT



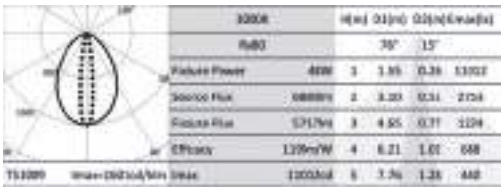
Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3819**	**1E3820**	**1E3821**	**1E3822**

LED / 48W / FLOOD



Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3256**	**1E3257**	**1E3258**	**1E3259**

LED / 48W / GRAZING

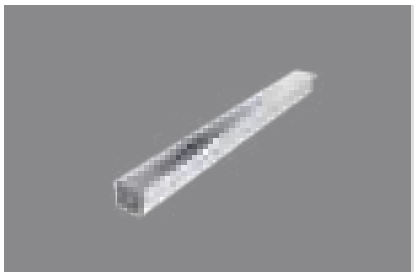


Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3260**	**1E3261**	**1E3262**	**1E3263**

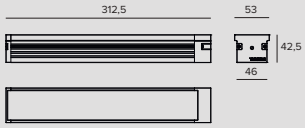
LED / 48W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3264**	**1E3265**	**1E3266**	**1E3267**

JEDI COMPACT



IP67 Projector Louvre
Remote driver
L. 312,5mm



LED / 12W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3307**	**1E3308**	**1E3309**	**1E3310**

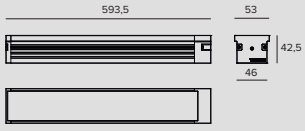
LED / 12W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3311**	**1E3312**	**1E3313**	**1E3314**

LED / 12W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3315**	**1E3316**	**1E3317**	**1E3318**

IP67 Projector Louvre
Remote driver
L. 593,5mm



LED / 24W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3319**	**1E3320**	**1E3321**	**1E3322**

JEDI COMPACT

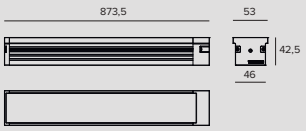
LED / 24W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3323**	**1E3324**	**1E3325**	**1E3326**

LED / 24W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3327**	**1E3328**	**1E3329**	**1E3330**

IP67 Projector Louvre
Remote driver
L. 873,5mm



LED / 36W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3331**	**1E3332**	**1E3333**	**1E3334**

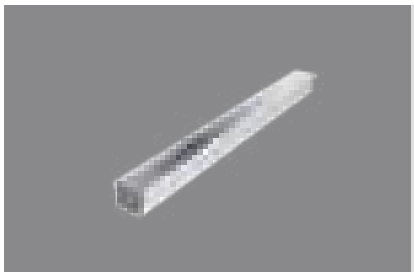
LED / 36W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3335**	**1E3336**	**1E3337**	**1E3338**

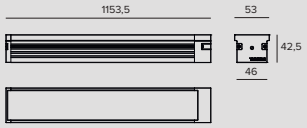
LED / 36W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3339**	**1E3340**	**1E3341**	**1E3342**

JEDI COMPACT



IP67 Projector Louvre
Remote driver
L. 1153,5mm



LED / 48W / FLOOD

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3343**	**1E3344**	**1E3345**	**1E3346**

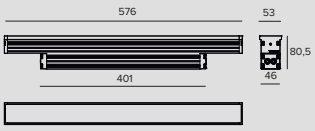
LED / 48W / GRAZING

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3347**	**1E3348**	**1E3349**	**1E3350**

LED / 48W / WALL WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
500mA		**1E3351**	**1E3352**	**1E3353**	**1E3354**

IP67 Projector
Integrated driver
L. 576mm



LED / 23W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3823EL**	**1E3824EL**	**1E3825EL**	**1E3826EL**
DALI		**1E3823DA**	**1E3824DA**	**1E3825DA**	**1E3826DA**

JEDI COMPACT

LED / 24W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3268EL**	**1E3269EL**	**1E3270EL**	**1E3271EL**
DALI		**1E3268DA**	**1E3269DA**	**1E3270DA**	**1E3271DA**

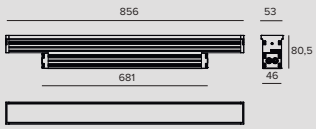
LED / 24W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3272EL**	**1E3273EL**	**1E3274EL**	**1E3275EL**
DALI		**1E3272DA**	**1E3273DA**	**1E3274DA**	**1E3275DA**

LED / 24W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3276EL**	**1E3277EL**	**1E3278EL**	**1E3279EL**
DALI		**1E3276DA**	**1E3277DA**	**1E3278DA**	**1E3279DA**

IP67 Projector
Integrated driver
L. 856mm



LED / 35W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3827EL**	**1E3828EL**	**1E3829EL**	**1E3830EL**
DALI		**1E3827DA**	**1E3828DA**	**1E3829DA**	**1E3830DA**

LED / 36W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3280EL**	**1E3281EL**	**1E3282EL**	**1E3283EL**
DALI		**1E3280DA**	**1E3281DA**	**1E3282DA**	**1E3283DA**

JEDI COMPACT

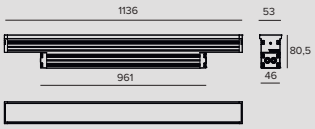
LED / 36W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3284EL**	**1E3285EL**	**1E3286EL**	**1E3287EL**
DALI		**1E3284DA**	**1E3285DA**	**1E3286DA**	**1E3287DA**

LED / 36W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3288EL**	**1E3289EL**	**1E3290EL**	**1E3291EL**
DALI		**1E3288DA**	**1E3289DA**	**1E3290DA**	**1E3291DA**

IP67 Projector
Integrated driver
L. 1136mm



LED / 46W / SPOT

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3831EL**	**1E3832EL**	**1E3833EL**	**1E3834EL**
DALI		**1E3831DA**	**1E3832DA**	**1E3833DA**	**1E3834DA**

LED / 48W / FLOOD

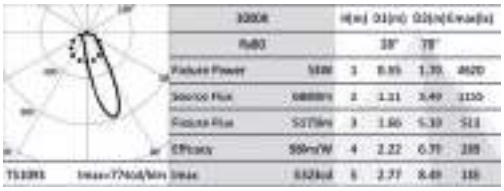
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3292EL**	**1E3293EL**	**1E3294EL**	**1E3295EL**
DALI		**1E3292DA**	**1E3293DA**	**1E3294DA**	**1E3295DA**

LED / 48W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3296EL**	**1E3297EL**	**1E3298EL**	**1E3299EL**
DALI		**1E3296DA**	**1E3297DA**	**1E3298DA**	**1E3299DA**

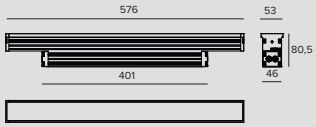
JEDI COMPACT

LED / 48W / WALL WASHER



Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3300EL**	**1E3301EL**	**1E3302EL**	**1E3303EL**
DALI		**1E3300DA**	**1E3301DA**	**1E3302DA**	**1E3303DA**

IP67 Projector Louvre
Integrated driver
L. 576mm



LED / 24W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3355EL**	**1E3356EL**	**1E3357EL**	**1E3358EL**
DALI		**1E3355DA**	**1E3356DA**	**1E3357DA**	**1E3358DA**

LED / 24W / GRAZING

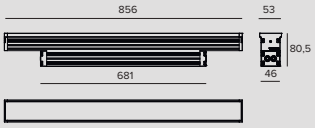
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3359EL**	**1E3360EL**	**1E3361EL**	**1E3362EL**
DALI		**1E3359DA**	**1E3360DA**	**1E3361DA**	**1E3362DA**

LED / 24W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3363EL**	**1E3364EL**	**1E3365EL**	**1E3366EL**
DALI		**1E3363DA**	**1E3364DA**	**1E3365DA**	**1E3366DA**

JEDI COMPACT

IP67 Projector Louvre
Integrated driver
L. 856mm



LED / 36W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3367EL**	**1E3368EL**	**1E3369EL**	**1E3370EL**
DALI		**1E3367DA**	**1E3368DA**	**1E3369DA**	**1E3370DA**

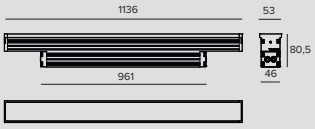
LED / 36W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3371EL**	**1E3372EL**	**1E3373EL**	**1E3374EL**
DALI		**1E3371DA**	**1E3372DA**	**1E3373DA**	**1E3374DA**

LED / 36W / WALL WASHER

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3375EL**	**1E3376EL**	**1E3377EL**	**1E3378EL**
DALI		**1E3375DA**	**1E3376DA**	**1E3377DA**	**1E3378DA**

IP67 Projector Louvre
Integrated driver
L. 1136mm



LED / 48W / FLOOD

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3379EL**	**1E3380EL**	**1E3381EL**	**1E3382EL**
DALI		**1E3379DA**	**1E3380DA**	**1E3381DA**	**1E3382DA**

JEDI COMPACT

LED / 48W / GRAZING

Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3383EL**	**1E3384EL**	**1E3385EL**	**1E3386EL**
DALI		**1E3383DA**	**1E3384DA**	**1E3385DA**	**1E3386DA**

LED / 48W / WALL WASHER

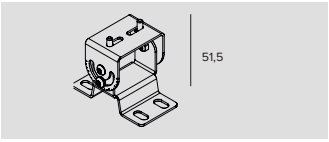
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3387EL**	**1E3388EL**	**1E3389EL**	**1E3390EL**
DALI		**1E3387DA**	**1E3388DA**	**1E3389DA**	**1E3390DA**

Note

Remote driver version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

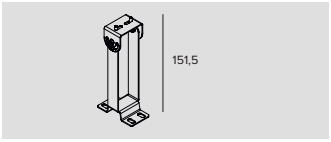
Related codes

Bracket



Code
1E3304

Stainless steel short bracket kit for surface installation (2 pieces).
Rotation +/-90°.



Code
1E3306

Stainless steel long bracket kit for surface installation (2 pieces).
Rotation +/-90°.

Power Supply

Code
1E3557

EL power supply version kit composed of an aluminium watertight box (LxHxP=270x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 3G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 312.5/344mm versions.

Code
1E3558

EL power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 3G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 593.5/625/873.5/905/1153.5/1185mm versions.

Code
1E3559

DALI power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 5G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 312.5/344/593.5/625mm versions.

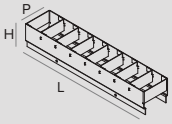
Code
1E3560

DALI power supply version kit composed of an aluminium watertight box (LxHxP=486x49,5x44mm) complete with power supply input cable (1 metre, type H07RN8-F, 5G1mm^2) and an output cable to the fixture (1 metre, type H07RN8-F, 3G1mm^2).
For the L 873.5/905/1153.5/1185mm versions.

JEDI COMPACT

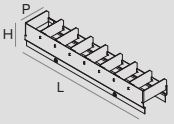
Accessories

Grid



L	H	P	Colour	Code
280	48	57	●	**1E3900**
560	48	57	●	**1E3901**
840	48	57	●	**1E3902**
1120	48	57	●	**1E3903**

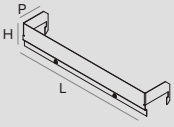
Symmetric grid in stainless steel, powder-painted.
External mounting respect to fixture.
To be used with SPOT, FLOOD and GRAZING optics.



L	H	P	Colour	Code
280	48	57	●	**1E3904**
560	48	57	●	**1E3905**
840	48	57	●	**1E3906**
1120	48	57	●	**1E3907**

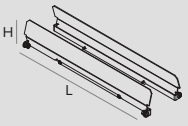
Asymmetric grid in stainless steel, powder-painted.
External mounting respect to fixture.

Ray Shade



L	H	P	Colour	Code
290	48	59	●	**1E3908**
570	48	59	●	**1E3909**
850	48	59	●	**1E3910**
1130	48	59	●	**1E3911**

Hood in stainless steel, powder-painted.
External mounting respect to fixture.



L	H	Colour	Code
296	54	●	**1E3912**
576	54	●	**1E3913**
856	54	●	**1E3914**
1136	54	●	**1E3915**

Adjustable hood in stainless steel, powder-painted.
External mounting respect to fixture.

Tool

Code
1E3305

(Tightening) wrench for the connector kit.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

JEDI COMPACT

	Code
	1E3184
IP68 4-way cable connector (5 pole).	

Control systems

	Code
	1E3048
A IP67 Module for individual control of external devices equipped with DALI drivers. The module needs to be positioned in order to receive radio signals. The distance to the lighting fixtures can reach up to 50m. Wireless control via the Casambi application. LxHxP=56.5x22.3x35.8mm.	

	Code
	1E3049
IP67 Extender for wireless control of DALI fixtures. It generates a local DALI bus with the capacity to drive up to 64 fixtures. Can control DALI fixtures in outdoor applications via the Casambi application. LxHxP=150x40x148mm.	

Capilla Las Marias
Villavicencio, Colombia

Engineering Schallertech
Architectural Design
Monica Franco - MF Arquitectos

Lighting Design Luis Miguel Aristizabal - SchallerTech
Photographer CVAUDIOVISUALES

DART

GENERAL INFO
Professional adjustable projector
76x76 - 134x134 - 214x214

LED
Chip on board
Emitter for versions NSP Small e Medium
From 200lm to 8864lm
3000K – 4000K
Ra80
High efficiency RGBW LED multichip
From 114lm to 1364lm

PRODUCT EFFICACY
Up to 129lm/W

OPTICS
NSP – SP – FL – MWFL for all versions.
WFL – ASYM for versions Medium e Maxi
NARROW ASYM for versions Medium

POWER SUPPLY
Electronic – DALI – 1-10V
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Painted die-cast anodised aluminium body and painted stainless steel mounting bracket.

ON DEMAND

Easy Custom Colour

110-277Vac power supply

Cataphoresis treatment

A range of professional al projectors for outdoor architectural lighting, available in three different sizes-Small, Medium and Maxi; it has a compact and essential design that integrates into every architectural context.

Dart is extremely versatile thanks to the possibility to choose from different versions with different lumens and optics for accent lighting or uniform lighting of large surfaces. Also available with an asymmetrical optic. Dart Medium is also available in RGBW version.
On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

		SMALL	MEDIUM	MEDIUM RGBW	MAXI
		76x76mm	134x134mm	134x134mm	214x214mm
LED	Flux (lm)	200-2164	1332-5082	114-1364	3546-8864
	Power	3W-15W	16W-33W	31W	25W-63W
OPTICS					
NSP	Lens	•	•		
	Indirect				•
SP	Lens	•			
	Hybrid		•		•
	Reflector			•	
FL	Lens	•			
	Hybrid		•		•
	Reflector			•	
MWFL	Reflector	•	•	•	•
WFL	Reflector		•		•
ASYM	Reflector		•		•
NASYM	Reflector		•		

Abbaye de Maubuisson
Saint-Ouen l'Aumone, France

Architect YCA Yves Chemineau Architecte
Photographer Bruno Singer

Architect for the heritage
Valari Architecte Aristide Bravaccio

Plus

The large version in the Dart range

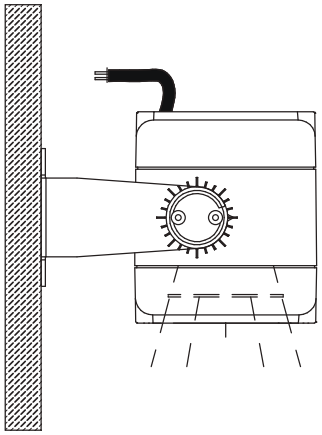
Is designed for architectural lighting of large surfaces and where it is essential to install fixtures at a distance.
Dart MAXI has the NSP optic to have clean, precise 8° beams. It works by reflection which means the lamp is hidden from sight and aimed towards the parabolic reflector which collimates the beam and emits a particularly defined, precise cone of light.

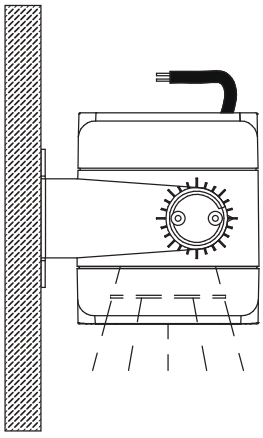
Dart medium is available with two asymmetrical optics

A more open version on the horizontal axis that makes it possible to widen the pitch between fixtures and a new version defined as Narrow Asymmetric that is more comfortable and controlled.

The MINI version is available with a remote power
Supply for installation in extremely confined spaces and with an integrated driver to simplify installation and accommodate cables on building facades.

Off-centre rotation to zoom
The body of the fixture towards and away from the support surface. Fitted with a graduated scale for precise aiming.



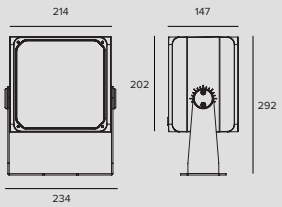


Ponte di Rialto
Venice, Italy

Photographer Ivan Rossi

DART

Maxi



LED / 25W / INDIRECT / NSP

Driver	Colour	3000K	4000K
EL.		**1E3942EL**	**1E3943EL**
1-10V		**1E3942D**	**1E3943D**
DALI		**1E3942DA**	**1E3943DA**

LED / 33W / INDIRECT / NSP

Driver	Colour	3000K	4000K
EL.		**1E3944EL**	**1E3945EL**
1-10V		**1E3944D**	**1E3945D**
DALI		**1E3944DA**	**1E3945DA**

LED / 50W / HYBRID / SP

Driver	Colour	3000K	4000K
EL.		**1E3946EL**	**1E3947EL**
1-10V		**1E3946D**	**1E3947D**
DALI		**1E3946DA**	**1E3947DA**

LED / 50W / HYBRID / FL

Driver	Colour	3000K	4000K
EL.		**1E3948EL**	**1E3949EL**
1-10V		**1E3948D**	**1E3949D**
DALI		**1E3948DA**	**1E3949DA**

LED / 50W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.		**1E3950EL**	**1E3951EL**
1-10V		**1E3950D**	**1E3951D**
DALI		**1E3950DA**	**1E3951DA**

DART

LED / 50W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
EL.	●	**1E3952EL**	**1E3953EL**
1-10V	●	**1E3952D**	**1E3953D**
DALI	●	**1E3952DA**	**1E3953DA**

LED / 50W / ASYM

Driver	Colour	3000K	4000K
EL.	●	**1E3954EL**	**1E3955EL**
1-10V	●	**1E3954D**	**1E3955D**
DALI	●	**1E3954DA**	**1E3955DA**

LED / 63W / HYBRID / SP

Driver	Colour	3000K	4000K
EL.	●	**1E3956EL**	**1E3957EL**
1-10V	●	**1E3956D**	**1E3957D**
DALI	●	**1E3956DA**	**1E3957DA**

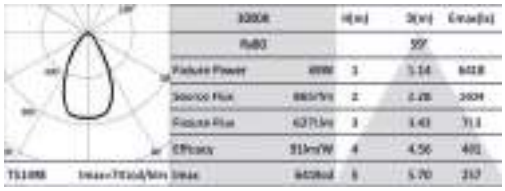
LED / 63W / HYBRID / FL

Driver	Colour	3000K	4000K
EL.	●	**1E3958EL**	**1E3959EL**
1-10V	●	**1E3958D**	**1E3959D**
DALI	●	**1E3958DA**	**1E3959DA**

LED / 63W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.	●	**1E3960EL**	**1E3961EL**
1-10V	●	**1E3960D**	**1E3961D**
DALI	●	**1E3960DA**	**1E3961DA**

LED / 63W / REFLECTOR / WFL



Driver	Colour	3000K	4000K
EL.	●	**1E3962EL**	**1E3963EL**
1-10V	●	**1E3962D**	**1E3963D**
DALI	●	**1E3962DA**	**1E3963DA**

DART

LED / 63W / ASYM

Driver	Colour	3000K	4000K
EL.		**1E3964EL**	**1E3965EL**
1-10V		**1E3964D**	**1E3965D**
DALI		**1E3964DA**	**1E3965DA**

Note

1 (1E2769) connector necessary for electronic and DALI versions. 2 (1E2769) connectors necessary for the 1-10V version.

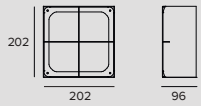
Accessories

Filter

Code
1E3094

Blade of light filter.
PMMA holographic filter for a blade of light effect.
To be completed with a dedicated holder ring.
Diameter 168mm.

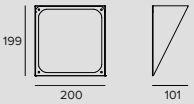
Grid



Code
1E3096

Anti-glare louver.
The central elements may be removed to obtain two different levels of glare control.
Powder coated stainless steel.
Ferrite/matte black.

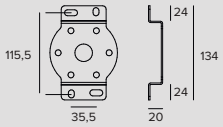
Screen



Code
1E3095

Asymmetric screen.
Powder coated stainless steel.
Ferrite.

Mounting System



Code
1E3026

Plate for fixture rotation.
Powder coated stainless steel.
Ferrite.

Dimensions ØxH	Colour	Code
96x182		**1E3028**
150x352		**1E3188**

Earthspike.
Powder coated stainless steel.

DART

Code

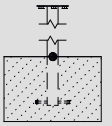
1E2825

Pole bracket.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).

Code

1E3097

Pole multiple mounting system.
Powder coated stainless steel.
To be completed with 1E2825.
Max 4 projectors.

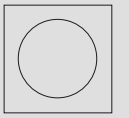


Code

1E3187

Pole with base.
Powder coated stainless steel.

Holder Ring



Code

1E3093

Holder ring.
Powder coated stainless steel.
AxB 195x195mm.

Tool

Code

1E3098

Laser pointing system.
Installed by friction on the projector's body.
Powder coated stainless steel.
Laser included.

Connector

Code

1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code

1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code

1E3048

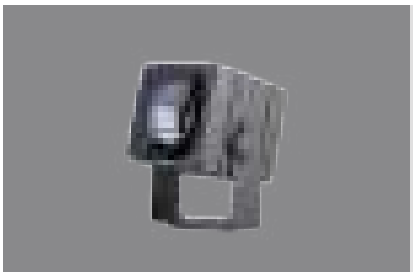
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code

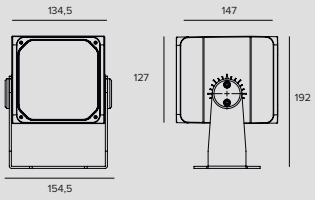
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

DART



Medium



LED / 16W / LENS / NSP

Driver	Colour	3000K	4000K
EL.		**1E3928EL**	**1E3929EL**
1-10V		**1E3928D**	**1E3929D**
DALI		**1E3928DA**	**1E3929DA**

LED / 33W / HYBRID / SP

Driver	Colour	3000K	4000K
EL.		**1E3930EL**	**1E3931EL**
1-10V		**1E3930D**	**1E3931D**
DALI		**1E3930DA**	**1E3931DA**

LED / 33W / HYBRID / FL

Driver	Colour	3000K	4000K
EL.		**1E3932EL**	**1E3933EL**
1-10V		**1E3932D**	**1E3933D**
DALI		**1E3932DA**	**1E3933DA**

LED / 31W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.		**1E3934EL**	**1E3935EL**
1-10V		**1E3934D**	**1E3935D**
DALI		**1E3934DA**	**1E3935DA**

LED / 31W / REFLECTOR / WFL

Driver	Colour	3000K	4000K
EL.		**1E3936EL**	**1E3937EL**
1-10V		**1E3936D**	**1E3937D**
DALI		**1E3936DA**	**1E3937DA**

DART

LED / 31W / ASYM

Driver	Colour	3000K	4000K
EL.		**1E3938EL**	**1E3939EL**
1-10V		**1E3938D**	**1E3939D**
DALI		**1E3938DA**	**1E3939DA**

LED / 31W / NARROW ASYM

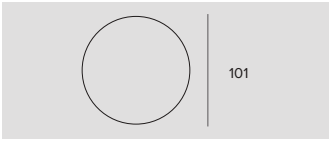
Driver	Colour	3000K	4000K
EL.		**1E3940EL**	**1E3941EL**
1-10V		**1E3940D**	**1E3941D**
DALI		**1E3940DA**	**1E3941DA**

Note

1 (1E2769) connector necessary for electronic and DALI versions. 2 (1E2769) connectors necessary for the 1-10V version.

Accessories

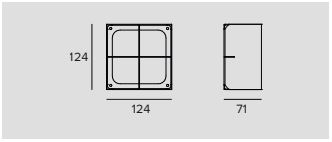
Filter



Code
1E3023

Blade of light filter.
PMMA holographic filter for a blade of light effect.
To be completed with a dedicated holder ring.
Diameter 101mm.

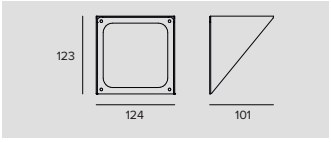
Grid



Code
1E3025

Anti-glare louver.
The central elements may be removed to obtain two different levels of glare control.
Powder coated stainless steel.
Ferrite/matte black.

Screen

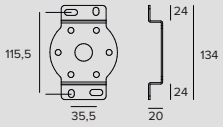


Code
1E3024

Asymmetric screen.
Powder coated stainless steel.
Ferrite.

DART

Mounting System



Code
1E3026

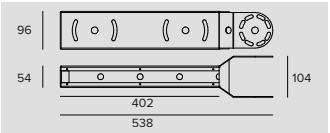
Plate for fixture rotation.
Powder coated stainless steel.
Ferrite.

Dimensions ØxH	Colour	Code
96x182		**1E3028**

Earthspike.
Powder coated stainless steel.

Code
1E2825

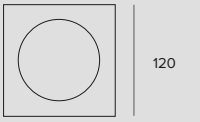
Pole bracket.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).



Code
1E3027

Pole multiple mounting system.
Powder coated stainless steel.
To be completed with 1E2825.
Max 4 projectors.

Holder Ring



Code
1E3022

Holder ring.
Powder coated stainless steel.
AxB 120x120mm.

Tool

Code
1E3029

Laser pointing system.
Installed by friction on the projector's body.
Powder coated stainless steel.
Laser included.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

DART

Control systems

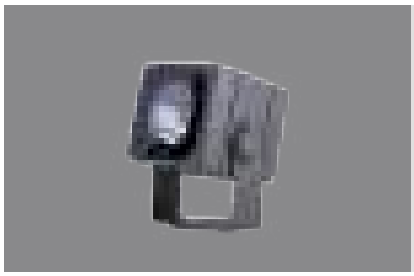
	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

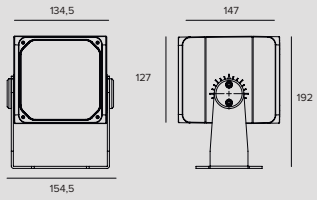
	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

DART



Medium RGBW



LED RGBW / 31W / REFLECTOR / SP

Power supply	Colour	RGBW
450mA		**1E3864**

LED RGBW / 31W / REFLECTOR / FL

Power supply	Colour	RGBW
450mA		**1E3865**

LED RGBW / 31W / REFLECTOR / MWFL

Power supply	Colour	RGBW
450mA		**1E3866**

LED RGBW / 31W / REFLECTOR / WFL

Power supply	Colour	RGBW
450mA		**1E3882**

Note

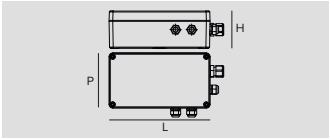
Photometrics show the maximum emission values of fixtures.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

DART

Related codes

Power Supply

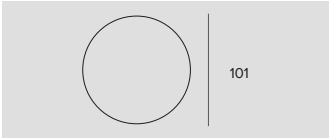


Code
1E3883

DMX 4 channel driver.
LxHxP=220x80x120mm, IP66, 120-277Vac.

Accessories

Filter

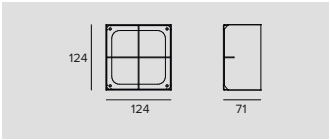


Code
1E3023

Blade of light filter.
PMMA holographic filter for a blade of light effect.
To be completed with a dedicated holder ring.
Diameter 101mm.

Accessories

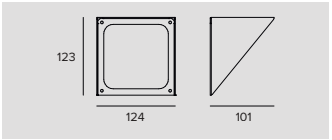
Grid



Code
1E3025

Anti-glare louver.
The central elements may be removed to obtain two different levels of glare control.
Powder coated stainless steel.
Ferrite/matte black.

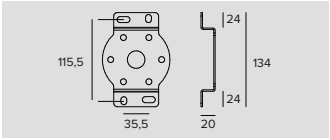
Screen



Code
1E3024

Asymmetric screen.
Powder coated stainless steel.
Ferrite.

Mounting System

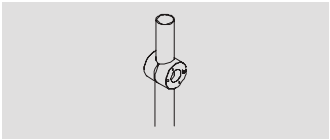


Code
1E3026

Plate for fixture rotation.
Powder coated stainless steel.
Ferrite.

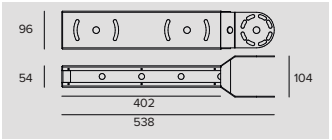
	Dimensions ØxH	Colour	Code
	96x182		**1E3028**
	150x352		**1E3188**

Earthspike.
Powder coated stainless steel.



Code
1E2825

Pole bracket.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).

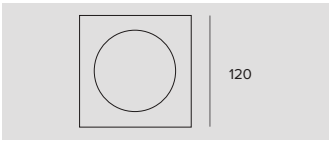


Code
1E3027

Pole multiple mounting system.
Powder coated stainless steel.
To be completed with 1E2825.
Max 4 projectors.

DART

Holder Ring



Code
1E3022

Holder ring.
Powder coated stainless steel.
AxB 120x120mm.

Tool

Code
1E3029

Laser pointing system.
Installed by friction on the projector's body.
Powder coated stainless steel.
Laser included.

Connector

Code
1E2493

Linear connection box IP68.
4 poles max. wire section 2.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code
1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the "RDM Targetti" software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

Code
1T1898

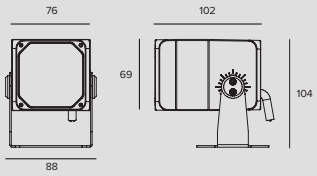
my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

Code
1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

DART

Small Integrated driver



LED / 2,7W / LENS / NSP

Driver	Colour	3000K	4000K
EL.		**1E3056EL**	**1E3057EL**

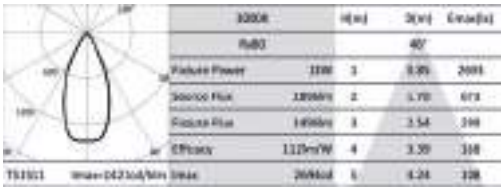
LED / 13W / LENS / SP

Driver	Colour	3000K	4000K
EL.		**1E3922EL**	**1E3923EL**

LED / 12W / LENS / FL

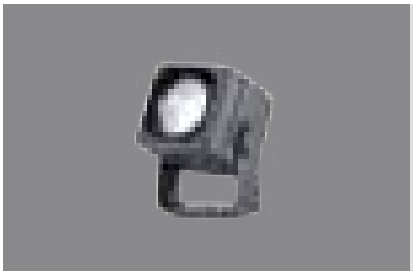
Driver	Colour	3000K	4000K
EL.		**1E3924EL**	**1E3925EL**

LED / 12W / REFLECTOR / MWFL

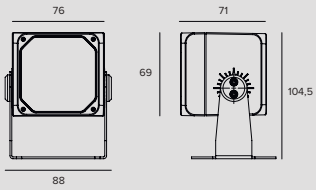


Driver	Colour	3000K	4000K
EL.		**1E3926EL**	**1E3927EL**

DART



Small Remote driver



LED / 2,7W / LENS / NSP

	Power supply	Colour	3000K	4000K
	900mA		**1E2986**	**1E2987**

LED / 15W / LENS / SP

	Power supply	Colour	3000K	4000K
	400mA		**1E3916**	**1E3917**

LED / 14W / LENS / FL

	Power supply	Colour	3000K	4000K
	400mA		**1E3918**	**1E3919**

LED / 14W / REFLECTOR / MWFL

	Power supply	Colour	3000K	4000K
	400mA		**1E3920**	**1E3921**

Note

Remote driver version: to be completed with an electronic or DALI driver.

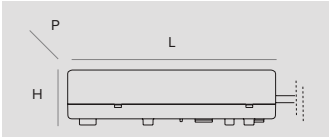
1 (1E2769) connector necessary for electronic versions.

Remote driver version: values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

DART

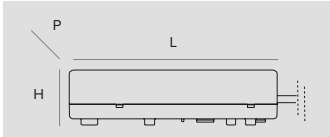
Related codes

Power Supply



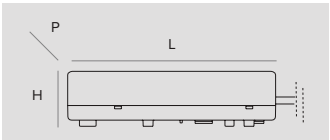
Dimensions LxHxP	W	Power supply	Output current	IP	Code
146x22x43	18W	220-240Vac	400mA	IP20	**1T4215EL**
110x22x52	20W 15W	220-240Vac 110-127Vac	900mA	IP20	**1T5295EL**
115x26x53	20W 15W	220-240Vac 110-127Vac	400mA	IP68	**1E3033EL**
150x40x148	20W 15W	220-240Vac 110-127Vac	900mA	IP68	**1E3034EL**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output current	IP	Code
111x22x52	20W 15W	220-240Vac 110-127Vac	400mA	IP20	**1T4215D**
111x22x52	20W 15W	220-240Vac 110-127Vac	900mA	IP20	**1T5295D**
135x31x80	20W	110-240Vac	400mA	IP68	**1E3033D**
220x80x120	20W 15W	220-240Vac 110-127Vac	900mA	IP68	**1E3034D**

1-10V power supply.

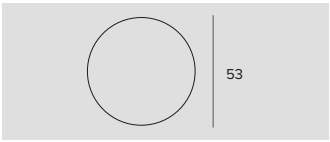


Dimensions LxHxP	W	Power supply	Output current	IP	Code
146x30x44	20W	220-240Vac	400mA	IP20	**1T4215DA**
150x28x42	20W	220-240Vac	900mA	IP20	**1T5295DA**
115x26x53	20W 15W	220-240Vac 110-127Vac	400mA	IP68	**1E3033DA**
220x80x120	20W	220-240Vac	900mA	IP68	**1E3034DA**

DALI power supply.

Accessories

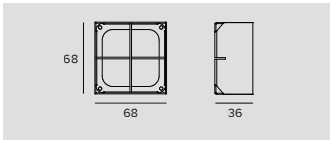
Filter



Ø	Code
53	**1E3012**

Blade of light filter.
PMMA holographic filter for a blade of light effect.
To be completed with a dedicated holder ring.

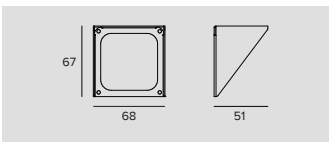
Grid



Code
1E3014

Anti-glare louver.
The central elements may be removed to obtain two different levels of glare control.
Powder coated stainless steel.
Ferrite/matte black.

Screen

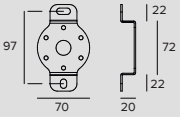


Code
1E3013

Asymmetric screen.
Powder coated stainless steel.
Ferrite.

DART

Mounting System



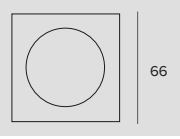
Code
1E3015

Plate for fixture rotation.
Powder coated stainless steel.
Ferrite.

Dimensions ØxH	Colour	Code
70x182		**1E3016**

Earthspike.
Powder coated stainless steel.

Holder Ring



L	Code
66	**1E3011**

Holder ring.
Powder coated stainless steel.

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Control systems

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

Zeisehof
Hamburg, Deutschland

Architect Störmer Murphy & Partners
Photographer Carsten Brügmann

Lighting Design Peter Andres

PYROS

GENERAL INFO
Professional projector.
Pyros
ø186mm
Nano Pyros
ø107mm
Pico Pyros
ø50mm

LED
Chip on board
LED Emitter for version
Pico Pyros e RGBW
From 216lm to 6976lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 110lm/W

OPTICS
SP – FL – MWFL

POWER SUPPLY
Electronic

MATERIAL
Painted die-cast anodised aluminium body, brackets and joints.

ON DEMAND

Easy Custom Colour

110-277Vac power supply (Pyros Pyros RGBW Nano Pyros)

Cataphoresis treatment

A range that was designed for lighting building facades, accentuating trees and green elements and in all those contexts where precision must be combined with excellent performance.

The larger version is high performance making it suitable for lighting from long distances and large architectural structures. Where on the other hand it is required to light details the Nano and Pico versions provide optical solutions and different powers. Pyros shows the extent of its flexibility with its installation system that makes it possible to extend or contract it depending on requirements.

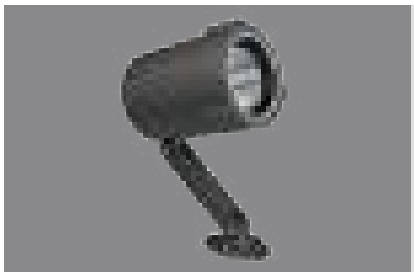
The Pyros and Nano Pyros versions are also available in RGBW and RGB versions.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

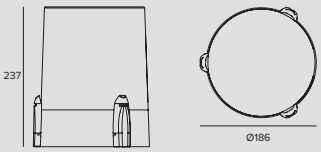
The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

Piazza Gae Aulenti
Milano, Italia

PYROS



L. 237mm



LED / 25W / SP

Driver	Colour	3000K	4000K
EL.		**1E2779**	**1E2780**

LED / 25W / FL

Driver	Colour	3000K	4000K
EL.		**1E2781**	**1E2782**

LED / 39W / SP

Driver	Colour	3000K	4000K
EL.		**1E2783**	**1E2784**

LED / 39W / FL

Driver	Colour	3000K	4000K
EL.		**1E2785**	**1E2786**

LED / 50W / SP

Driver	Colour	3000K	4000K
EL.		**1E2978**	**1E2979**

PYROS

LED / 50W / FL

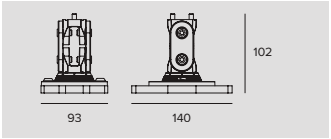
	Driver	Colour	3000K	4000K
	EL.		**1E2980**	**1E2981**

Note

All projector bodies must be completed with dedicated mounting brackets equipped with graduated metal rings on the bracket allowing 360° rotation on the horizontal axis and 180° on the vertical axis. Mechanical locking system to ensure aiming stability.

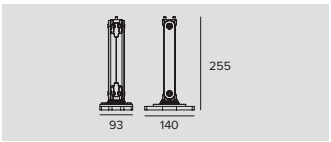
Related codes

Mounting System



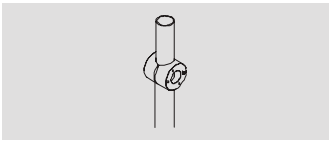
Kg	Colour	Code
0.6		**1E2806**

Die-cast aluminium bracket with double joint to allow 180° rotation on the vertical plane.
Graduated metal ring located at the base of the bracket to allow 360° rotation on the horizontal plane. Mechanical locking system to ensure aiming stability.
Short version.



Kg	Colour	Code
1.3		**1E2807**

Die-cast aluminium bracket with double joint to allow 180° rotation on the vertical plane.
Graduated metal ring located at the base of the bracket to allow 360° rotation on the horizontal plane. Mechanical locking system to ensure aiming stability.
Complete with a connection joint.
Long version.



Code
1E2825

Pole bracket.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).

Code
1E2826

Pole head for pole with external diameter 60mm (+/-2mm) and internal diameter > 40mm.

Accessories

Filter

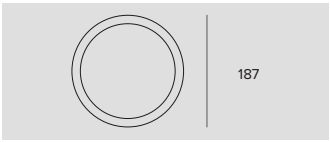
Ø	Code
187	**1E2821**

"Blade of light" effect refractive filter.
The special linear incisions modify the light beam, enlarging it in a perpendicular direction to the incisions.
With very narrow beams it is possible to obtain precise "blades" of light for special effects.
Complete with ring.

Ø	Code
187	**1E2822**

"Soft beam" effect refractive filter.
The special linear incisions reduce the variance between the primary and secondary light beam, making it more uniform.
Complete with ring.

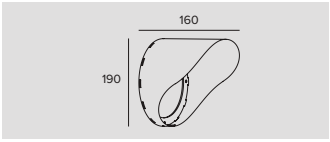
PYROS



Ø	Code
187	**1E2820**

Frosted glass. Complete with ring.

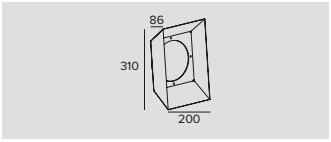
Screen



Code
1E2823

Adjustable stainless steel asymmetric screen with 8 positions and 2 mounting screws. Permits the shielding of the light beam with wide beam optics.

Ray Shade



Code
1E2824

Stainless steel barn door with fixed flaps, adjustable to 4 positions with 2 mounting screws.

Connector

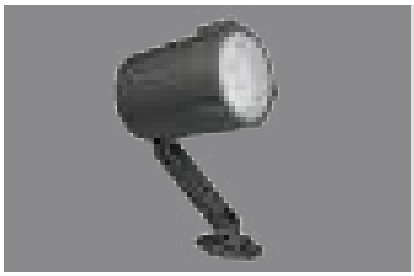
Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

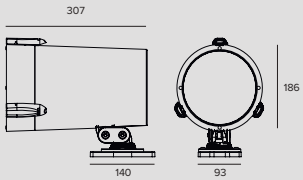
Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

PYROS



RGBW
Short arm

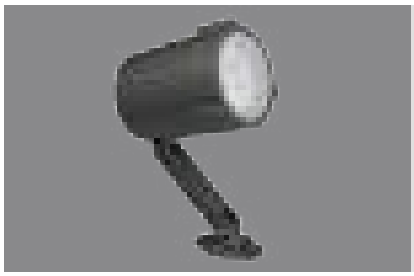


LED RGBW / 35W / SP

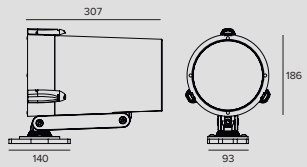
Driver	Colour	RGBW
EL. DMX		**1E3124**

LED RGBW / 35W / FL

Driver	Colour	RGBW
EL. DMX		**1E3173**



RGBW
Long arm



LED RGBW / 35W / SP

Driver	Colour	RGBW
EL. DMX		**1E3125**

LED RGBW / 35W / FL

Driver	Colour	RGBW
EL. DMX		**1E3174**

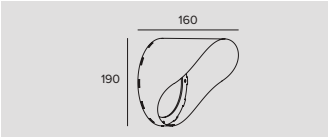
Note

Photometrics show the maximum emission values of fixtures.

PYROS

Accessories

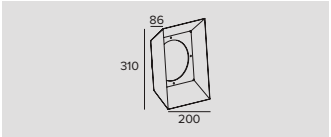
Screen



Code
1E2823

Adjustable stainless steel asymmetric screen with 8 positions and 2 mounting screws. Permits the shielding of the light beam with wide beam optics.

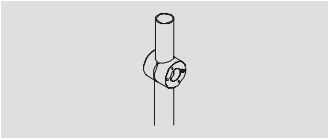
Ray Shade



Code
1E2824

Stainless steel barn door with fixed flaps, adjustable to 4 positions with 2 mounting screws.

Mounting System



Code
1E2825

Pole bracket.
Anodised and powder coated aluminium.
Pole Ø 60mm (+/-2mm).

Code
1E2826

Pole head for pole with external diameter 60mm (+/-2mm) and internal diameter > 40mm.

Control systems

Code
1E2767

USB-RDM Programmer code.
DMX-RDM (Remote Device Management) address planner.
Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.
To be used with all RGBW products.
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.
Please refer to the instructions for more details.

Code
1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

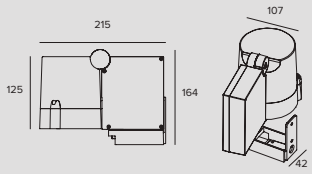
PYROS

	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

PYROS

NANO PYROS



LED / 21W / HYBRID / SP

Driver	Colour	3000K	4000K
EL.		**1E2827**	**1E2828**

LED / 21W / HYBRID / FL

Driver	Colour	3000K	4000K
EL.		**1E2829**	**1E2830**

LED / 21W / REFLECTOR / MWFL

Driver	Colour	3000K	4000K
EL.		**1E2831**	**1E2832**

Accessories

Filter

Kg	Ø	Code
0.2	107	**1E2853**

"Blade of light" effect refractive filter.
The special linear incisions modify the light beam, enlarging it in a perpendicular direction to the incisions.
With very narrow beams it is possible to obtain precise "blades" of light.
Complete with ring.

Kg	Ø	Code
0.2	107	**1E2854**

"Soft beam" effect refractive filter.
The special linear incisions reduce the variance between the primary and secondary light beam, making it more uniform.
Complete with ring.

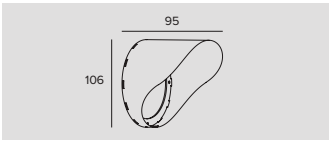
PYROS

Grid

	Code
	1E2766

Anti-glare louver.
Black painted metal honeycomb structure.
Designed to be housed inside the fixture.

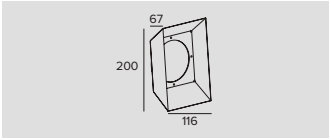
Screen



	Code
	1E2855

Adjustable stainless steel asymmetric screen with 8 positions and 2 mounting screws.
Permits the shielding of the light beam with wide beam optics.
0.7Kg.

Ray Shade



	Code
	1E2856

Stainless steel barn door with fixed flaps, adjustable to 4 positions with 2 mounting screws.
0.4Kg.

Mounting System

	Kg	L	Code
	0.5	200	**1E2845**
	1.8	800	**1E2846**

Earthspike.

	Kg	L	Code
	0.7	232	**1E2847**
	2	832	**1E2848**

Spike with base for surface installation.
1E2847 - Short peg with base for surface mounting.
1E2848 - Long peg with base for surface mounting.

Connector

	Code
	1E2769

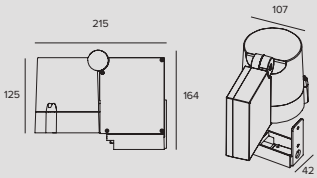
Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

PYROS

NANO PYROS RGB



LED RGB / 20W / SP

Driver	Colour	RGB
EL. DMX		**1E2833**

LED RGB / 20W / FL

Driver	Colour	RGB
EL. DMX		**1E2834**

Note

Photometrics show the maximum emission values of fixtures.

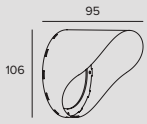
Accessories

Grid

Code
1E2766

Anti-glare louver.
Black painted metal honeycomb structure.
Designed to be housed inside the fixture.

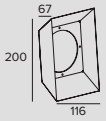
Screen



Code
1E2855

Adjustable stainless steel asymmetric screen with 8 positions and 2 mounting screws.
Permits the shielding of the light beam with wide beam optics.
0.7Kg.

Ray Shade



Code
1E2856

Stainless steel barn door with fixed flaps, adjustable to 4 positions with 2 mounting screws.
0.4Kg.

PYROS

Mounting System

	Kg	L	Code
	0.5	200	**1E2845**
	1.8	800	**1E2846**

Earthspike.

	Kg	L	Code
	0.7	232	**1E2847**
	2	832	**1E2848**

Spike with base for surface installation.
1E2847 - Short peg with base for surface mounting.
1E2848 - Long peg with base for surface mounting.

Cable

	Code
	1T1932

Standard DMX cable (1 twisted pair + shield, 120 Ohm).

Control systems

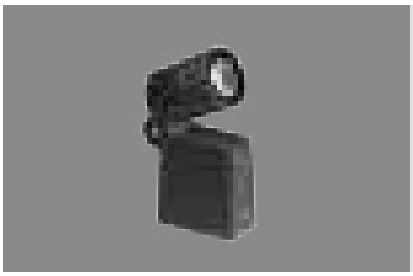
	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

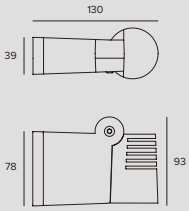
	Code
	1T6499

myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

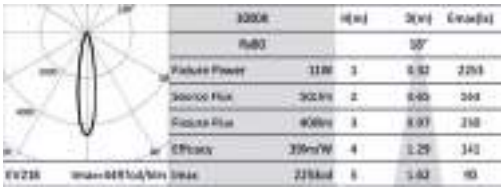
PYROS



PICO PYROS

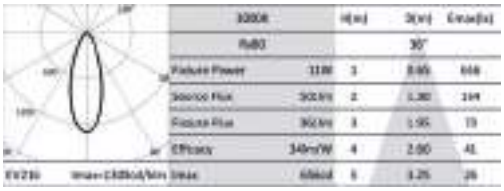


LED / 8W / SP



	Driver	Colour	3000K	4000K
	EL.		**1E2857**	**1E2859**

LED / 8W / FL



	Driver	Colour	3000K	4000K
	EL.		**1E2858**	**1E2860**

Accessories

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm².
Cable diameter range from 6 to 12mm.

Université Catholique Lyon
Lyon, France

Photographer Jerome Ricolleau

JUPITER

GENERAL INFO
Jupiter Mini
Ultra compact adjustable projector
Ø38mm
Jupiter Pro
Professional adjustable LED projector
Ø40mm - Ø50mm

LED
Jupiter Mini
Chip on board
From 170lm to 182lm
3000K – 4000K
Ra 90
Jupiter Pro
Jupiter Pro
LED Emitter
From 479lm to 1228lm
2700K – 3000K – 3500K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 77lm/W

OPTICS
Jupiter Mini
SP – FL – WFL
Jupiter Pro
NSP (fixed optic)
SP15 - SP24 - FL - MWFL (multi-optic)

POWER SUPPLY
Jupiter Mini
24V
Jupiter Pro
24V
Casambi control system available using a dedicated accessory (only with DALI dimmer).

MATERIAL
Jupiter Mini
Anodised polished aluminium body. Aluminium front ring. Bevelled extra-clear front glass. Stainless steel bracket fixed to the body for adjustability.
Jupiter Pro
Frame and joint in aluminium with CNC machining, anodised and painted.

ON DEMAND
110-277Vac power supply (Jupiter)

Range of professional projectors. Ultra-compact and adjustable Jupiter projectors are equipped with a lenticular type optical system for precise and defined beams. Made completely of ferrite painted anodised aluminium they are characterised by an aluminium bracket which allows them to be adjusted on the both the vertical and horizontal planes.

Jupiter Pro projectors, available in two different sizes ø40mm and ø50mm, are equipped with a joint that allows them to be adjusted by ±360°on the horizontal plane and 180°on the vertical plane. The multi-optic system of Jupiter Pro projectors makes it possible to vary the width of the beam opening easily – from SP15 to SP24, FL, MWFL – according to needs, without affecting the IP protection rating of the fixtures.

The 24V power supply of Jupiter Mini and Jupiter Pro means that it can even be used in humid environments like SPAs or near swimming pools. The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture. The Jupiter range is available in a recessed version.

Toyekunov Family Palace
Moscow, Russia

Lighting designer Tatyana Shkolnikova **Photographer** Ilya Kouzov

Jupiter Mini

Jupiter Mini is the most simple and compact version in the family, with a fixed, lenticular-type optic system for precise and defined beams.
It is entirely made of anodized aluminium painted ferrite complete with a steel bracket that allows it to be adjusted in respect to both the vertical and horizontal plane.

Jupiter Pro

Jupiter Pro is the most professional projector of the Jupiter range and is available in two different diameters Ø40 and Ø50 with fixed or multiple optics.

Now available with Ra90 LED.

Varied and flexible installation

Jupiter Pro is equipped with a universal mounting system and can be installed using any support equipped with a G ½ shank hole (Ø22mm). In the Targetti collection there are two different installation systems available as accessories: a spike for in-ground installation and a plate for wall or inground installation.

Plus

Maximum flexibility

The joint Jupiter Pro is equipped with makes it possible to adjust the projector ±360° on the horizontal plane and 180° on the vertical plane.

Three elements in a single projector

Jupiter Pro is made up of three elements:

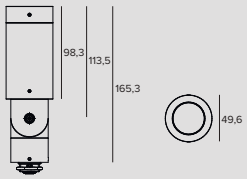
- the base that can be attached to the floor or wall and then completed with the actual projector body;
- The central body, which is the heart of the system and physically isolated from the other elements with resin coating;
- The optical compartment that allows to vary the beam angle by replacing the different holographic filters.

Multi-optic versions

One of the primary features of Jupiter Pro is the ability to change the beam angle of the Multi-optic version. Without changing the IP rating, the holographic filter can be changed inside the optical compartment to obtain different beam angles. The product comes with additional holographic filters so they can be changed based on the project needs.

JUPITER

PRO



LED / 5,7W / LENS / NSP

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc		**1E377390**	**1E377490**	**1E377590**	**1E387790**
24Vdc		**1E377690**	**1E377790**	**1E377890**	**1E387890**

LED / 10,3W / LENS / SP (15°), SP (24°), FL, MWFL

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc		**1E377990**	**1E378090**	**1E378190**	**1E387990**
24Vdc		**1E378290**	**1E378390**	**1E378490**	**1E388090**

Note

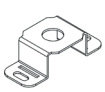
Ra80: to order this version it is necessary to remove the suffix “90” at the end of the standard code.

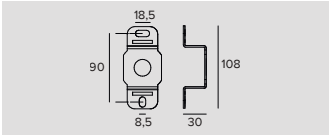
Related codes

Mounting System

Ø	H	Colour	Code
50	182		**1E3785**
50	182		**1E3803**

Earthspike.
Powder coated stainless steel.





Colour	Code
	1E3786
	1E3804

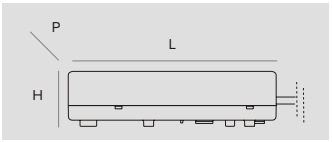
Plate for fixture rotation (surface installation).
Powder coated stainless steel.

JUPITER

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Accessories

Filter

	Code
	1E3790

Blade of light filter.
PMMA holographic filter for a blade of light effect.
Diameter 36mm.

Grid

	Code
	1E3792

Anti-glare louver.
Black painted metal honeycomb structure.
Ready to be housed inside the optical compartment.
Diameter 36mm.

Screen

	Colour	Code
		1E3788
		1E3806

Asymmetric screen.
Powder coated stainless steel.
Diameter 36mm.

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

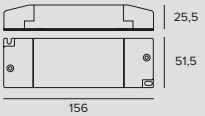
JUPITER

Tool

	Code
	1E3305

(Tightening) wrench for the connector kit.

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

	Code
	1E3048

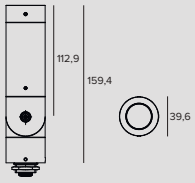
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

JUPITER

PRO Small



LED / 5,7W / LENS / SP, FL, MWFL

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc		**1E376790**	**1E376890**	**1E376990**	**1E387590**
24Vdc		**1E377090**	**1E377190**	**1E377290**	**1E387690**

Note

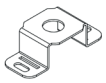
Ra80: to order this version it is necessary to remove the suffix “90” at the end of the standard code.

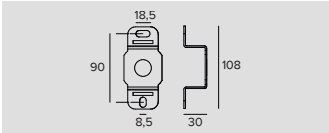
Related codes

Mounting System

Ø	H	Colour	Code
50	182		**1E3785**
50	182		**1E3803**

Earthspike.
Powder coated stainless steel.





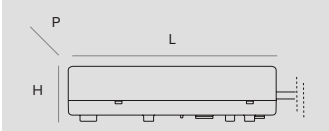
Colour	Code
	1E3786
	1E3804

Plate for fixture rotation (surface installation).
Powder coated stainless steel.

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

JUPITER

Accessories

Filter

	Code
	1E3789

Blade of light filter.
PMMA holographic filter for a blade of light effect.
Diameter 26mm.

Grid

	Code
	1E3791

Anti-glare louver.
Black painted metal honeycomb structure.
Ready to be housed inside the optical compartment.
Diameter 26mm.

Screen

	Colour	Code
		1E3787
		1E3805

Asymmetric screen.
Powder coated stainless steel.
Diameter 26mm.

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

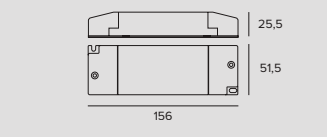
Tool

	Code
	1E3305

(Tightening) wrench for the connector kit.

JUPITER

Control systems



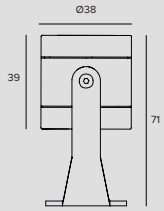
	Code
Dimmer for 12-24Vdc constant voltage LED driver. 1-10V/DALI control input. IP20	**1T6581**

	Code
A IP67 Module for individual control of external devices equipped with DALI drivers. The module needs to be positioned in order to receive radio signals. The distance to the lighting fixtures can reach up to 50m. Wireless control via the Casambi application. LxHxP=56.5x22.3x35.8mm.	**1E3048**

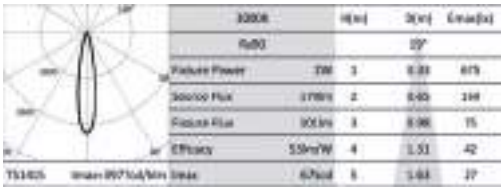
	Code
IP67 Extender for wireless control of DALI fixtures. It generates a local DALI bus with the capacity to drive up to 64 fixtures. Can control DALI fixtures in outdoor applications via the Casambi application. LxHxP=150x40x148mm.	**1E3049**

JUPITER

Mini Projector

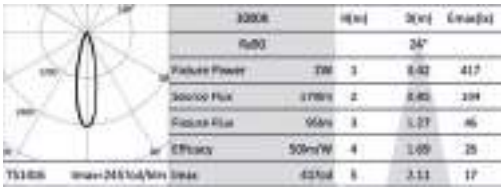


LED / 1,9W / SP (19°)



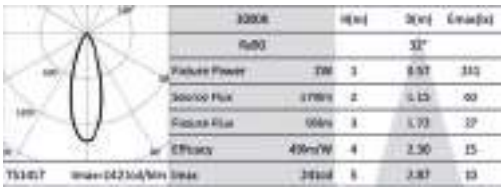
Power supply	Colour	3000K	4000K
24Vdc		**1E316790**	**1E316890**

LED / 1,9W / SP (24°)



Power supply	Colour	3000K	4000K
24Vdc		**1E316990**	**1E317090**

LED / 1,9W / FL



Power supply	Colour	3000K	4000K
24Vdc		**1E317190**	**1E317290**

Note

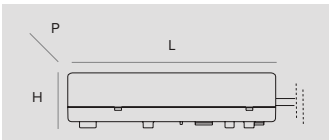
Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

JUPITER

Accessories

Mounting System

	L	Code
	110	**1E0995FE**

Ferrite painted stainless steel peg for ground anchorage.

Connector

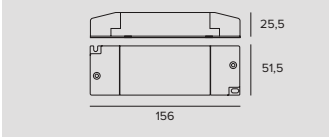
Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm².
Cable diameter range from 6 to 12mm.

Control systems



Code
1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

LED.Y

GENERAL INFO
Adjustable on bracket projector
ø50mm

LED
LED emitter
3000K – 6000K
From 99lm to 143lm
Ra80
RGB: RGB LED Multichip
From 8lm to 48lm

PRODUCT EFFICACY
Until 47lm/W

OPTICS
Versions Mono-led
SP - FL

POWER SUPPLY
Electronic

MATERIAL
Anodised aluminium body and bracket. Vandalproof clear polycarbonate 40 joule shock resistant screen.

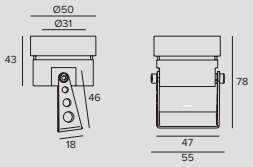
ON DEMAND
110-277Vac power supply

A series of miniature fixtures available in recessed or projector versions with monochromatic LED and RGB technology.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

LED.Y

Projector



LED / 2W / SP

Power supply	Colour	3000K	6000K
700mA		**1E2371**	**1E2372**

LED / 2W / FL

Power supply	Colour	3000K	6000K
700mA		**1E2373**	**1E2374**

Note

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output current	IP	Code
105x74	17W 12W	220-240Vac 110-120Vac	700mA	IP68	**1E1385**

Electronic power supply.

Accessories

Mounting System

	L	Code
	110	**1E0995**

Peg for ground anchorage.
Stainless steel.

Accessories

Connector

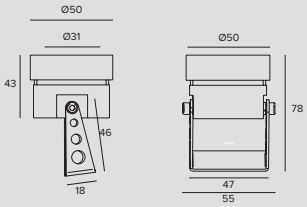
Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

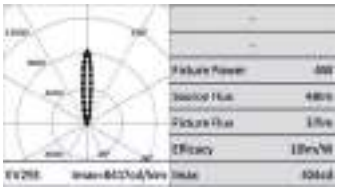
Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm².
Cable diameter range from 6 to 12mm.

Projector RGB

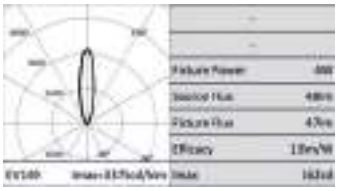


LED RGB / 3,5W / SP



Power supply	Colour	RGB
3x350mA		**1E1855**

LED RGB / 3,5W / FL



Power supply	Colour	RGB
3x350mA		**1E1410**

Note

Photometrics show the maximum emission values of fixtures.

Values relating to the power of the fixture do not take into account the absorption of the accessory driver. This value depends on the choice of driver.

Related codes

Control systems

Code
1E1401

SECS 75.
IP67
Power supply and Control System SECS Scene Effect Control System.
SECS 75 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
75W output.

Code
1T2245

SECS 36.
IP20
Power supply and Control System SECS Scene Effect Control System.
SECS 36 drivers combine the following 3 functions in a single unit,: power supply to RGB LED devices, playback of pre-set colour sequences and a DMX interface for external control devices.
The SECS “Easy-Run-Menu” function is able to playback colour-changing light scenarios that are pre-stored into the driver without the use of an external driver: - 8 static colour scenarios; - 8 dynamic colour sequences; - 5 different playback speed values; - Start/Stop the selected scenario using a remote switch.
SECS 75 drivers can also be controlled through DMX 512; in this case: - DMX address (from 1 to 511) can be configured by using dip-switches; - 3 channel mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only; - 6 channel mode: the outputs are divided into 2 R-G-B groups, each one controlled by 3 different DMX channels; - DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch; - DMX output is available for connection to other DMX devices.
35W output.

Accessories

Mounting System

	L	Code
	110	**1E0995**

Peg for ground anchorage.
Stainless steel.

Cable

	Code
	1E1713

6-pole cable for driver output connection to Constant Current LED sources.

Control systems

	Code
	1T1898

my-SCENARIO Show Store.
Digital devices designed to control dynamic lighting fixtures and programme dynamic light scenarios and sequences.
The system consists of intuitive software, compatible with Windows operating systems, able to control different hardware devices with the following functions: - record colour-changing scenarios set by the operator; - allow selection among the multiple scenarios already recorded; - transmit the control signals to the lighting system.
The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.
The software provides a graphic simulation of the operating keys of a lighting controller; the patching function allows the DMX control channels to be assigned to fixtures by using the internal library.
The Colour Manager function allows for quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times.
The built-in calendar allows full time scheduling of show playback (month, day, hour, minutes, recurring events).
The programmed light shows can be transferred to different control interfaces.

	Code
	1T6499

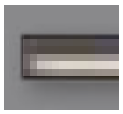
myScenario Wall.
DMX controller with a glass touch sensitive screen for architectural applications.
It can control two different DMX universes (2x 512 channels).
Stand alone function or connected to a computer using a USB port.
Software for creating scenarios (that can be downloaded from the Targetti website) included.
It can manage 10 different lighting zones and 50 scenarios per zone.
The touch keys on the front make it possible to modify and recall programmed scenarios.
USB cable included.
To be used with all RGB and RGBW products.

Wall recessed

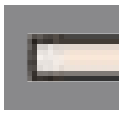
Outdoor

New product
Line Extension
New Performances
New Accessory

738
ZEDGE PRO



744
ZEDGE
Line



744
ZEDGE
Line Opal

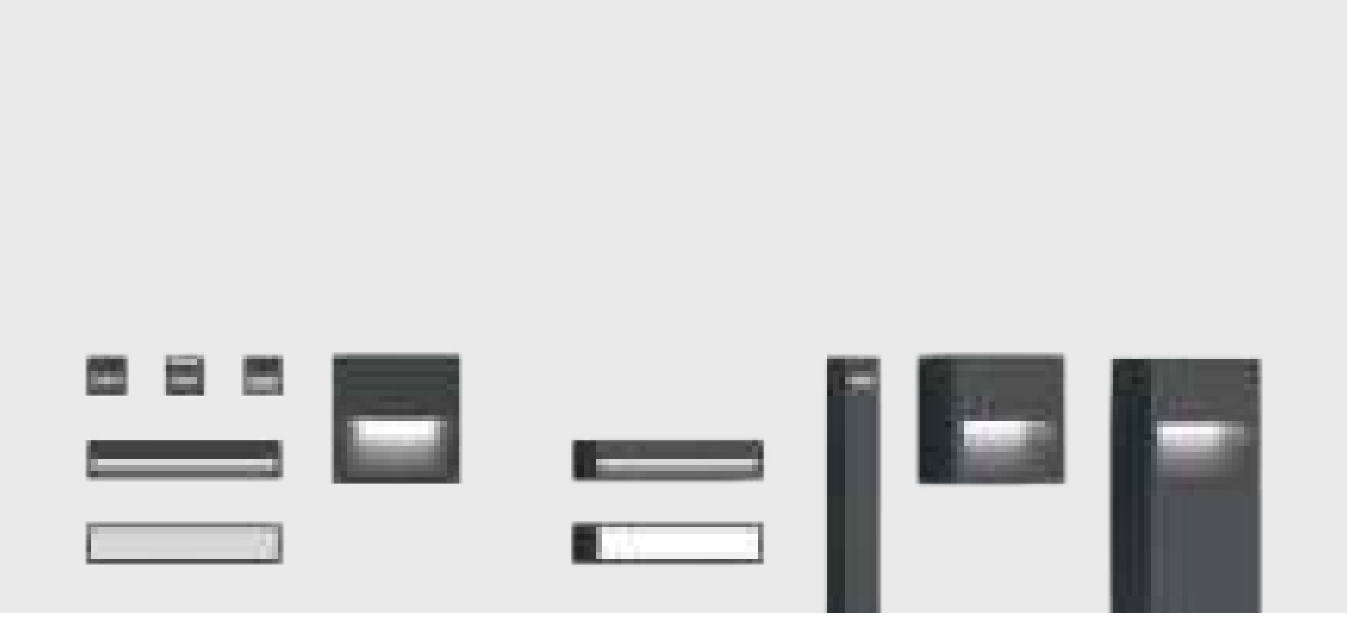
752
ZEDGE

ZEDGE

Family

The result of the collaboration with the architectural and design firm Gensler, the Zedge range is designed to light passage ways, stairwells and corridors with solutions with the same minimal and refined design characterised by a perfect play of proportions, inclined planes, and sharp and defined edges.

The range is available in three different sizes and with 24V and 220V integrated drivers. In addition to the first Zedge version - the extremely compact step-marker, - the range includes Zedge Line and Zedge Line Opal linear fixtures, the Zedge Pro floor washer - and the compact Zedge Bollard suitable for lighting small passage ways.



737

Wall recessed

ZEDGE PRO

GENERAL INFO
Recessed wall mounted fixture, surface mounted and bollard.
Zedge PRO 200x200mm

LED
2 Chip on board
From 2022lm to2179lm
2700K - 3000K - 3500K - 4000K
Ra80

PRODUCT EFFICACY
Up to 50lm/W

OPTICS
Floor Washer deep
Floor Washer wide
Floor Washer adjustable

POWER SUPPLY
Electronic - DALI - 24V
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
The body of the fixture and the external frame are made of powder coated die-cast anodised aluminium.

ON DEMAND

Easy Custom Colour

Cataphoresis treatment

Ra90

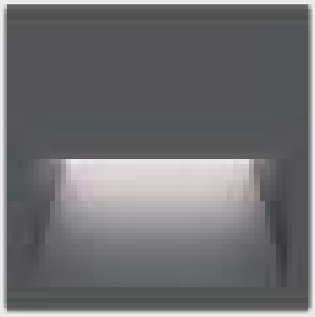
110-277Vac power supply

The larger and high-performance fixture it is a real floor-washer with an innovative optical system and a design based on a perfect play of proportions, inclined planes, defined corners and sharp edges.
The finishing screen can be installed on the surface or flush with the wall for maximum formal simplicity.

Optical systems is made of two independent beams that can be configured in different ways to produce multiple effects: deep, wide plus all the effects in between with the innovative adjustable version.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.



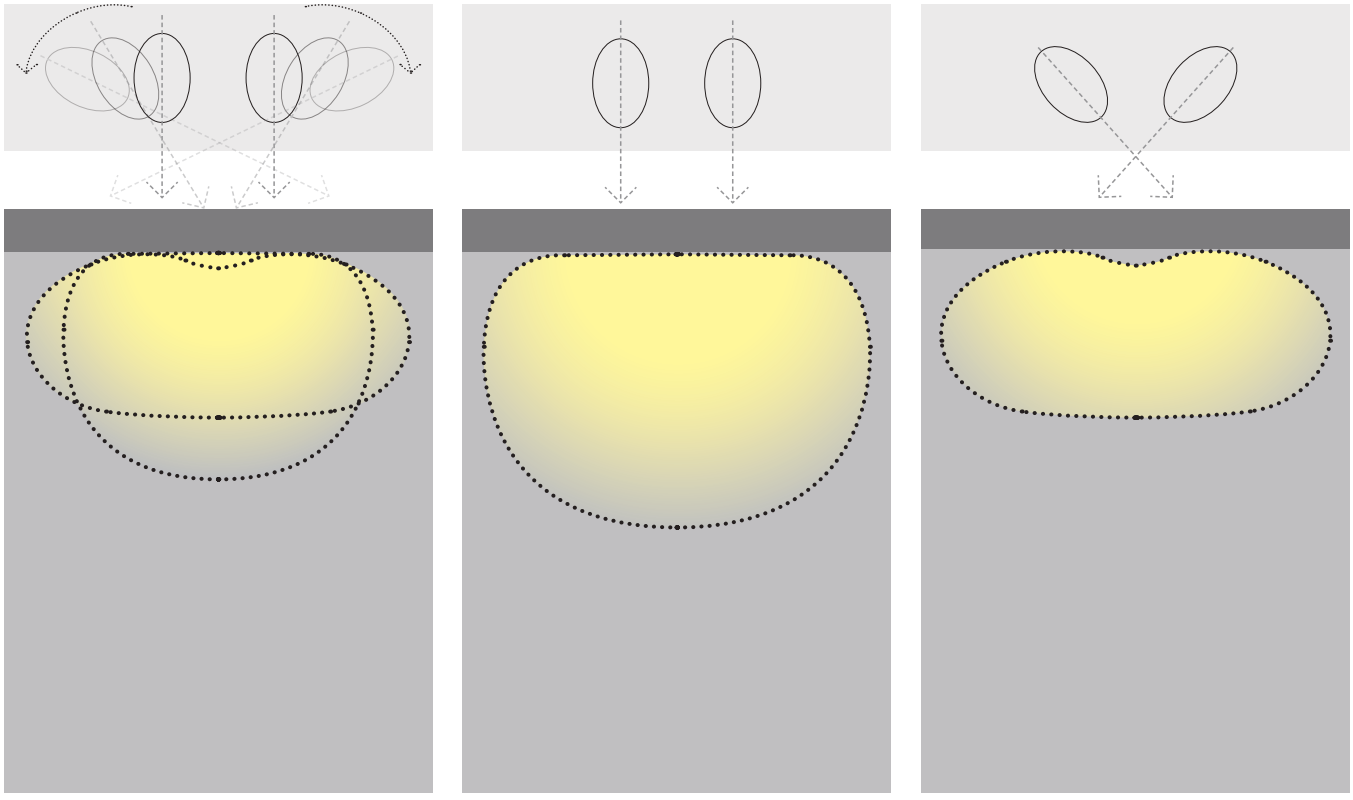
Bollard and
Wall mounted versions

Thanks to the special accessories it is now possible to install Zedge Pro even in a Wall mounted and Bollard versions, available in three different heights 400 - 800 - 1000mm.

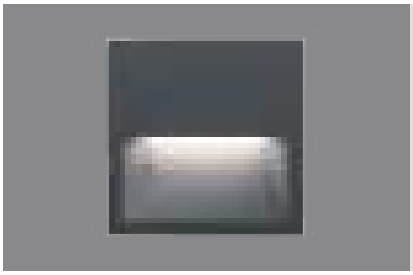
Adjustable Version
An innovative solution that makes it possible to obtain different light effects with the same fixture by calibrating the light beam to suit different project needs. Using an Allen key, it is possible to rotate the optical system changing from a DEEP effect to a WIDE effect fluidly, choosing the most suitable position for the project from among the myriad of intermediary positions.

Deep Version
For deep lighting of horizontal surfaces where the priority is to light large open spaces or very wide pathways.

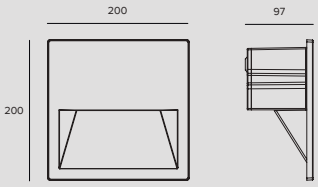
Wide Version
For lighting that favours illuminance uniformity on the longitudinal axis such as long public or private pedestrian walkways.



ZEDGE



Pro



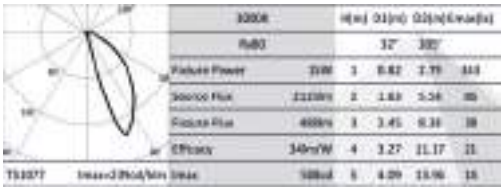
LED / 13W / DEEP

IP66 IK10

Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1E3192EL**	**1E3195EL**	**1E3760EL**	**1E3198EL**
DALI	●	**1E3192DA**	**1E3195DA**	**1E3760DA**	**1E3198DA**

LED / 13W / WIDE

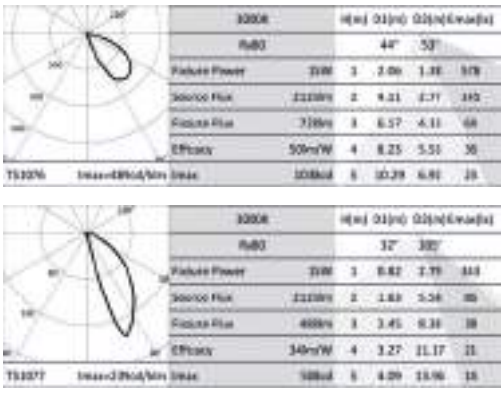
IP66 IK10



Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1E3201EL**	**1E3204EL**	**1E3761EL**	**1E3207EL**
DALI	●	**1E3201DA**	**1E3204DA**	**1E3761DA**	**1E3207DA**

LED / 13W / ADJUSTABLE

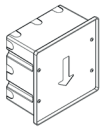
IP66 IK10

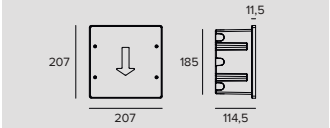


Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1E3210EL**	**1E3213EL**	**1E3762EL**	**1E3216EL**
DALI	●	**1E3210DA**	**1E3213DA**	**1E3762DA**	**1E3216DA**

Related codes

Insertion Box

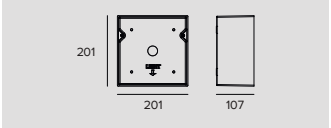




Code
1E3219

Nylon outer casing fitted for parallel connection with feed through-wiring.
AxBxH=207x207x114.5mm.
For flush or overlay installation.

Carter

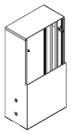


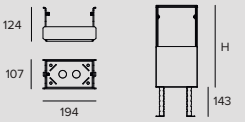
Colour	Code
●	**1E3440**

Plate accessory for wall mounted installation.
Powder coated anodised aluminium.
AxBxH=201x201x107mm.

ZEDGE

Bollard





	Kg	H	Colour	Code
	2.7	400		**1E3437**
	5.1	800		**1E3438**
	6.2	1000		**1E3439**

Powder coated anodised aluminium bollard.

Mounting System

	Code
	1E3450

Fixing rods for installation in concrete.
AISI 316 stainless steel.
For Zedge Pro Bollard installation (+1E3437, 1E3438, 1E3439).
For Zedge Bollard installation (+1E3741).
H=143mm.

Accessories

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Tool

	Code
	1E3305

(Tightening) wrench for the connector kit.

Control systems

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

ZEDGE LINE
ZEDGE LINE OPAL

GENERAL INFO
Recessed wall mounted fixture and surface mounted.
Zedge Line
63x304mm
Zedge Line Opal
63x304mm

LED
Linear boards
From 815lm to 1310lm
2700K - 3000K - 3500K - 4000K
Ra80

PRODUCT EFFICACY
Zedge Line
Up to 29lm/W
Zedge Line Opal
Up to 78lm/W

OPTICS
Zedge Line
Floor Washer
Zedge Line Opal
Opal

POWER SUPPLY
Electronic - DALI - 24V
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Zedge Line: Die-cast anodised aluminium body and external frame; powder coated frame.
Screen-printed extra-clear tempered glass screen.
Zedge Line Opal:
Die-cast anodised aluminium body and external frame; powder coated frame.
Polycarbonate screen.

ON DEMAND
Easy Custom Colour
Cataphoresis treatment
Ra90
110-277Vac power supply

The slender and slim rectangular version of the range is available with both a floor washer reflector for discrete and controlled lighting of floors as well as in a new Opal version for a softer and more diffused effect.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

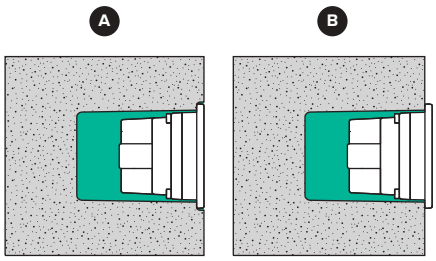
Plus

Surface installation

Thanks to the special accessory Zedge Line and Zedge Line Opal can also be surface installed.

One solution for two recessed possibilities.

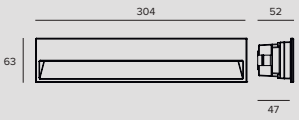
The special outer casing makes it possible to install Zedge Line and Zedge Line Opal both flush (A) and surface with a protrusion of just 4.5mm (B).



Flush installation | Surface installation

ZEDGE

Line



LED / 6W / FLOOR WASHER / 24Vdc

	Colour	2700K	3000K	3500K	4000K
	●	**1E3441**	**1E3445**	**1E3763**	**1E3446**

LED / 8W / FLOOR WASHER / 220-240Vac

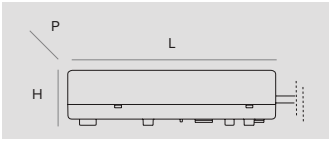
Driver	Colour	2700K	3000K	3500K	4000K
EL.	●	**1E3442EL**	**1E3443EL**	**1E3764EL**	**1E3444EL**
DALI	●	**1E3442DA**	**1E3443DA**	**1E3764DA**	**1E3444DA**

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Insertion Box

	Code
	1E3447

Nylon outer casing fitted for parallel connection with feed through-wiring.
Cutout hole for flush installation AxBxP=308x68x80mm.
Cutout hole for overlay installation AxBxP=298x57x73mm.

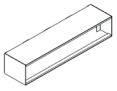
Mounting System

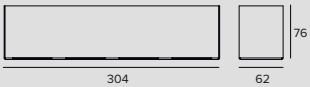
	Code
	1T7003

Stainless steel spring kit for installation without insertion box.

ZEDGE

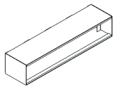
Carter

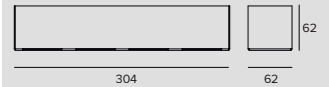




Colour	Code
	1E3872

Carter for surface installation.
Can contain 1E2769 and 1E2494 connectors inside.
Powder coated stainless steel.
AxBxH=62x304x76.5mm.





Colour	Code
	1E3873

Carter for surface installation.
To be completed with an external junction box.
Powder coated stainless steel.
AxBxH=62x304x63.5mm.

Accessories

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

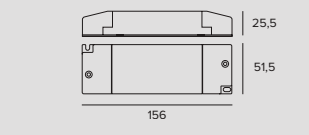
Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Code
1E3184

IP68 4-way cable connector (5 pole).

Control systems



Code
1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

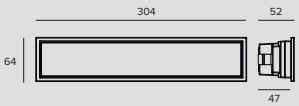
ZEDGE

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

ZEDGE

Line Opal



LED / 6W / VWFL / 24Vdc

Colour	2700K	3000K	3500K	4000K
	1E3511	**1E3513**	**1E3765**	**1E3515**

LED / 6W / VWFL / 220-240Vac

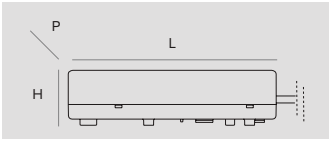
Driver	Colour	2700K	3000K	3500K	4000K
EL.		**1E3512EL**	**1E3514EL**	**1E3766EL**	**1E3516EL**
DALI		**1E3512DA**	**1E3514DA**	**1E3766DA**	**1E3516DA**

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Insertion Box

Code
1E3447

Nylon outer casing fitted for parallel connection with feed through-wiring.
Cutout hole for flush installation AxBxP=308x68x80mm.
Cutout hole for overlay installation AxBxP=298x57x73mm.

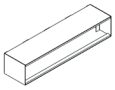
Mounting System

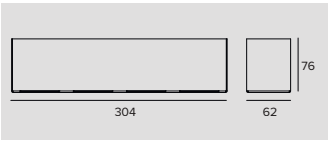
Code
1T7003

Stainless steel spring kit for installation without insertion box.

ZEDGE

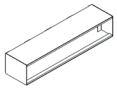
Carter

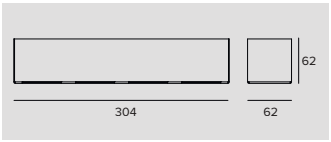




	Colour	Code
		1E3872

Carter for surface installation.
Can contain 1E2769 and 1E2494 connectors inside.
Powder coated stainless steel.
AxBxH=62x304x76.5mm.





	Colour	Code
		1E3873

Carter for surface installation.
To be completed with an external junction box.
Powder coated stainless steel.
AxBxH=62x304x63.5mm.

Accessories

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

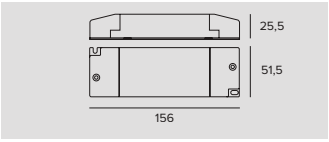
	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

	Code
	1E3184

IP68 4-way cable connector (5 pole).

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

ZEDGE

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

ZEDGE

GENERAL INFO
Recessed wall mounted fixture
Zedge 63.5x63.5mm

LED
Linear boards
From 523lm to 666lm
2700K - 3000K - 3500K - 4000K
Ra80-Ra90

PRODUCT EFFICACY
Up to 56lm/W

OPTICS
Floor washer
Floor washer + Halo
Louvre

POWER SUPPLY
Electronic - DALI - 24V
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Die-cast anodised aluminium body fitted with a spring fixing system.
Powder coated die-cast anodised aluminium external frame.

ON DEMAND

Easy Custom Colour

Cataphoresis treatment

110-277Vac power supply

Zedge, the first and smallest version in the range is an extremely compact step-marker - 63.5mm x 63.5 mm – with a minimal and well proportioned design that characterises the entire family.

Designed to light outdoor environments it is a functional yet decorative fixture at the same time, ideal even for indoor environments thanks to its compact size and the possibility to choose from different colour finishes in the RAL range.
Installation requires the use of an accessory outer casing or directly on the plasterboard.

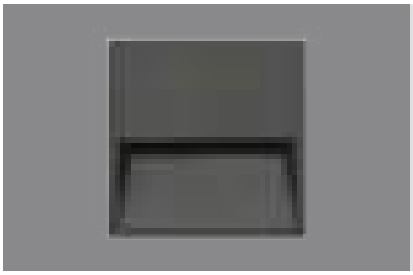
The decorative front screen, available in three different versions and just 5mm thick simplifies and finishes any installation to ensure three different lighting effects.
Zedge Floor Washer is now available also as High Output versions.

Zedge uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

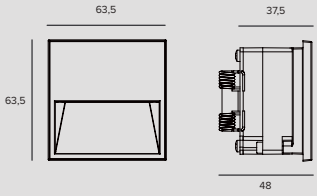
Catedral Santo Eccehomo
Valledupar, Colombia

Architect Gustavo Vasquez
Photographer Sebastian Franco

Eletrical Engineer Schaller Tech



Floor Washer

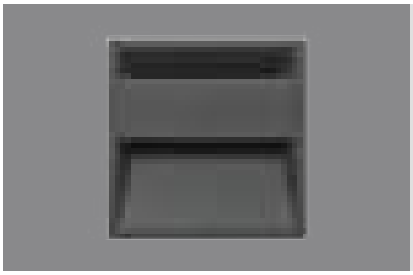


LED / 3,9W / FLOOR WASHER

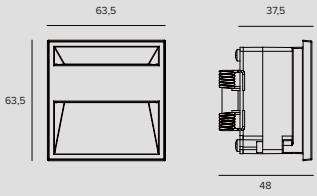
Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	○	**1E3742**	**1E3154**	**1E3745**	**1E3157**
24Vdc	●	**1E3743**	**1E3160**	**1E3746**	**1E3163**
24Vdc	●	**1E3744**	**1E3148**	**1E3747**	**1E3151**

LED / 3,9W / FLOOR WASHER HO

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	○	**1E3884**	**1E3887**	**1E3890**	**1E3893**
24Vdc	●	**1E3885**	**1E3888**	**1E3891**	**1E3894**
24Vdc	●	**1E3886**	**1E3889**	**1E3892**	**1E3895**



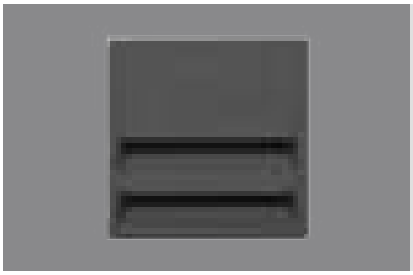
Floor Washer + Halo



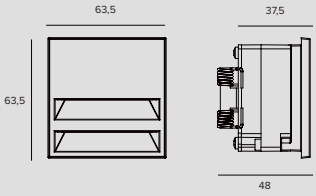
LED / 3,9W

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	○	**1E3748**	**1E3155**	**1E3751**	**1E3158**
24Vdc	●	**1E3749**	**1E3161**	**1E3752**	**1E3164**
24Vdc	●	**1E3750**	**1E3149**	**1E3753**	**1E3152**

ZEDGE



Louvre



LED / 3,9W

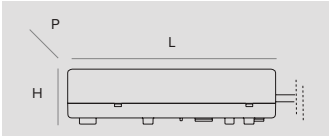
Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	○	**1E3754**	**1E3156**	**1E3757**	**1E3159**
24Vdc	●	**1E3755**	**1E3162**	**1E3758**	**1E3165**
24Vdc	◐	**1E3756**	**1E3150**	**1E3759**	**1E3153**

Note

Floor Washer HO Ra90 version: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Related codes

Power Supply



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

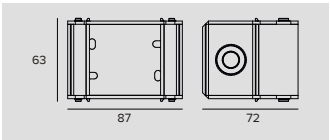
Electronic power supply.

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.

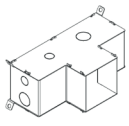
Accessories

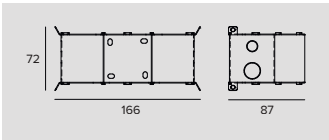
Insertion Box



Code
1E3166

Outer casing in plastic material fitted for parallel connection with feed through-wiring.
For the fixture.
Cutout hole AxBxP=87x59x72.5mm.



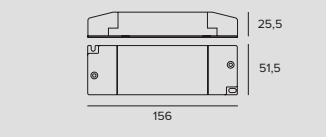


Code
1E3180

Stainless steel outer casing fitted for parallel connection with feed through-wiring.
For fixture + driver (1E3179).
Cutout hole AxBxP=166x72x87mm.

ZEDGE

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

Terminal Box

	Code
	1E3181

Terminal box with gel.

Control systems

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

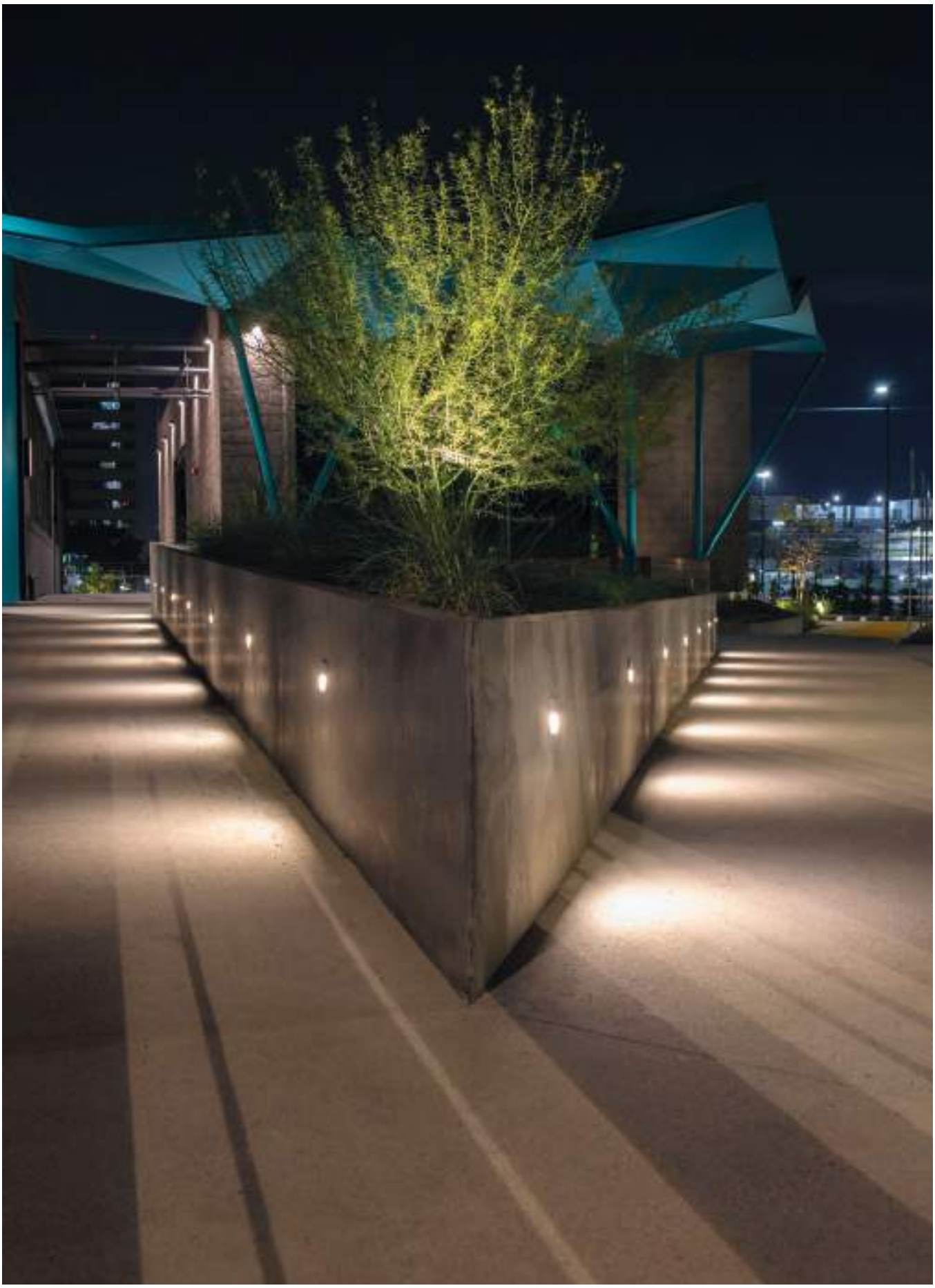
	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

1925 East Maple Ave
El Segundo, CA, USA

Lighting Design Oculus Light Studio
Photos ©SAC Design

Developer REthink Development and EverWest Real Estate Investors



Ceiling and Wall

Outdoor

Ceiling luminaires

772
STILO
Ceiling

784
HOCKEY
Ceiling

Wall mounted luminaires

760
MR SMITH

760
MRS SMITH

768
FEBO EVO

772
STILO WALL
FLAT

772
STILO WALL
STRAIGHT

784
HOCKEY
Wall

738
ZEDGE PRO

744
ZEDGE
Line

744
ZEDGE
Line Opal

Mr & Mrs SMITH

GENERAL INFO
Wall mounted LED fixtures.
Mr Smith
130x130x51.5mm
Mrs Smith
305x63.6x51.5mm

LED
LED Chip on board high efficacy
From 706lm to 2082lm
2700K – 3000K – 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 97lm/W

OPTICS
Opal version: Direct - Indirect - Direct/indirect

POWER SUPPLY
Electronic – DALI - 24V

MATERIAL
Anodised and painted die-cast aluminium body.
Injection moulded opal polycarbonate screen.

ON DEMAND

Easy Custom Colour

3500K

Cataphoresis treatment

110-277Vac power supply

New applique for outdoor installation. Available in two different versions: Square shaped Mr Smith and rectangular shaped Mrs Smith for wall mounted installations with direct fixing on the back of the product. Both versions are available with different emissions: indirect, direct and direct/indirect.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

Plus

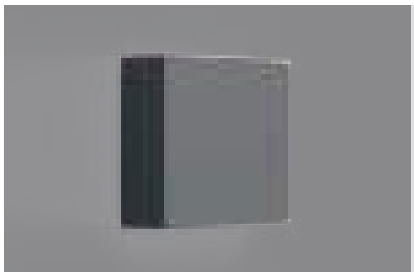
Three light skimming effects

Direct, indirect, and direct/indirect emission.
The direct light version has an inclined plane at the bottom that, together with the opal polycarbonate screen, softly accompanies the light recalling the design of the ZEDGE Series.
In the version with only indirect or direct/indirect emission the polycarbonate screen at the top softly diffuses the light.

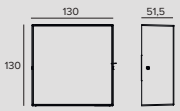
Double geometry and easy installation

130x130 square solution and 63x300 rectangular solution, both made up of two elements for quick mounting without visible screws and an overall clean effect. The base is attached to the installation surface and the body of the device, which has different sections based on the type of emission, is attached to it.

MR & MRS SMITH



MR SMITH



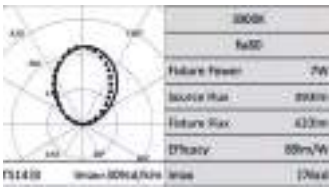
LED / 5,9W / OPAL / DIRECT / 24Vdc

Colour	2700K	3000K	4000K
	1E3528	**1E3530**	**1E3532**

LED / 5,9W / OPAL / DIRECT / 220-240Vac

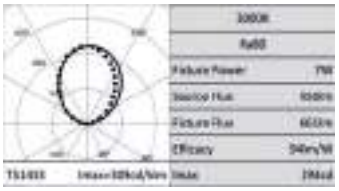
Driver	Colour	2700K	3000K	4000K
EL.		**1E3527EL**	**1E3529EL**	**1E3531EL**
DALI		**1E3527DA**	**1E3529DA**	**1E3531DA**

LED / 5,9W / OPAL / INDIRECT / 24Vdc



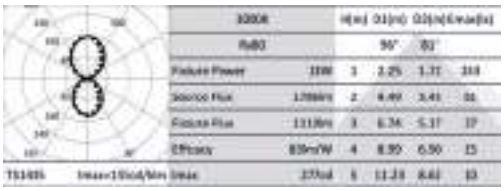
Colour	2700K	3000K	4000K
	1E3522	**1E3524**	**1E3526**

LED / 5,9W / OPAL / INDIRECT / 220-240Vac



Driver	Colour	2700K	3000K	4000K
EL.		**1E3521EL**	**1E3523EL**	**1E3525EL**
DALI		**1E3521DA**	**1E3523DA**	**1E3525DA**

LED / 12W / OPAL / DIRECT/INDIRECT / 24Vdc



Colour	2700K	3000K	4000K
	1E3534	**1E3536**	**1E3538**

MR & MRS SMITH

LED / 12W / OPAL / DIRECT/INDIRECT / 220-240Vac

Driver	Colour	2700K	3000K	4000K
EL.		**1E3533EL**	**1E3535EL**	**1E3537EL**
DALI		**1E3533DA**	**1E3535DA**	**1E3537DA**

Note

24V version to be powered with an electronic 230V/24Vdc transformer available as an accessory and dimmable with the special accessory kit.

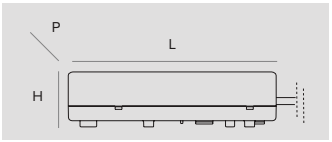
Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.

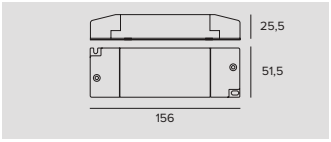


Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Accessories

Control systems



Code

1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

Code

1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

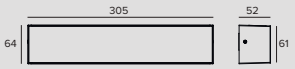
Code

1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

MR & MRS SMITH

MRS SMITH



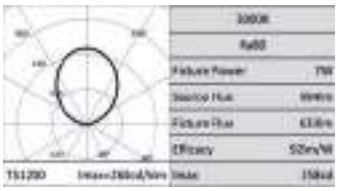
LED / 6,1W / OPAL / DIRECT / 24Vdc

Colour	2700K	3000K	4000K
●	**1E3546**	**1E3548**	**1E3550**

LED / 6,1W / OPAL / DIRECT / 220-240Vac

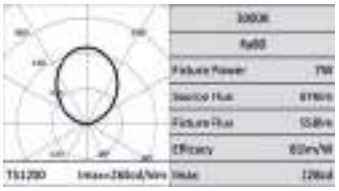
Driver	Colour	2700K	3000K	4000K
EL.	●	**1E3545EL**	**1E3547EL**	**1E3549EL**
DALI	●	**1E3545DA**	**1E3547DA**	**1E3549DA**

LED / 6,1W / OPAL / INDIRECT / 24Vdc



Colour	2700K	3000K	4000K
●	**1E3540**	**1E3542**	**1E3544**

LED / 6,1W / OPAL / INDIRECT / 220-240Vac



Driver	Colour	2700K	3000K	4000K
EL.	●	**1E3539EL**	**1E3541EL**	**1E3543EL**
DALI	●	**1E3539DA**	**1E3541DA**	**1E3543DA**

LED / 12W / OPAL / DIRECT/INDIRECT / 24Vdc

Colour	2700K	3000K	4000K
●	**1E3552**	**1E3554**	**1E3556**

MR & MRS SMITH

LED / 12W / OPAL / DIRECT/INDIRECT / 220-240Vac

Driver	Colour	2700K	3000K	4000K
EL.		**1E3551EL**	**1E3553EL**	**1E3555EL**
DALI		**1E3551DA**	**1E3553DA**	**1E3555DA**

Note

24V version to be powered with an electronic 230V/24Vdc transformer available as an accessory and dimmable with the special accessory kit.

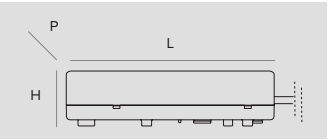
Ra90: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

Related codes

Power Supply

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.

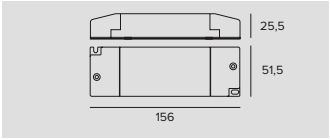


Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
185x22x64	50W	220-240Vac	24Vdc	IP20	**1T3726**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Accessories

Control systems



Code
1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

Code
1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

Code
1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

FEBO EVO

GENERAL INFO
Inground or wall fixture with grazing light effect.
ø160mm – H 150mm

LED
Multiple sources circuit, mid-power
LED
From 4452lm to 5038lm
2700K – 3000K – 4000K
Ra80

PRODUCT EFFICACY
Unitil 76lm/W

OPTICS
Grazing

POWER SUPPLY
Available with an integrated electronic or DALI power supply. Watertight connection system inside the fixture included.
Casambi control system available using a dedicated accessory (only for DALI version products). 220-240Vac 50/60Hz

MATERIAL
Extruded aluminium body, die-cast aluminium optical head with black radial blades.

ON DEMAND

Easy Custom Colour

3500K

Cataphoresis treatment

Inground or wall mounted LED fixture with grazing lighting effect with unbroken radial 360° emission that can be controlled using accessories to modulate the light as if it were a second skin.
The light emitted is capable of adhering perfectly to architectural surfaces and to emphasize textures and the consistency of different materials. Its compact design integrates harmoniously with the architecture making it a discrete element even during the daytime.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Plus” technical solution that involves resin coating the connection cables and completely resin coating the integrated driver limiting the risk of humidity reaching the fixture.

Volkstheater
Vienna, Austria

Lighting design Podpod design
Architects Ferdinand Fellner and Hermann Helmer

Restauration Dietrich Untertrifaller Architekten, Alexander van der Donk
Photographer Podpod design

Plus

Installed on the floor Febo Evo

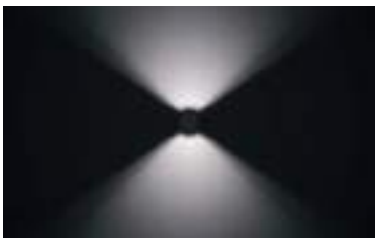
Is a reliable tool with minimal visual impact capable of lighting paths in depth and breadth, or separating different areas using light. It is installed on the ground with a simple support base that is supplied.

It is in wall installations that Febo Evo shows its potential the most

This sophisticated fixture emits a 360° blade of light without any interruptions that is capable of adhering to every surface like a second skin.

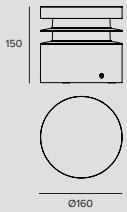
With the use of accessories

The light from Febo Evo can be shaped according to needs. Simple rubber elements, combined, coordinated or cut can be positioned at any point so that they “design” the light that best suits the project needs..

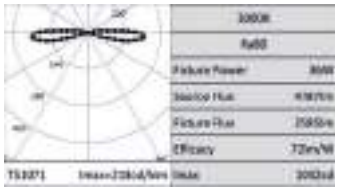


FEBO

EVO



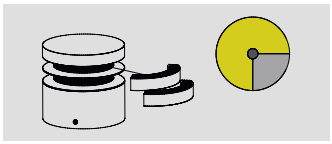
LED / 32W / WFL



	Driver	2700K	3000K	4000K
	EL.	**1E3189EL**	**1E3190EL**	**1E3191EL**
	DALI	**1E3189DA**	**1E3190DA**	**1E3191DA**

Accessories

Shutter



	Code
	1E3399

120° shutter kit (with 4 cut zones that allow to shutter even 105°/90°/75°/60° angles).
Max. no. of kits per product: 2.

Tool

	Code
	1E3305

(Tightening) wrench for the connector kit.

Control systems

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

STILO

Wall mounted
Ceiling mounted

A range of products with the same design but with different installation characteristics: from architectural lighting of building facades and porticos right up to pedestrian walkways. Different needs and effects with a unique family feeling; wall mounted and ceiling mounted versions that produce a myriad of lighting effects, from purely graphic and defined effects to wider beams that fill large spaces.

On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Plus” technical solution that involves resin coating the connection cables and completely resin coating the integrated driver limiting the risk of humidity reaching the fixture.

GENERAL INFO
Wall-mounted fixture.
282x80x184mm

LED
ASY and ELL optic: LED Chip on board
NSP optic: LED Emitter
Effect optic: LED Multichip Emitter
From 600lm to 6536lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 112lm/W

OPTICS
NSP – Effect – Asym – Elliptical

POWER SUPPLY
Electronic

MATERIAL
Anodized and painted extruded aluminium body and anodized and powder coated die-cast aluminium optical unit and terminal. Tempered glass protective screen.

ON DEMAND

Easy Custom Colour

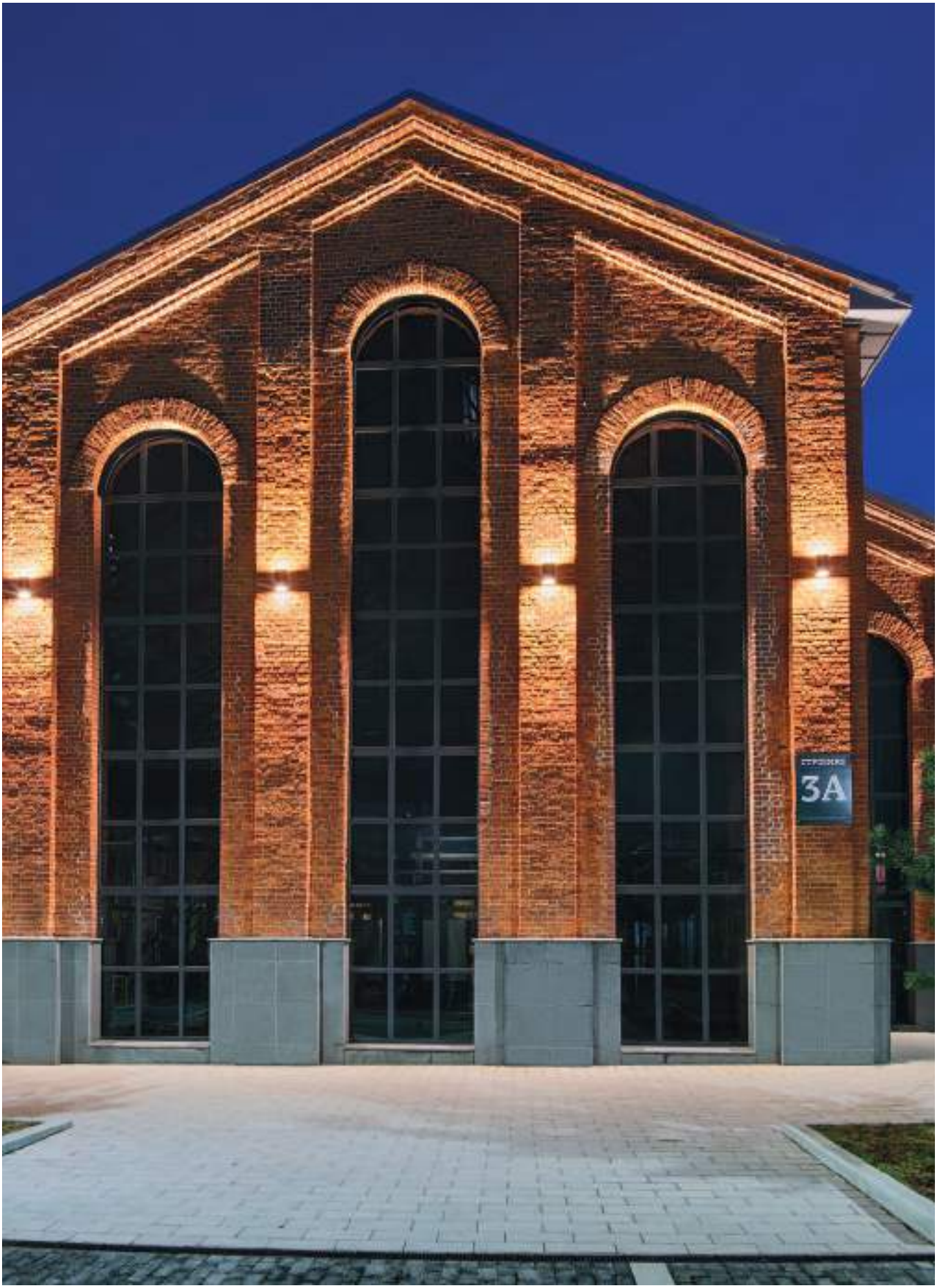
110-277Vac power supply

Cataphoresis treatment

Arma
Moscow, Russian Federation

Architect SKiP Architectural Bureau

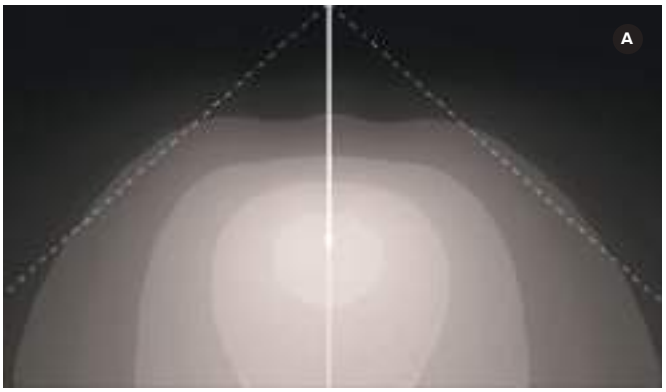
Photographer Ilya Melikhov



Plus

Available in two installation types
Flat (parallel to the wall) and Straight (perpendicular to the wall), both available in mono and bi-emission versions.

The ceiling mounted version
Are ideal to light porticos, the different optics make it possible to light pedestrian areas or vertical walls.



Stilo is available with four different optical solutions

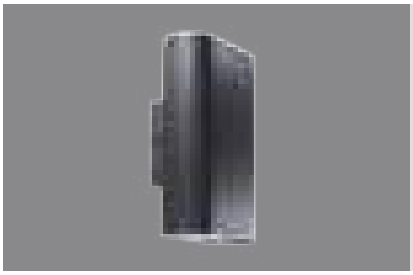
A Elliptical emission
Using it like a grazing lighting is ideal to illuminate the building facades.
The ceiling mounted versions allows to light pedestrian areas in a particularly uniform way.

B Asymmetric emission
Installed for indirect emission to light arches and direct emission for pedestrian areas.
The ceiling mounted version can also be used to light walls.

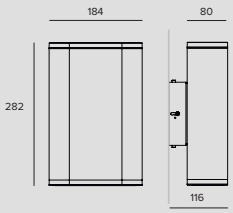
C Superspot emission
Has a particularly concentrated and defined effect that is suitable for lighting a facade.

D Defined effects
Real light patterns on the wall from a blade light beam as thin as a pin, to wider, yet defined effects with beam angles of 30° and 90°.

STILO



Wall Flat



LED / 1x9W / NSP / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2547**	
EL.		**1E2556**	**1E2881**

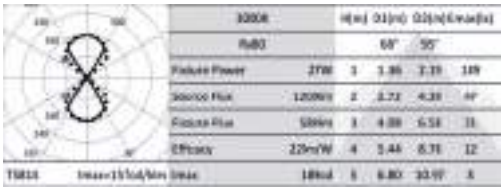
LED / 1x11W / EFFECT / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2882**	**1E2883**

LED / 2x9W / NSP-NSP / BI-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2551**	
EL.		**1E2560**	**1E2887**

LED / 2x11W / EFFECT-EFFECT / BI-EMISSION



Driver	Colour	3000K	4000K
EL.		**1E2888**	**1E2889**

LED / 1x21W / ASYM / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2543**	
EL.		**1E2552**	**1E2877**

STILO

LED / 1x21W / ELLIPTICAL / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2545**	
EL.		**1E2554**	**1E2879**

LED / 1x33W / ASYM / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2544**	
EL.		**1E2553**	**1E2878**

LED / 1x33W / ELLIPTICAL / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2546**	
EL.		**1E2555**	**1E2880**

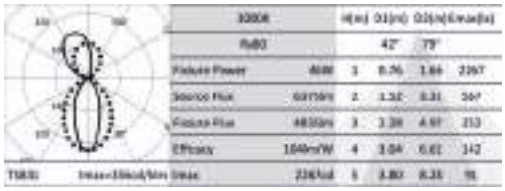
LED / 2x21W / ASYM-ASYM / BI-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2548**	
EL.		**1E2557**	**1E2884**

LED / 2x21W / ELLIPTICAL-ELLIPTICAL / BI-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2549**	
EL.		**1E2558**	**1E2885**

LED / 2x21W / ELLIPTICAL-ASYM / BI-EMISSION



Driver	Colour	3000K	4000K
EL.		**1E2550**	
EL.		**1E2559**	**1E2886**

Note

EFFECT Version: the fixture comes equipped with a 90° beam aperture. The beam can be shaped using shutter accessories.

STILO

Accessories

Filter

Filter	Code
Red	**1E3035**
Green	**1E3036**
Blue	**1E3037**
Yellow	**1E3038**
Magenta	**1E3039**

Chromatic coloured PMMA filter, anodised powder coated frame (ferrite).
NSP, EFFECT, ASYM, ELLIPTICAL

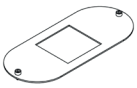
Colour	Code
	1E2575
	1E2576

Blade of light filter.
PMMA holographic filter for a blade of light effect, CNC machine anodised and powder coated aluminium frame.
To be used with NSP optics.

Colour	Code
	1E2577
	1E2578

Anti-glare.
PMMA holographic filter to reduce the beam angle, CNC machine anodised and powder coated aluminium frame.
To be used with NSP, ASYM and ELLIPTICAL optics.

Shaper



Code
1E2901

30° shutter.
Powder coated stainless steel plate (ferrite).
EFFECT

Code
1E2902

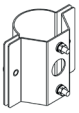
Blade effect shutter.
PMMA plano convex cylindrical lens and powder coated stainless steel plate (ferrite).
EFFECT

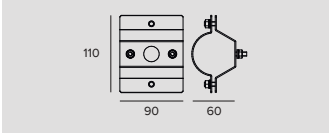
Screen

Colour	Code
	1E2579
	1E2580

Asymmetric screen.
Powder coated stainless steel.
To be used with NSP, EFFECT and ELLIPTICAL optics.

Mounting System

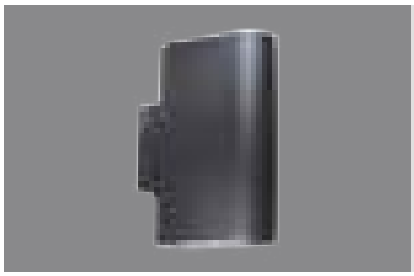




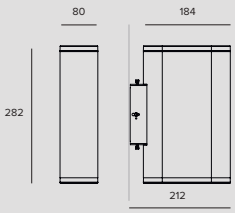
Code
1E2906

Pole (Ø60mm) installation bracket.
Powder coated stainless steel.
NSP, ASYM, ELLIPTICAL

STILO



Wall Straight



LED / 1x9W / NSP / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2894**	**1E2895**

LED / 1x21W / ELLIPTICAL / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2890**	**1E2891**

LED / 1x33W / ELLIPTICAL / MONO-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2892**	**1E2893**

LED / 2x9W / NSP-NSP / BI-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2898**	**1E2899**

LED / 2x21W / ELLIPTICAL-ELLIPTICAL / BI-EMISSION

Driver	Colour	3000K	4000K
EL.		**1E2896**	**1E2897**

STILO

Accessories

Filter

Filter	Code
Red	**1E3035**
Green	**1E3036**
Blue	**1E3037**
Yellow	**1E3038**
Magenta	**1E3039**

Chromatic coloured PMMA filter, anodised powder coated frame (ferrite).
NSP, EFFECT, ASYM, ELLIPTICAL

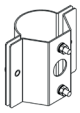
Colour	Code
	1E2576

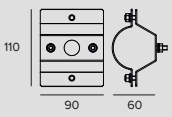
Blade of light filter.
PMMA holographic filter for a blade of light effect, CNC machine anodised and powder coated aluminium frame.
To be used with NSP optics.

Colour	Code
	1E2578

Anti-glare.
PMMA holographic filter to reduce the beam angle, CNC machine anodised and powder coated aluminium frame.
To be used with NSP, ASYM and ELLIPTICAL optics.

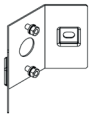
Mounting System

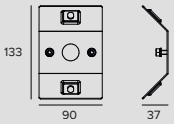




Code
1E2906

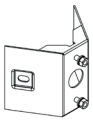
Pole (Ø60mm) installation bracket.
Powder coated stainless steel.
NSP, ASYM, ELLIPTICAL

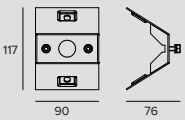




Code
1E2907

Bracket for corner installation.
Powder coated stainless steel.
NSP, ELLIPTICAL



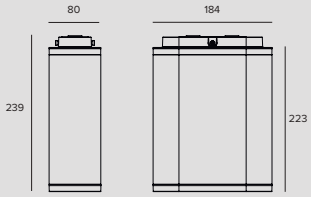


Code
1E2900

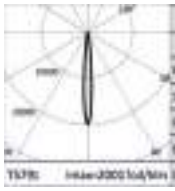
Bracket for edge installation.
Powder coated stainless steel.
NSP, ELLIPTICAL

STILO

Ceiling

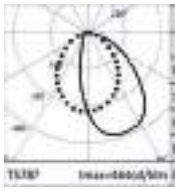


LED / 9W / NSP



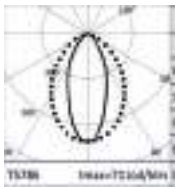
Driver	Colour	3000K	4000K
EL.		**1E2875**	**1E2876**

LED / 21W / ASYM



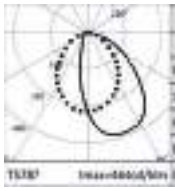
Driver	Colour	3000K	4000K
EL.		**1E2871**	**1E2872**

LED / 21W / ELLIPTICAL



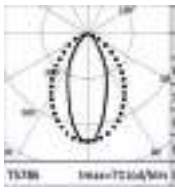
Driver	Colour	3000K	4000K
EL.		**1E2867**	**1E2868**

LED / 33W / ASYM



Driver	Colour	3000K	4000K
EL.		**1E2873**	**1E2874**

LED / 33W / ELLIPTICAL



Driver	Colour	3000K	4000K
EL.		**1E2869**	**1E2870**

STILO

Accessories

Filter

Filter	Code
Red	**1E3035**
Green	**1E3036**
Blue	**1E3037**
Yellow	**1E3038**
Magenta	**1E3039**

Chromatic coloured PMMA filter, anodised powder coated frame (ferrite).
NSP, EFFECT, ASYM, ELLIPTICAL

Colour	Code
	1E2576

Blade of light filter.
PMMA holographic filter for a blade of light effect, CNC machine anodised and powder coated aluminium frame.
To be used with NSP optics.

Colour	Code
	1E2578

Anti-glare.
PMMA holographic filter to reduce the beam angle, CNC machine anodised and powder coated aluminium frame.
To be used with NSP, ASYM and ELLIPTICAL optics.

Screen

Colour	Code
	1E2580

Asymmetric screen.
Powder coated stainless steel.
To be used with NSP, EFFECT and ELLIPTICAL optics.

Private Residence
Bogotà, Colombia

Architect Helmer Junco
Photographer Sebastián Franco

Engineer Schaller Tech Team
Lighting Design Gregory Schaller, Jeins Tinoco

HOCKEY

GENERAL INFO
Applique, ceiling mounted
ø179mm

LED
LED board.
From 1533lm to 1632lm
3000K – 4000K
Ra80

PRODUCT EFFICACY
Unitil 109lm/W

OPTICS
VWFL

POWER SUPPLY
Electronic

MATERIAL
Die-cast ferrite colour anodised aluminium body. LED plate with micro-prismatic diffuser in transparent PMMA.

ON DEMAND

Easy Custom Colour

Cataphoresis treatment

A compact fixture with a simple design with two different installation types- ceiling and wall mounted for direct light- that makes this a flexible tool in the hands of lighting designers.

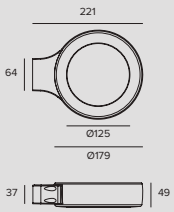
In the wall mounted version the cast aluminium bracket echoes the fixture's rounded shape becoming part of its design.

On request it is possible to subject the product to "Cataphoresis" treatment making it suitable to be installed near the sea (up to 5 metres) or in "hostile" environments.

The entire range uses the "Waterblock Smart" technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

HOCKEY

Wall



LED / 13W / VWFL

Driver	Colour	3000K	4000K
EL.		**1E2909**	**1E2910**

Ceiling

LED / 13W / VWFL

Driver	Colour	3000K	4000K
EL.		**1E2911**	**1E2912**

Bollards

Outdoor

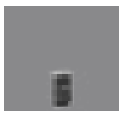
New product
Line Extension
New Performances
New Accessory

788
MR. BO
H 400mm

788
MR. BO
H 800mm

788
MR. BO
H 1000mm

796
ZEDGE
Bollard
H 400mm



738
ZEDGE PRO
Bollard
H 400mm

738
ZEDGE PRO
Bollard
H 800mm

738
ZEDGE PRO
Bollard
H 1000mm

MR.BO

GENERAL INFO
Radial-emission bollard.
ø160mm
H 400mm – 800mm – 1000mm

LED
Chip on board
From 1427lm to 3817lm
2700K – 3000K – 4000K
Ra80

PRODUCT EFFICACY
Up to 47lm/W

OPTICS
90° - 90° + 90° - 180° - 360°

POWER SUPPLY
Electronic – DALI
Casambi control system available using a dedicated accessory (only for DALI version products).

MATERIAL
Powdered coated anodised die-cast aluminium body. Die-cast aluminium optical head. Ferrite finish.

ON DEMAND

- Easy Custom Colour
- 110-277Vac power supply
- Ra90
- 3500K
- Cataphoresis treatment

LED bollard specifically designed to light large open spaces.
Its mechanical characteristics (IK10) and performance make it possible to use it in every space.
The highly controlled radial emission avoids any risk of glare while still ensuring deep lighting in pedestrian areas.

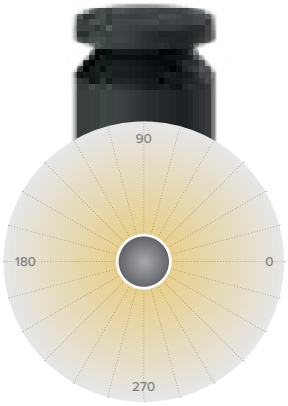
All versions have been designed to maintain the same level of lighting on the floor regardless of the combination of different versions used in the same project.

New accessory for the proper control of light pollution (0 cd/klm emission on angles equal or above 90°). On request it is possible to subject the product to cataphoresis treatment making it suitable to be installed near the sea (up to 5 metres) or in hostile environments.

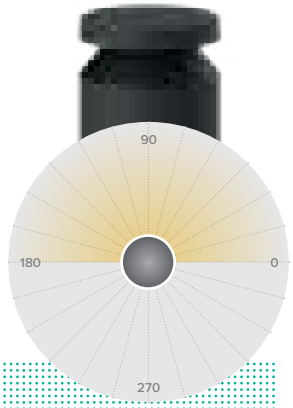
The entire range uses the “Waterblock Plus” technical solution that involves resin coating the connection cables and completely resin coating the integrated driver limiting the risk of humidity reaching the fixture.

Plus

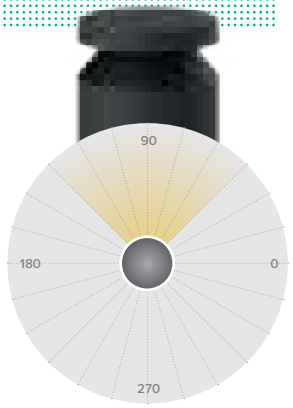
360°



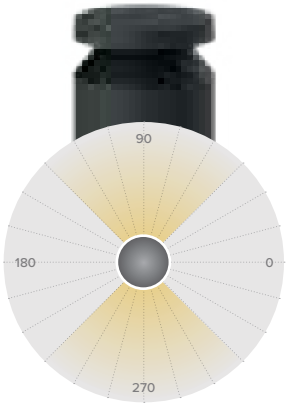
180°



90°

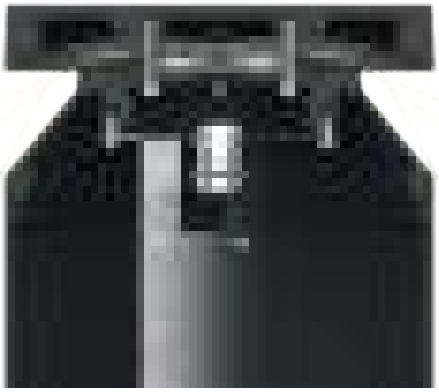


90°+90°

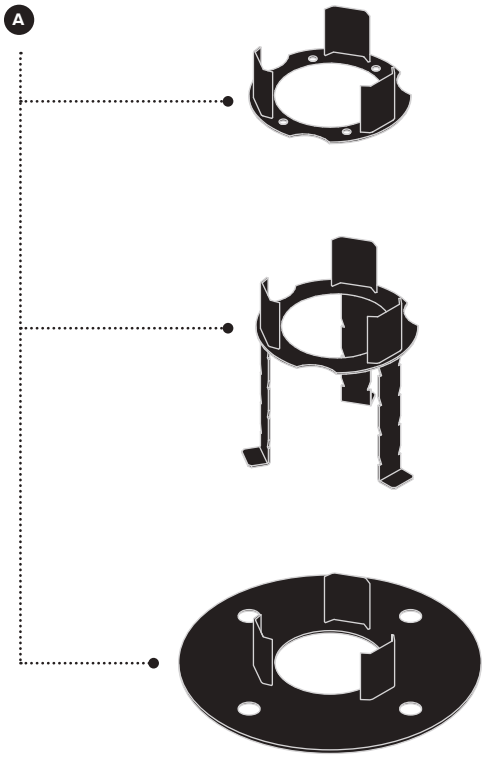


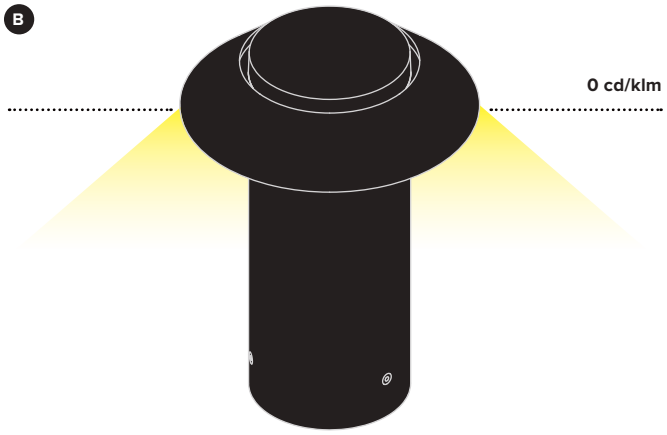
The fixture is made of three different elements

The fixture is composed of different elements that, combined together create various solutions. Four different optical units for four different radial emissions - from 90° to 360° - to be combined with poles available in three different heights 334mm, 734mm and 934mm and two different fixing systems.



400mm 800mm 1000mm



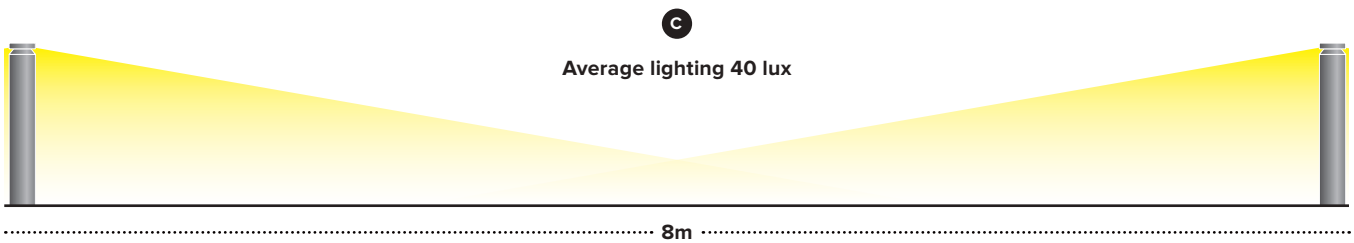


A **Fixing system**
There are 3 different installation systems available

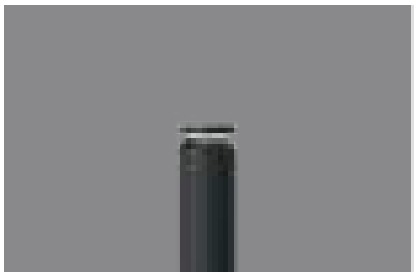
- a small plate for surface installation. The plate is not visible when it is installed in the ground
- plate for installation with fixing rods for installation in concrete
- a large plate for surface installation. The plate remains visible even when the product is installed.

B **Perfect control of light emission**
Thanks to the new accessory for the dark light control, Mr. Bo gurantees no light spill (0 cd/klm emission) for angles ≥ 90°, complying with international norms to control the light pollution. This makes Mr. Bo ideal especially for urban landscaping in public environments, where the prescriptions on light pollution are more strict.

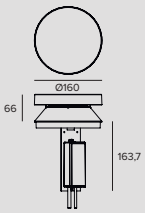
C **Excellent lighting performance**
The high quality optical system developed for Mr. Bo makes it possible to obtain an average lighting of 40 lux even with a distance of 8mt between fixtures.



MR.BO



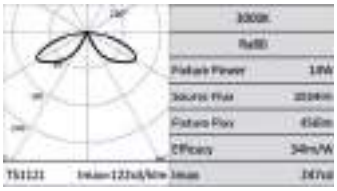
Optic head for bollard
H. 334mm



LED / 8W / 90°

Driver	Colour	2700K	3000K	4000K
EL.		**1E3428EL**	**1E3429EL**	**1E3430EL**
DALI		**1E3428DA**	**1E3429DA**	**1E3430DA**

LED / 12W / 90°+90°

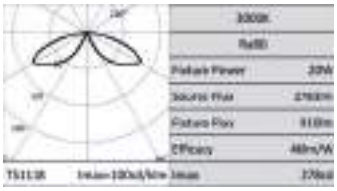


Driver	Colour	2700K	3000K	4000K
EL.		**1E3431EL**	**1E3432EL**	**1E3433EL**
DALI		**1E3431DA**	**1E3432DA**	**1E3433DA**

LED / 12W / 180°

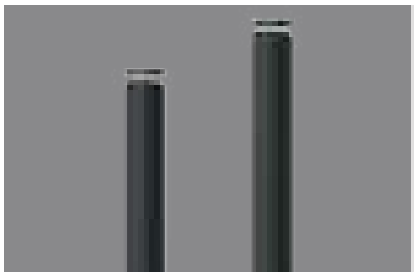
Driver	Colour	2700K	3000K	4000K
EL.		**1E3425EL**	**1E3426EL**	**1E3427EL**
DALI		**1E3425DA**	**1E3426DA**	**1E3427DA**

LED / 17W / 360°

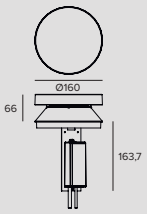


Driver	Colour	2700K	3000K	4000K
EL.		**1E3422EL**	**1E3423EL**	**1E3424EL**
DALI		**1E3422DA**	**1E3423DA**	**1E3424DA**

MR.BO



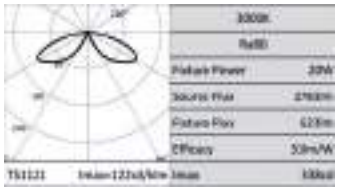
Optic head for bollard
H. 734/934mm



LED / 12W / 90°

Driver	Colour	2700K	3000K	4000K
EL.		**1E3416EL**	**1E3417EL**	**1E3418EL**
DALI		**1E3416DA**	**1E3417DA**	**1E3418DA**

LED / 17W / 90°+90°

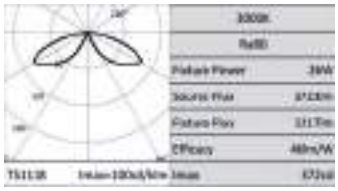


Driver	Colour	2700K	3000K	4000K
EL.		**1E3419EL**	**1E3420EL**	**1E3421EL**
DALI		**1E3419DA**	**1E3420DA**	**1E3421DA**

LED / 17W / 180°

Driver	Colour	2700K	3000K	4000K
EL.		**1E3413EL**	**1E3414EL**	**1E3415EL**
DALI		**1E3413DA**	**1E3414DA**	**1E3415DA**

LED / 24W / 360°



Driver	Colour	2700K	3000K	4000K
EL.		**1E3410EL**	**1E3411EL**	**1E3412EL**
DALI		**1E3410DA**	**1E3411DA**	**1E3412DA**

Note

Available with three different height poles - 334, 734 and 934mm - to be combined with the relative head available in four different versions - 360°, 180°, 90°, 90°+90° (the same code for the 800 and 1000mm, specific code for the 400mm). To be completed with a stainless steel anchoring system, available for the double version with a plate for installation with dowels or with fixing rods for installation in concrete.

MR.BO

Related codes

Bollard

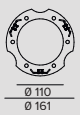
	Kg	H	Colour	Code
	1.34	334		**1E3434**
	2.95	734		**1E3435**
	3.8	934		**1E3436**

Powder coated anodised aluminium pole.

Mounting System

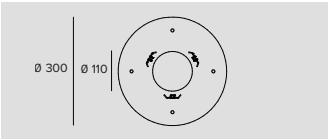
	Code
	1E3448

Plate with fixing rods for installation in concrete.
AISI 316 stainless steel.
0.34Kg.



	Code
	1E3449

Plate for surface installation (inside the pole).
AISI 316 stainless steel compatible with dowels to be inserted into holes with 8.5mm diameter.
0.68Kg.

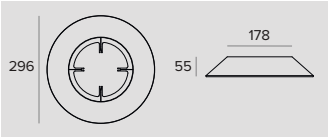


	Code
	1E3510

Plate for surface installation (outside the pole).
AISI 316 stainless steel compatible with dowels to be inserted into 4 holes with 22mm diameter.
1.10Kg.

Accessories

Dark Sky



	Colour	Code
		1E4036

Dark Sky optical accessory.
Reduces light spill above the horizon to 0 cd/klm, allowing the matching of national and international regulations on reduction of light pollution.
Made in stainless steel, allows a high resitance to both atmospherical agents and mechanical actions.
The accessory must be mounted outside the bollard MR. BO.

MR.BO

Connector

	Code
	1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

	Code
	1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Tool

	Code
	1E3305

(Tightening) wrench for the connector kit.

Control systems

	Code
	1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

ZEDGE BOLLARD

GENERAL INFO
Pathlight bollard
64x64mm H.400mm

LED
Linear boards
From 523lm to 666lm
2700K - 3000K - 3500K - 4000K
Ra80 - Ra90

PRODUCT EFFICACY
Up to 56lm/W

OPTICS
Floor Washer

POWER SUPPLY

24V version to be powered with an electronic 230V/24Vdc transformer available as an accessory and dimmable with the special accessory kit. Casambi control system available using a dedicated accessory (only with DALI dimmer).

MATERIAL
The body of the fixture are made of powder coated die-cast anodised aluminium.

ON DEMAND

Easy Custom Colour

Cataphoresis treatment

110-277Vac power supply

Suitable for lighting small walkways Zedge Bollard is the most compact bollard in the Zedge range developed in collaboration with the Gensler architecture and design firm. Fixtures with Floor Washer optics, allowing to light further from it maintaining the maximum visual comfort, are now available also in the new High Output version with high emission

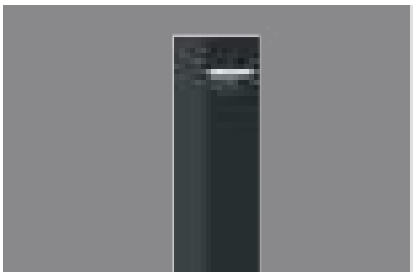
On request it is possible to subject the product to “Cataphoresis” treatment making it suitable to be installed near the sea (up to 5 metres) or in “hostile” environments.

The entire range uses the “Waterblock Smart” technical solution that involves resin coating the connection cables limiting the risk of humidity reaching the driver or the fixture.

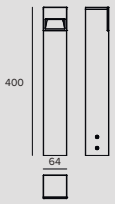
Zedge Bollard is available in a 24V version to be powered by a 230V/24Vdc electronic transformer accessory and can be dimmed using a special kit. It must be completed with a special fixing system.

Thanks to the special accessories even Zedge Pro can be installed in a bollard version for a high performance solution capable of adapting to different needs.

ZEDGE



Bollard



LED / 3,9W / FLOOR WASHER

Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	●	**1E3736**	**1E3737**	**1E3738**	**1E3739**

LED / 3,9W / FLOOR WASHER HO

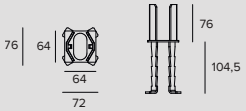
Power supply	Colour	2700K	3000K	3500K	4000K
24Vdc	●	**1E3896**	**1E3897**	**1E3898**	**1E3899**

Note

Floor Washer HO Ra90 version: to order this version it is necessary to add the suffix “90” at the end of the standard code (Ra80).

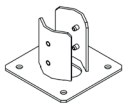
Related codes

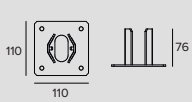
Mounting System



Code
1E3740

AISI 316 stainless steel plate with fixing rods for installation in concrete.





Code
1E3741

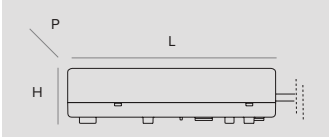
AISI 316 stainless steel plate for surface installation.
Can be used with 1E3450 fixing rods.

Code
1E3450

Fixing rods for installation in concrete.
AISI 316 stainless steel.
For Zedge Pro Bollard installation (+1E3437, 1E3438, 1E3439).
For Zedge Bollard installation (+1E3741).
H=143mm.

ZEDGE

Power Supply



Dimensions LxHxP	W	Power supply	Output voltage	IP	Code
79x25x38	10W	220-240Vac	24Vdc	IP67	**1E3179**
130x32x80	75W	220-240Vac	24Vdc	IP67	**1T3586**
230x87x43	100W	220-240Vac	24Vdc	IP67	**1T3587**
238x42x67	200W	220-240Vac	24Vdc	IP67	**1T3588**

Electronic power supply.

Dimensions ØxH	W	Power supply	Output voltage	IP	Code
98x78	max 20W	220-240Vac	24Vdc	IP68	**1E0993**

Electronic power supply.

Accessories

Connector

Code
1E2769

Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm^2.
Cable diameter range from 7 to 12mm.

Code
1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm^2.
Cable diameter range from 6 to 12mm.

Code
1E2493

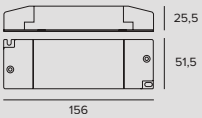
Linear connection box IP68.
4 poles max. wire section 2.5mm^2.
Cable diameter range from 7 to 12mm.

Tool

Code
1E3305

(Tightening) wrench for the connector kit.

Control systems



	Code
	1T6581

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20

	Code
	1E3048

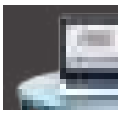
A IP67 Module for individual control of external devices equipped with DALI drivers.
The module needs to be positioned in order to receive radio signals.
The distance to the lighting fixtures can reach up to 50m.
Wireless control via the Casambi application.
LxHxP=56.5x22.3x35.8mm.

	Code
	1E3049

IP67 Extender for wireless control of DALI fixtures.
It generates a local DALI bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in outdoor applications via the Casambi application.
LxHxP=150x40x148mm.

Light Management System

806
TARGETTI
CONTROL



818
DMX SYSTEM

Light Management System

How we control our fixtures

Dali

The fixture is equipped with a driver that provides a connection to a BUS DALI system for overall management of the system.

DALI is the acronym for “Digital Addressable Lighting Interface”, an international standard protocol compliant with IEC EN 62386 that guarantees the interchangeability of dimmable electronic power supplies from different manufacturers. It is used in building automation. It can be used for medium-sized and large projects and entails a preventive design with special cable routing.
Many fixtures in the Targetti collection have DALI drivers and are therefore compatible with home automation systems that integrate lighting into building automation.

Targetti Control powered by Casambi

Fixtures are controlled via wireless or Bluetooth by a smartphone or a tablet without the need for any other hardware. For Casambi on board fixtures or those equipped with DALI drivers.

LMS is the Targetti home automation lighting control system that makes it possible to manage lighting systems in wireless mode. Designed for both the consumer and professional markets LMS is the result of a combination of components from Casambi, a leading company producing wireless lighting control solutions, and Targetti light fixtures. As one of the first to apply this type of control system along with Casambi we later developed ad hoc components (Extender) that make it possible to control several DALI fixtures in wireless mode.

Dimm on board

The fixture is dimmed using a commutator located inside it.

The simplest system for dimming light fixtures. A commutator inside the fixtures makes it possible to intervene manually and regulate the intensity of the light emission to modulate the light according to actual project needs.

DMX

RGB and RGBW fixtures are controlled using a DMX protocol. Software and touch screen interfaces are available to manage and create static and dynamic lighting scenes.

Targetti Control

Powered by Casambi

LMS is the Targetti wireless home automation system that can manage even the most complex lighting systems. Designed for the consumer and the professional market, LMS is the result of the combination of components from Casambi - a leading company producing wireless lighting control solutions - and Targetti light fixtures.

iOS and Android apps

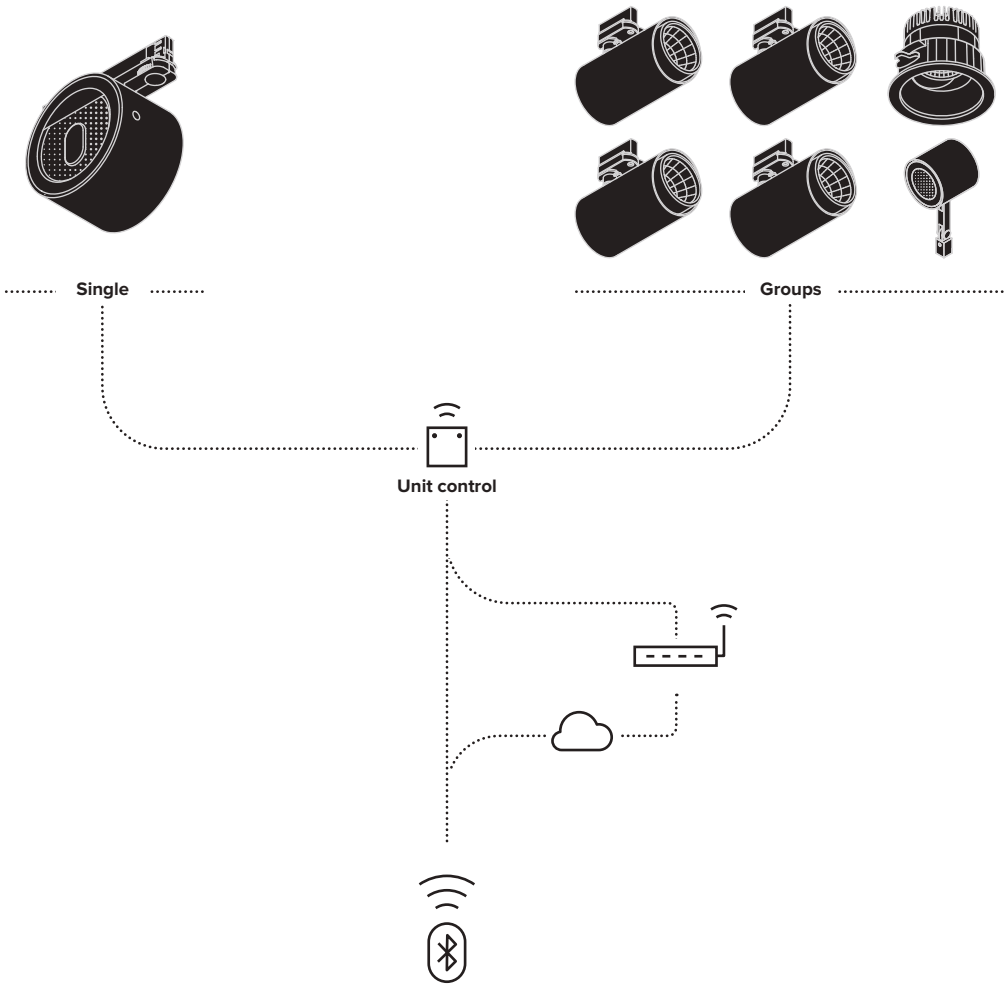
Thanks to the intuitive simplicity of the app developed by Casambi for iOS and Android, LMS ensures system operational readiness. You just need a phone or another mobile device and anyone can create and manage a lighting network singlehandedly by controlling every fixture individually or in groups depending on the needs and the functions required. Managing the system using a standard handset is also made possible with the use of specific accessories.

Extreme usability

The ease of use and programming of the system makes it easy to manage without the use of special control units or assistance from specialised technicians. The application recognises and associates the Targetti fixtures that are installed in the space automatically by using the BLE (Casambi Bluetooth Low Energy) proprietary protocol to communicate with the various fixtures. No Internet connection is necessary except for synchronisation functions or remote access.

Mesh self-healing network

LMS allows the final user to generate adaptive and multipoint networks: “adaptive” because every fixture can work as a buffer for all the others, adapting automatically to various contexts to optimise control signal propagation; “multipoint” because you can connect up to 127 fixtures on each network without any limit on the number of networks. The result is strong, reliable and affordable networks that manage the system, the profiles of individual fixtures and access rights.



Installation sequence

1. Choose Targetti fixtures by opting for the Targetti Casambi Ready package or Casambi accessory components
2. Download the Casambi iOS or Android App depending on the device used
3. Launch the App: the fixtures in operation will be detected automatically
4. Create one or two networks depending on the characteristics of the environment
5. Create groups of devices as needed
6. Program scenes and/or sequences.
7. Set the level of network sharing

TC — Functions

Control Type

Casambi control can be done using:
- Buttons and switches (manual control)
- App (manual digital control)
- Sensors and timers (automatic digital control)

Grouping

Different fixtures can be grouped together to be managed all together or individually. Grouping is easy and the same as grouping apps on smart devices.

Scenes

It is possible to:
- create lighting scenes for different occasions;
- manage several fixtures with just one touch to create the perfect atmosphere for specific needs;
- Use the same fixture in different scenes.

Tunable control

Casambi provides complete colour temperature control for those permitted in the range for LED sources. Just swipe your finger over the icon for the source to change the colour temperature.

Animation

It is possible to create dynamic scenes with fades from scene to scene. Animated scenes can be recalled again or repeated as required. It is possible to set both the duration of each scene and fade times between scenes.

Gallery

The exclusive gallery function makes control intuitive. Taking a photo of an environment or uploading a floor plan on the app it is possible to mark the fixtures and then recall them. Images are saved in a special gallery on the app with the fixtures displayed. Users only have to touch the ones they want to manage.

Gateway

With the gateway function it is possible to access a Casambi network remotely. Casambi enabled fixtures can be managed and network settings (administration rights required) can be changed. To enable the remote access feature, an iOS or Android device must act as a gateway on the Casambi network.

Adaptable

The Casambi system is adaptable to both simple as well as more complex projects. It is based on the possibility to create an unlimited number of networks that can be turned on and off.

Calendar

With the calendar and timer function it is possible to activate and deactivate scenes and animated scenes based on parameters such as: timetables, weekly scheduling, seasonality etc. This makes it possible to meet the needs of different users and the environments to be lit. All Casambi units keep track of time.

Casambi Accessories

External accessories with simple electric cables make it possible to control Targetti fixtures in wireless mode. For a clear and easy choice for the correct accessories, please refer to the explanatory table on page 808 that shows:

- An alphabetical list of the Targetti fixtures that are compatible with Casambi accessories
- Product variants that are compatible with Casambi accessories (only some variants of the same product can be controlled by the LMS system)
- Compatible accessories (descriptions and technical characteristics are listed below)
- Wiring diagram

Gateway DALI/Casambi available that allows fixtures fitted with mesh Bluetooth Casambi technology to interface with a traditional DALI system and to be adjusted by a DALI control unit. For further information seethe website.

Control module IP20 - DALI — 1T5349

A wireless control module with a DALI interface. It generates a local DALI bus which makes it possible to connect a LED driver directly to a DALI interface. The module can only be used in a closed system and cannot be connected to an existing DALI network. The module is wireless controlled using a CASAMBI app for smartphones and tablets using Bluetooth 4.0 technology. The devices create an adaptive, secure and reliable wireless mesh network that can control a large number of fixtures in a simple and efficient way. IP20.

Power supply	220-240 VAC
Power	1,1W - PF 0,6
Max current	0,6 Amp AC
Max n. DALI driver	1
Max n. 1-10v driver	1
Dimensions	56.5x22.3x35.8mm
Exit	1-10V / DALI

Dimmer wireless Bluetooth — 1T7944

Wireless Bluetooth Dimmer capable of handling constant voltage loads of 12V or 24V subdivided into 4 channels with PWM output. This dimmer must be connected between the 12V or 24V power supply and the constant voltage LED module. The maximum total current that can be supplied by the control unit is 6A (equivalent to a total of 144W) that can be divided between the 4 outputs. Compatible with Minimercure RGB and Micromercure.

Power supply	12/24 VDC
Power	144W (24V)
Max current	72W (12V)
Max n. DALI driver	
Max n. 1-10v driver	
Dimensions	72,6x18x30mm
Exit	PWM

Xpress — 1T5350

Xpress is a wall mounted wireless user interface; it can be installed wherever the user chooses thanks to battery power with autonomy of 2-3 years providing direct access to all the most important CASAMBI system control functions. As well as switching the fixtures on and off, Xpress controls dimming, colour temperature change in fixtures equipped with this technology, and control of individual fixtures and lighting scene or sequence management.

Bridge DALI/Casambi — 1T8173CA

A fixture that allows fixtures equipped with mesh Bluetooth Casambi to interface with a traditional DALI system and to be adjusted by a DALI control unit. Inside the usual DALI circuit it is possible to have a maximum of 64 cabled DALI and Casambi wireless devices. It only works with Casambi Evolution networks. The DALI Bridge is transparent in the DALI system, and therefore does not require an address. There is no need for a power supply given that it is supplied directly by the DALI bus.

Dimensions	40,4x14x36,3mm

Trailing Edge dimmer IP20

1T5351

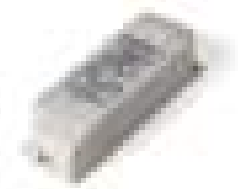
A Wireless Trailing Edge / IGBT dimmer managed using Bluetooth 4.0 technology. It works with LED 230 V-AC modules, dimmable LED sources and halogen lamps. It can be installed inside a standard 503 wall switch box, lighting fixtures or ceiling canopies. It can manage systems with a maximum absorption of 150W. The module is wireless controlled using a CASAMBI app for smartphones and tablets or traditional wall switches. IP20

Power supply	85-240 VAC
Power	0,3W - PF 0,35
PMax power fixtures*	
Dimensions	37x41x14mm

*Consultare le istruzioni di montaggio

Extender IP20 - DALI

1T5352



Extender IP20 allows for wireless control with a DALI interface.
It generates a local DALI bus with the capacity to drive up to 64 fixtures and can control groups of fixtures in indoor applications. It is also equipped with a relay that can control non-dimmable fixtures up to
a maximum of 6A. It prevents any change to the management features provided by the CASAMBI system.

Power supply	100-240 VAC
Power	2,7W - PF 0,6
Max current	6 Amp AC
Max n. DALI driver	64
Max n. 1-10v driver	30
Dimensions	129x30x42mm

Control module IP67

1E3048

A IP67 Module for individual control of external devices equipped with DALI drivers. The module needs to be positioned in order to receive radio signals. The distance to the lighting fixtures can reach up to 50m.

Power supply	220-240 VAC
Power	1,1W - PF 0,6
Max current	0,6 Amp AC
Max n. DALI driver	1
Max n. 1-10v driver	1
Dimensions	120x65x30mm

Extender IP67

1E3049

A IP67 Extender allows for wireless control with DALI interfaces.
It generates a local DALI bus with the capacity to drive up to 64 fixtures and can control groups of fixtures in outdoor applications. It prevents any change to the management features provided by the CASAMBI system.

Power supply	100-240 VAC
Power	2,7W - PF 0,6
Max current	6 Amp AC
Max n. DALI driver	64
Max n. 1-10v driver	30
Dimensions	150x150x40mm

Unità di controllo IP20 - DT8

1T5349DA8

Wireless control unit for DALI8 fixtures.
It generates a local DALI8 bus that can control individual fixtures.
The module can be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 4.0 technology.
The devices create a wireless mesh network that can control up to 128 fixtures.
IP20.

Dimensions	56,5x22,3x35,8mm

Extender IP20 - DT8

1T5352DA8

IP20 Extender for wireless control of DALI8 fixtures.
It generates a local DALI8 bus with the capacity to drive up to 64 fixtures.
Can control DALI fixtures in indoor applications via the Casambi application.
It is also equipped with a relay that can control non-dimmable fixtures up to a maximum of 6A.

Dimensions	129x30x42mm

Synoptic table of Casambi accessories

PRODUCT	VARIANT	1T5349 Control module IP20	1T5351 Trailing edge dimmer IP20	1T5352 Extender IP20	1E3048 Control module IP67	1E3049 Extender IP67	DIAGRAMS Pag. 812/813
BEBOP RECESSED	DALI Version	●		●			**01 - 04**
CARTESIO	DALI Version			●			**04**
CCTEVO ARCHITECTURAL	DALI Version	●		●			**01 - 04**
CCTEVO DOWNLIGHT*	DALI Version	●		●			**01 - 04**
CCTEVO GIMBAL	DALI Version	●		●			**01 - 04**
CCTEVO EXTRACTABLE	DALI Version	●		●			**01 - 04**
CCTEVO WW	DALI Version	●		●			**01 - 04**
CCTLED PENDANT	DALI Version	●		●			**01 - 04**
CCTLED TUBE	DALI Version	●		●			**01 - 04**
CORO	With DALI driver	●		●			**01 - 04**
DART MAXI	DALI Version				●	●	**05 - 06**
DART MEDIUM	DALI Version				●	●	**05 - 06**
DART SMALL	DALI Version				●	●	**05 - 06**
FEBO EVO	DALI Version				●	●	**05 - 06**
FLOOD	DALI Version	●		●			**01 - 04**
FORTYEIGHT LABEL 48V	DALI Version			●			**04**
FORTYEIGHT LOGICO 30	DALI Version			●			**04**

*The CTC versions of the CCTEVO Downlight can mount the following Casambi accessories: 1T5349DA8 and 1T5352DA8.

PRODUCT	VARIANT	1T5349 Control module IP20	1T5351 Trailing edge dimmer IP20	1T5352 Extender IP20	1E3048 Control module IP67	1E3049 Extender IP67	DIAGRAMS Pag. 812/813
GLOBO	Halogen max 150W		●				**03**
HALL	DALI Version	●		●			**01 - 04**
ISO	DALI Version	●		●			**01 - 04**
JEDI	DALI Version				●	●	**05 - 06**
JEDI RECESSED	DALI Version				●	●	**05 - 06**
JEDI COMPACT IP40	DALI Version	●		●			**01 - 04**
JEDI COMPACT IP67	DALI Version				●	●	**05 - 06**
JEDI COMPACT IP67 RECESSED	DALI Version				●	●	**05 - 06**
JUPITER	With DALI controller				●	●	**05 - 06**
JUPITER PRO	With DALI controller				●	●	**05 - 06**
KEPLERO	DALI Version				●	●	**05 - 06**
LABEL 230V	DALI Version	●		●			**01 - 04**
LEDÒ	DALI Version			●			**04**
LOGICO	DALI Version	●		●			**01 - 04**
MR. BO	DALI Version				●	●	**05 - 06**
MR. SMITH					●	●	**05 - 06**
MRS. SMITH					●	●	**05 - 06**

Synoptic table of Casambi accessories

PRODUCT	VARIANT	1T5349 Control module IP20	1T5351 Trailing edge dimmer IP20	1T5352 Extender IP20	1E3048 Control module IP67	1E3049 Extender IP67	DIAGRAMS Pag. 812/813
OMEGA	DALI Version	●		●			**01 - 04**
OSIRIDE			●				**03**
OZ STAND ALONE CEILING	DALI Version	●		●			**01 - 04**
OZ STAND ALONE RECESSED	With DALI driver	●		●			**01 - 04**
PROFESSIONAL			●				**03**
RAY	DALI Version			●			**04**
STORE GIMBAL	DALI Version	●		●			**01 - 04**
STORE	DALI Version			●			**04**
T-PANEL	DALI Version	●					**01**
THREESIXTY	DALI Version	●		●			**01 - 04**
VOLTA	With DALI driver				●	●	**05 - 06**
ZEDGE	With DALI controller				●	●	**05 - 06**
ZEDGE LINE	DALI Version				●	●	**05 - 06**
ZEDGE PRO	DALI Version				●	●	**05 - 06**
ZENO APPLIQUE	DALI Version	●		●			**01 - 04**
ZENO SMALL EXTRACTABLE	DALI Version	●		●			**01 - 04**

Salone dei Cinquecento – Palazzo Vecchio
Firenze, Italy

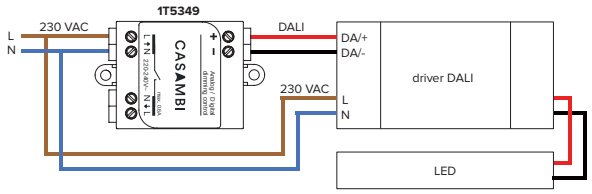
Photographer Ivan Rossi

Wiring diagrams

01

1T5349

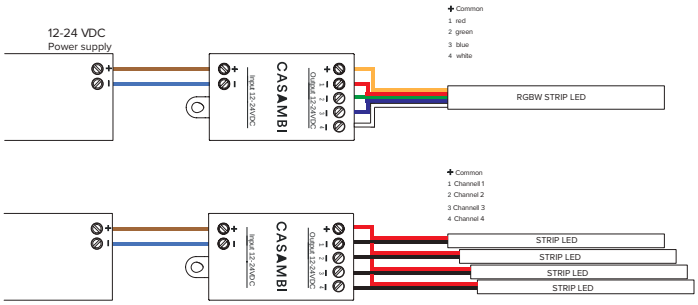
Single DALI control IP20



02

1T7944

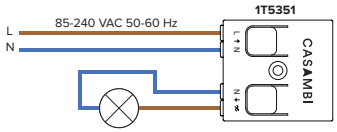
CASAMBI control, 1-4 channels IP20



03

1T5351

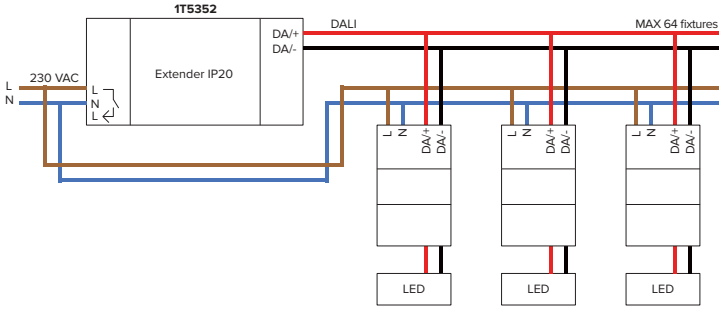
Single Trailing Edge control for LED 230 V-AC Modules, dimmable LED sources and halogen lamps - 12V and mains voltage (IP20)



04

1T5352

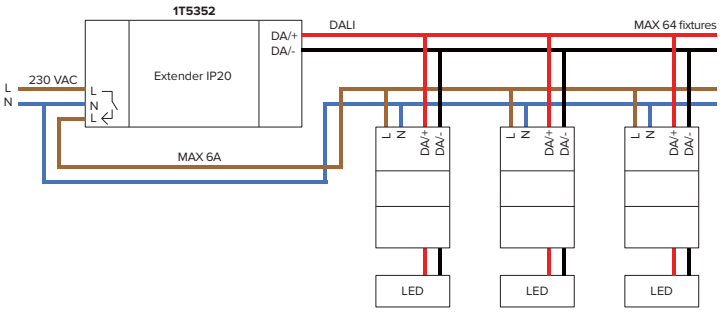
DALI multiple control IP20



04

1T5352

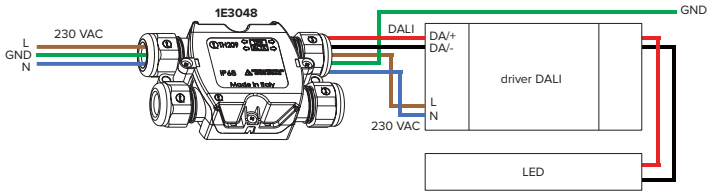
DALI multiple control with relay IP20



05

1E3048

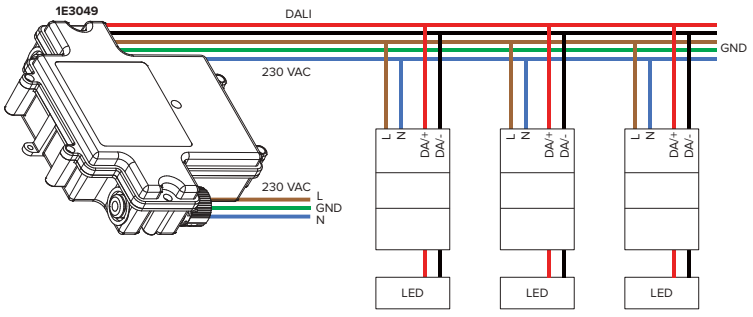
DALI single control IP67



06

1E3049

DALI multiple control IP67

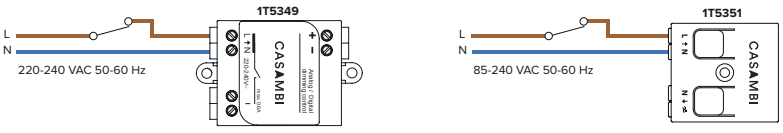


07

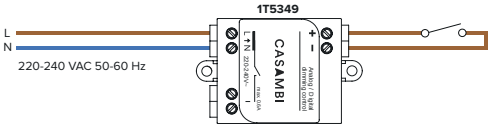
1T5349-1T5351

Diagram for use with wall mounted push button

normally closed



normally open



DMX

Control system for DMX, Tunable White RGB and RGBW fixtures

For programming and control RGB and RGBW fixtures use the DMX 512 digital protocol, the most widespread and proven standard for smart light control. This allows for complete compatibility with other fixtures on the market and makes a wide variety of accessories available at a reasonable cost.

Fixture power supply

LED RGB and RGBW fixtures need special power supplies with PWM (Pulse Width Modulation) technology that makes it possible to regulate the light intensity separately of primary colours.
In larger RGB and RGBW products the electronic power supply is always combined with the one used for dynamic control (DMX); in this case the fixtures are self-sufficient and defined as "smart"; smaller fixtures on the other hand require an external device called a SECS BOX that can power and control several fixtures at the same time.
RGB fixtures and drivers are compatible with the DMX control protocol and are fitted with a dip-switch for address programming and operating modes. RGBW fixtures are compatible with the DMX – RDM protocol that allows for remote programming via the data line.

Automatic operation

To programme colour-changing light scenarios an external device is usually needed.
Thanks to the "Easy-Run-Menu" function the so called "intelligent" RGB fixtures and the SECS drivers can operate automatically performing dynamic colour sequences without any external controller. Through internal dip-switches it is possible to select among 16 different chromatic sequences:
- 8 static colour scenarios
- 8 dynamic colour sequences
- 5 different playback speed values (30sec, 80sec, 160sec, 320sec, 740sec).

"Master/slave" - Configuration

RGB Fixtures can be configured in a master/slave configuration where a virtually unlimited number of fixtures is controlled by a main one. In case of "non intelligent" fixture the master/slave configuration is achieved through a SECS BOX.

SECS 75/36

Power supply and Control System SECS Scene Effect Control System

SECS 75 and SECS 36 drivers combine, in a single unit, the following 3 functions: power supply of RGB LED devices, playback of pre-set colour sequences and DMX interface for external control devices. The SECS "Easy-Run-Menu" function allows to playback of colour-changing light scenarios that are pre-stored into the driver, without the use of any external driver:

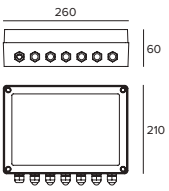
- 8 static colour scenarios;
- 8 dynamic colour sequences;
- 5 different playback speed values;
- Start/Stop of the selected scenario through a remote switch.

SECS 75 and SECS 36 drivers can also be controlled through DMX 512; in this case:

- DMX address (from 1 to 511) can be configured by using dip-switches;
- 3 channels mode: all R-G-B outputs are controlled simultaneously by 3 DMX channels only;
- 6 channels mode: the outputs are divided in 2 R-G-B groups, each one controlled by 3 different DMX channels;
- DMX line termination: SECS drivers contain a 120Ohm resistance which can be activated using a dip-switch;
- a DMX output is available for connection to other DMX devices.

SECS 75 **1E1401**

1,5 IP67



Output 75W

Power supply: 100-240 VAC, 50-60 Hz with automatic adjustment and short circuit protection

Max. output power: 75W

Output voltage: maximum 24 VDC

Driving current can be selected using dip-switches: 350 mA (for 1W leds) or 700 mA (for 3W leds)

Controllable led devices: RGB led with common anode (+24 VDC, 4 wires) and power RGB led (1-3W, 6 wires)

Led control mode: Pulse Width Modulation (PWM)

Resolution: 8 bytes with 256 levels equal to 16.770 million colours

Digital interface: RS485 with opto-isolator and integrated buffer, compatible with USITT DMX 512 (1990) protocol

Input: socket for DMX signal, over-voltage protection

Outputs (modular terminal boards) that can be used simultaneously:
- 2 outputs for constant voltage led devices
- 2 outputs for constant current
- 1 DMX output (over-voltage protection)

Operating configuration: through dip-switches

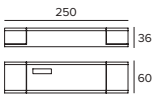
Internal diagnostics: led signalling correct or erroneous DMX connection

Firmware updates: by PC using DMX input

Operating temperature: -20° +50°C

SECS 36 — 1T2245

1,25 IP20



Output 35W

Power supply: 90-240 VAC, 50-60 Hz with automatic adjustment and short circuit protection

Max. output power: 35W

Power factor 0.9 (PFC)

Led control mode: Pulse Width Modulation (PWM)

Output voltage: maximum 30 VDC, SELV

Driving current 350 mA

Controllable devices: power RGB led (1-3W, 6 wires), 9 LED for colour max

Resolution: 8 bytes with 256 levels equal to 16.770 million colours

Digital interface: RS485 with opto-isolator and integrated buffer, compatible with USITT DMX 512 (1990) protocol

Input: socket for DMX signal, over-voltage protection

Outputs:
- 2 outputs for constant current LED devices
- 1 DMX output with over-voltage protection

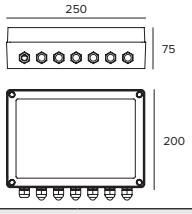
Operating configuration: through dip-switches

Internal diagnostics: led signalling correct or erratic DMX connection

Operating temperature: -20° +50°C

Optosplitter — 1T2266

0,85 IP66



4 ch

Device that has to be used for splitting a DMX 512 line to create up to four new branches, each fully optoisolated from the others. Optical isolation of each line increases transmission reliability, since it eliminates any possibility of ground looping.
OptoSplitter 4ch also amplifies the DMX signals in output; this permits extending the transmission length to the maximum recommended by the DMX standards; each of the new DMX lines may be used as an independent line and each can handle up to 32 devices (not buffered). The fixture is not RDM compatible.

Power supply: 100-240 V AC, 50-60 Hz input (built-in)

Power consumption: 5W

Main switch for switching the device ON/OFF

Input: 1 input for DMX 512 - USITT 1990 signal

Outputs: 4 optoisolated, amplified DMX 512 outputs (3 kV), 1 amplified output for daisy-chain connection

Connectors: modular terminal blocks inside the housing

DIP switch: for inserting terminal resistor at end DMX line

Protection classification: IP66

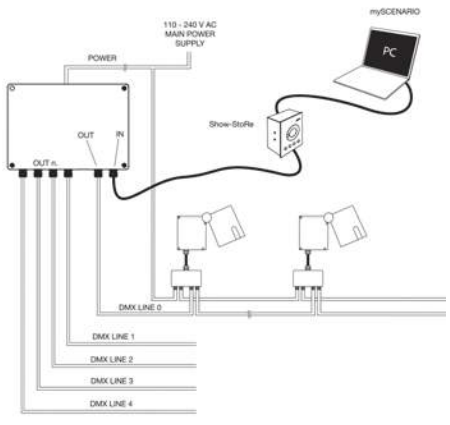
Housing: Plastic material with input and output cable glands, Complete with 1.5-meter power cord

Ambient temperature for operation: -20°C to +50°C

Dimensions: 250 x 200 x 75 mm

Feeding cable

6-pole cable for driver output connection to Constant Current LEDs	1E1713
Standard DMX cable (1 twisted pair + shield, 120Ohm)	1T1932



Schema tipico di collegamento

Dmx 512 Wireless technology

DMX Wireless technology can be transmitted the control signal to the lighting fixtures, without cables. Transmission is handled by a radio transmitter operating on a reserved frequency that is license-free worldwide.

It is able to transmit a signal:
- from one building to another;
- from a central control room to multiple installations in different positions, distant the ones from the others;
- from the inside of a building to the exterior, the facade, the roof, or a surrounding;
- in archaeological contexts in which digging trenches for laying.

A DMX 512 Wireless system requires that the control unit be equipped with a radio transmitter (external or built-in) and that a radio receiver is available in proximity to each DMX device or group of fixtures.

The product range includes a series of devices/fixture incorporating DMX 512 Wireless technology, having the following characteristics in common:

- the signal is transmitted via radio, using a protocol and components derived from the GSM mobile telephony standard;
- the frequency used is FCC approved and is license-free throughout the world, including Japan and the USA;
- the devices apply FHSS (Frequency Hopping Spread Spectrum) technology;
- installation is the “plug-and-play” type; that is, there is no need to attribute IP addresses to the fixtures, which automatically recognize the transmitter by which they are controlled;
- the radio signal can be transmitted in a range up to 500 meters (1700 feet) in free space and through material such as walls, glass, and metals;
- multiple transmitters may be used in the same area because they can be individually to control a single group of fixtures without creating reciprocal interference;
- the fixtures are not RDM compatible.

Wireless optosplitter — 1E1906

IP66

4 ch with Wireless receiver

A device that operates as a radio receiver with up to 4 wired DMX lines in output.

Technical feature of this unit are identical to the ones of the normal Optosplitter with the following additional features:
Built-in radio receiver module
Built-in antenna
RLS (Radio Link Status) monitoring system and LOG command (for transmitter linkage)
Built-in power supply for all components, including radio section
Protection grade: IP65
Not RDM compatible

Wireless dmx - Transmitter — 1E1929

0,2 IP66

Transm. with 1 DMX input

This device receives a DMX-IN signal via cable. It can be installed at any point in a DMX line and from that point on it transmits the signal via radio. For example, connecting the device directly to the output of any DMX512 controller transforms it into a wireless controller. Not RDM compatible.

Built-in radio module transmitting on the 2.45 GHz license-free radio frequency
One radio output with external antenna
Capability to control a DMX universe and to address individually 512 radio receivers
RLS (Radio Link Status) LED system for monitoring quality of DMX transmission
LOG key for secure receiver linkage
Transmission range: 50S0 meters in open air
Built-in power supply: 90-250V AC, 50/60 Hz
Housing in plastic material, for outdoor use (IP65)
Dimensions: 175 x 125 x 76 mm.

mySCENARIO

Systems of digital devices designed to control dynamic lighting fixtures and to programme dynamic light scenarios and sequences.

The system consists of an intuitive software, compatible with Windows operating systems, able to control different hardware devices having the following functions:

- recording colour-changing scenarios set by the operator;
- rallowing the selection among the multiple scenarios recorded;
- rtransmitting the control signals to the lighting system.

The software is interfaced to the PC through a USB port; the interface with lighting fixtures is featured through a DMX 512 output.

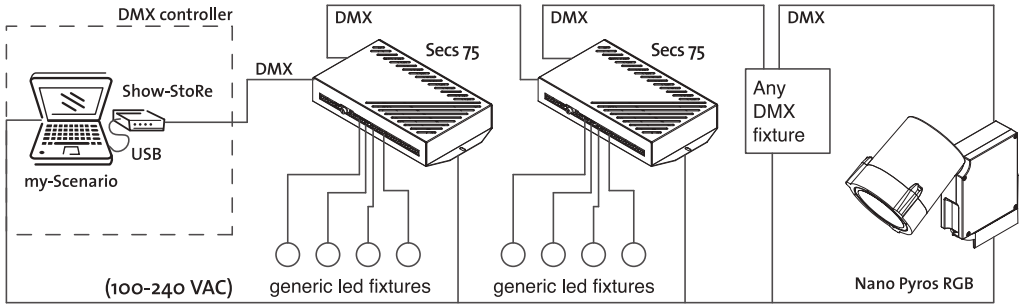
The software provides a graphic simulation of the operating keys of lighting controller; the patching function allows to assign the DMX control channels to the fixtures by using the internal library.

The Colour Manager function allows a quick and intuitive programming of a RGB light show, consisting of several steps with assigned duration and fading times. The built-in calendar allows a full time scheduling of show playback (month, day, hour, minutes, recurring events). The programmed light shows can be transferred to the different control interfaces.

mySCENARIO show store **1T1898**

Software + USB interface
Storage, via USB, of light-shows created through mySCENARIO software
Automatic stand-alone operation with non need of a PC or any other external driver
Keys for scrolling through programmed sequences
Digital display to show the number (1-99) of active scene
Led indicators for ON/OFF status
Three poles XLR output – DMX signal to lighting fixtures
XLR input for daisy chain connection to other identical unit
Management of 512 DMX channels (512 parameters to be programmed separately)
Memory dedicated to light shows proportional to number of connected channels (2877 with 20 channels; 2877 with 60 channels; 355 with 512 channels)
Internal clock for sequences triggering

Typial wiring layout

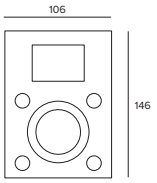


mySCENARIO Wall

DMX controller with a glass touch sensitive screen for architectural applications.

- It can control two different DMX universes (2x 512 channels).
- Stand alone function or connected to a computer using a USB port.
- Software for creating scenarios (that can be downloaded from the Targetti website) is included.
- It can manage 10 different lighting zones and 50 scenarios per zone.
- The touch keys on the front make it possible to modify and recall programmed scenarios.
- USB cable included.
- To be used with all RGB and RGBW products.

mySCENARIO Wall **1T6499**



Power supply	6 Vdc
Output	4W
Memory	SD card
DMX Channels	2 x 511
Operating system	Windows 32/64bit
Dimensions	146 x 106 x 11 mm

USB-RDM Programmer code

DMX-RDM (Remote Device Management) address planner.

Used with the “RDM Targetti” software that can be downloaded for free from the Targetti website download section.

To be used with all RGBW products.

USB – RDM **1E2767**

Technical data

Flicker

We spend the majority of our time exposed to artificial lighting. The quality of the effect, even in terms of stability of the light is therefore an indispensable requirement for a light fixture. Flicker is defined as “rapid variations in intensity over time of a light source”; in particular, those belonging to the frequency range of between 0-80Hz.

However, when fluctuations belong to the frequency range of between 80Hz-2KHz these are called “Stroboscopic effects” in which fluctuations in brightness produce a misperception of the movement of lit objects by a static observer.

This phenomenon has become increasingly important following the introduction of LED sources for general lighting due to a combination of the following factors:
These fluctuations in light intensity, according to the frequency, intensity, viewing angle, level of light in the environment, age of the observer and their sensitivity level, can be perceptible on a conscious and/or unconscious level and generate a series of side effects depending on the sensitivity level such as headaches, visual fatigue, distraction etc.

In order to mitigate the risks on health in lighting contexts using LED sources on a European level Technical Reports IEC TR 61547-1 and IEC TR 63158 have been developed.

1. **LED sources are characterised by a high speed response to fluctuations in the power supply which result in variations of the light emitted.**
2. **Unwanted residual fluctuations of the driving current generated by the electronic power supplies used.**
3. **Modulation of the driving current of LED sources for example PWM (Pulse Width Modulation), necessary to adjust the emission level.**
4. **Any instability in the operation of dimmers connected externally to the LED source power supplies.**

The Targetti approach to the Flicker phenomenon

Fixtures with the Safe Flicker logo in the catalogue and on data sheets have parameters below the minimum visibility threshold $P_{ST}^{LM} \leq 1$ and SVM≤1 (IEC TR 61547-1 and IEC TR 63158).

1

PstLM
(Short-Term flicker)

Quantifies visible Flicker that is harmful to human health caused by the modulation of light in the frequency range of between 0.3Hz and 80Hz.

The recommended threshold is $P_{ST}^{LM} = 1$

Note - This value was determined based on a representative test group of people and identifies the average perception threshold of visible flicker.

2

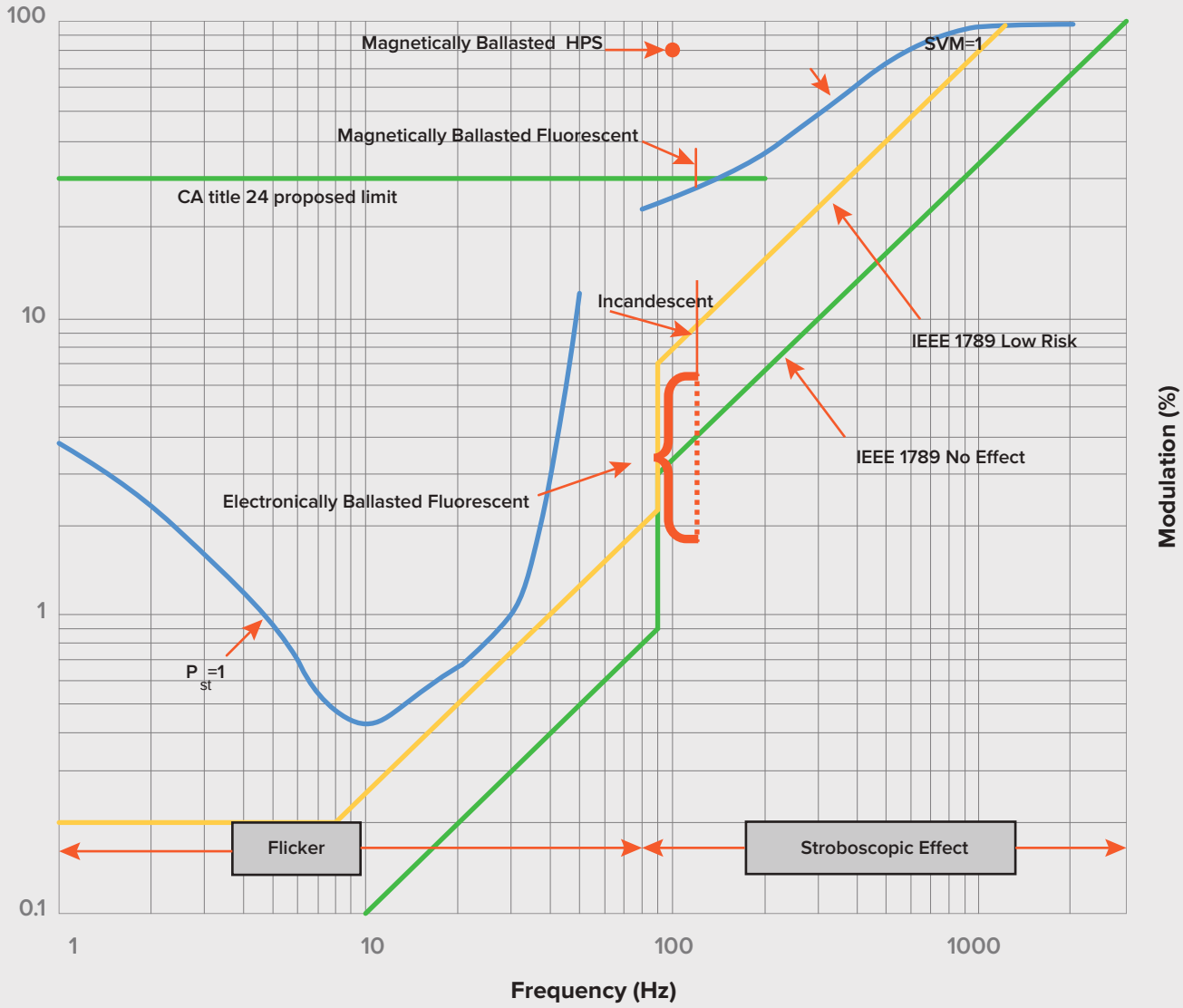
SVM
(Stroboscopic Visibility Measure)

Quantifies stroboscopic effects that can occur in situations relating to objects in movement in the presence of modulation of light in the frequency range of between 80Hz and 20KHz.

SVM=1 represents the visibility threshold in a test group of people that quantifies the stroboscopic effect in defined laboratory conditions.

Fixtures that do not have the Safe Flicker logo on the data sheet on the other hand show the flicker value declared by the driver manufacturer which is not determined according to IEC criteria. Constant renewal of drivers will bring about the introduction of new models in line with IEC requirements.

For more details and/or specific needs please contact our technical department.


100
10
1
0.1
Modulation (%)
Magnetically Ballasted HPS
SVM=1
Magnetically Ballasted Fluorescent
CA title 24 proposed limit
Incandescent
IEEE 1789 Low Risk
IEEE 1789 No Effect
Electronically Ballasted Fluorescent
P st =1
Flicker
Stroboscopic Effect
1
10
100
1000
Frequency (Hz)

Photobiological Safety Risk Groups

This is an extremely important parameter because it identifies the danger to the eyes and skin of prolonged exposure to artificial sources. Legislative Decree 81/2008 (Consolidated Law) and supplementary and corrective measures Legislative Decree 06/2009, puts risk assessment and management obligations for workers' health and safety in the hands of the company and more precisely employers.

Among the risks employers have to evaluate there are also any possible photobiological risks deriving from exposure to artificial optical radiation (AoR), chapter V of Legislative Decree 81/08. The technical reference standard IEC/EN 62471:2010 defines a classification of sources in 3 Photobiological Safety Risk Groups on the basis of the quantity of radiation emitted by the sources in the range of wavelengths from 200 nm to 3000 nm, therefore well beyond the range of the visible, providing a clear indication of the limits of maximum exposure for each group. In accordance with Paragraph 6.1 of EN 62471: 2010 the risk groups (for blue light) are defined as follows:

1

RG0
(Risk Exempt)

The source does not cause any photo-biological risk. Requirement met by any lamp that does not cause a blue light (BL) retinal risk with an exposure time of up to 10,000 s (about 2.8 h).

2

RG1
(Low Risk)

The source does not cause risk due to normal operating limitations on exposure. Requirement met by any source that exceeds the limits of the Exempt Group but does not cause a blue light (BL) retinal risk with an exposure time of up to 100 s.

3

RG2
(Moderate Risk)

The source does not cause a risk due to an instinctive reaction when looking at very bright light sources (or due to a sensation of thermal discomfort.) Requirement met by any source that exceeds the limits of Risk 1 Group but does not cause a blue light (BL) retinal risk with an exposure time of up to 0.25 s.

4

RG3
(High Risk)

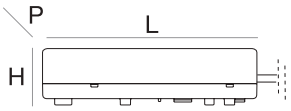
The source can constitute a risk even due to momentary or brief exposure.

We choose LED sources with the lowest Photobiological Safety Risk Group available on the market so that our fixtures are in the Risk 0 or Risk 1 groups.

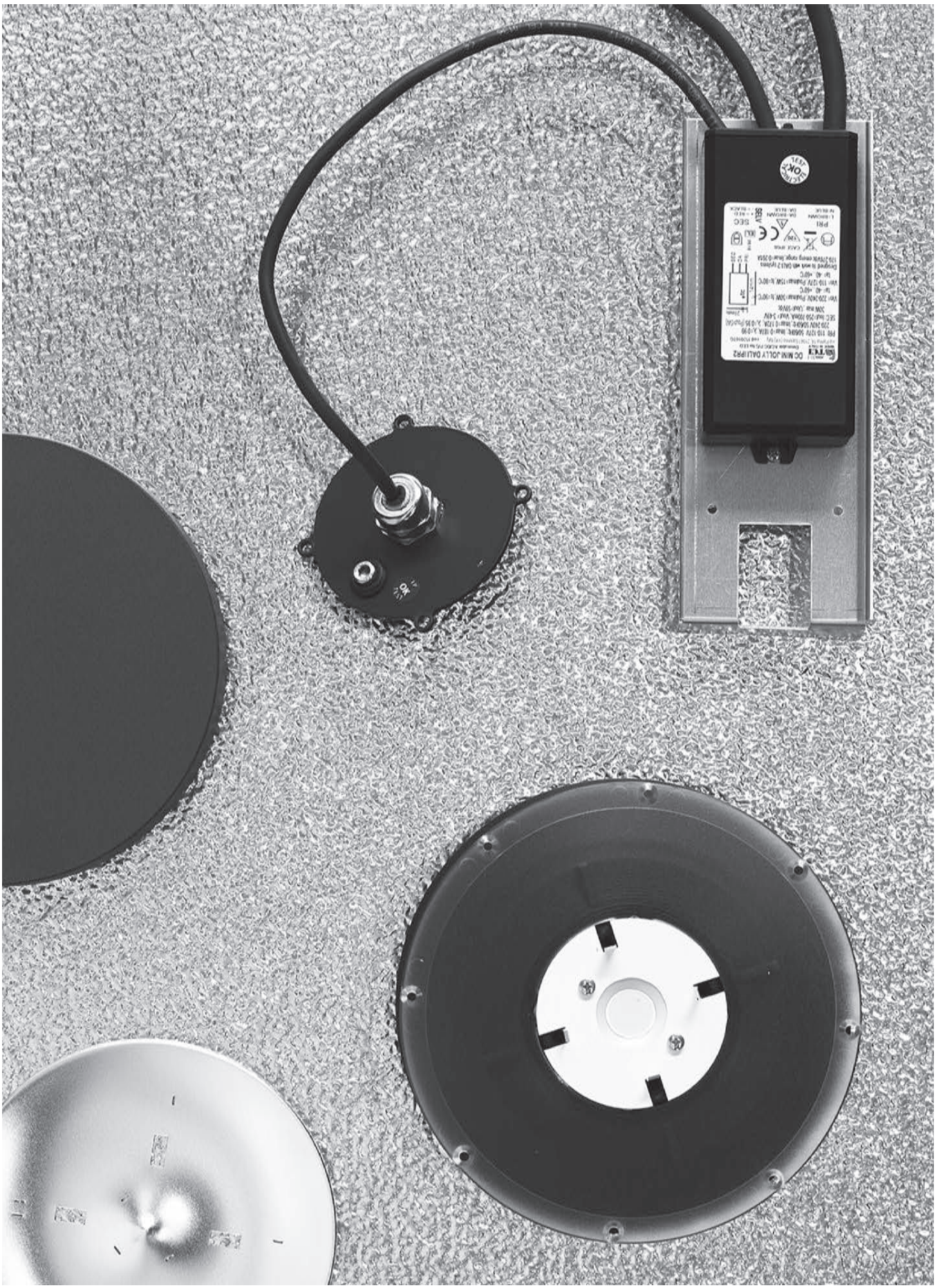
The current standard EN 60598-1 concerning indoor light fixtures indicates that RG0 or RG1 risk groups are acceptable for safety purposes albeit technically not equivalent. Exposure to fixtures with RG1 is not to be considered dangerous in ordinary use because exposure times of more than 100 seconds are considered to be "unlikely", although not impossible because this would mean looking in the direction of a light fixture for 100 consecutive seconds. Risk group RG0, on the other hand, has a period of exposure greater than 2.8 h and as such, it can be stated with greater confidence that fixtures would not be viewed for such a long time.

Power supply

Electronic ballast/power supply for LED source



Power	LxHxP	Power supply	Output current	Output voltage	Dimming	Protection	
max 20W	Ø 98 H 78	220-240V		24V-DC		IP68	**1E0993**
17W	Ø 105 H 74	220-240V	700 mA			IP68	**1E1385**
12W	Ø 105 H 74	110-120V	700 mA			IP68	**1E1385**
70W	225x51x65	220-240V		48V-DC		IP67	**1E2320**
150W	225x51x65	220-240V		48V-DC		IP67	**1E2321**
480W	227x100x125	220-240V		48V-DC		IP20	**1E2323**
240W	125x100x125	220-240V		48V-DC		IP20	**1E2533**
max 43W	106x26x53	220-240V	600mA			IP68	**1E2571**
max 43W	106x26x53	220-240V	600mA		DALI	IP68	**1E2572**
max 50W	127x31x80	220-240V	900mA			IP68	**1E2573**
max 50W	150x40x148	220-240V	900mA		DALI	IP68	**1E2574**
20W	135x31x80	110-240V	400mA		1-10V	IP68	**1E3033D**
20/15W	115x26x53	220-240/110-127V	400mA		DALI	IP68	**1E3033DA**
20/15W	115x26x53	220-240/110-127V	400mA			IP68	**1E3033EL**
20/15W	220x80x120	220-240/110-127V	900mA		1-10V	IP68	**1E3034D**
20W	220x80x120	220-240V	900mA		DALI	IP68	**1E3034DA**
20/15W	150x40x148	220-240/110-127V	900mA			IP68	**1E3034EL**
10W	79x25x38	220-240V		24V-DC		IP67	**1E3179**
15W	119x22x52	220-240V	350mA			IP20	**1T1757**
29W	160x35x83	110-240V	700mA			IP20	**1T2963**
29W	160x35x83	110-240V	700mA		DALI	IP20	**1T2965**
max 50W	160x35x83	220-240V	900mA			IP20	**1T2966**
max 50W	160x35x83	110-240V	900mA		DALI	IP20	**1T2968**
75W	130x32x80	220-240V		24V-DC		IP67	**1T3586**
100W	230x87x43	220-240V		24V-DC		IP67	**1T3587**
200W	238x42x67	220-240V		24V-DC		IP67	**1T3588**
32W	160x35x83	110-240V	600mA			IP20	**1T3625**
32W	160x35x83	110-240V	600mA		DALI	IP20	**1T3627**
50W	185x22x63,5	220-240V		24V-DC		IP20	**1T3726**
42W	160x35x83	110-240V	1050mA			IP20	**1T3781**
42W	160x35x83	110-240V	1050mA		DALI	IP20	**1T3783**
max 22W	130x30x42	220-240V	500mA			IP20	**1T3966**
20/15W	111x22x52	220-240/110-127V	400mA		1-10V	IP20	**1T4215D**
20W	146x30x44	220-240V	400mA		DALI	IP20	**1T4215DA**
18W	146x22x43	220-240V	400mA			IP20	**1T4215EL**
max 15W	119x22x52	110-240V	350mA		DALI	IP20	**1T4630**
20W	119x22x52	220-240V	500mA		DALI	IP20	**1T4631**
15W	119x22x52	110-120V	500mA		DALI	IP20	**1T4631**
20/15W	111x22x52	220-240/110-127V	900mA		1-10V	IP20	**1T5295D**
20W	150x28x42	220-240V	900mA		DALI	IP20	**1T5295DA**
20/15W	110x22x52	220-240/110-127V	900mA			IP20	**1T5295EL**
max 15W	101,5x29,5x51	220-240V	350mA			IP20	**1T6503**
max 15W	147x30x44	220-240V	350mA		DALI	IP20	**1T6504**
max 15W	158x19x22	220-240V	350mA			IP20	**1T6505**
42W	129x30x42	220-240V	1050mA			IP20	**1T6524**
130W	240x49x60	220-240V		48V-DC		IP20	**1T6916EL**
60W	225x36x60	220-240V		48V-DC		IP20	**1T6917EL**
210W	251x37x90	90-305V		48V-DC		IP67	**1T7403EL**
20W	156x26x52	230V	900mA		DALI	IP20	**1T7686DA**
20W	156x26x52	230V	600mA		DALI	IP20	**1T8172DA**
20W	110x22x52	110-240V	600mA			IP20	**1T8172EL**
60W	129x30x76	220-240V	1400mA		DALI	IP20	**1T9513DA**
60W	130x30x43	220-240V	1400mA			IP20	**1T9513EL**
10W/20W	145x19x55	110-240V/220-240V		12V-DC		IP20	**T1585**
70W	225x51x65	220-240V		12V-DC		IP67	**T1586**



LED

Characteristics of the LED lamps Targetti fixtures are fitted with

1

Colour tolerance

The Targetti collection uses different LED lamps depending on the type of fixture. Nevertheless the hue of the light emitted is always the same from one fixture to another because only LED lamps produced by leading companies in the sector are used, with the same chromaticity identified by the methodology of MacAdam ellipse or SDCM (Standard Color Deviation Matching).

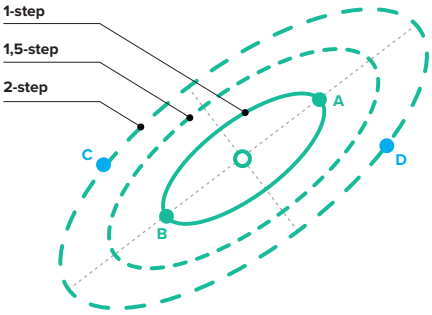
Light chromaticity is identified using a two-dimensional value within an ellipse that defines the maximum displacement of chromaticity from the point of reference (the centre of the ellipse).

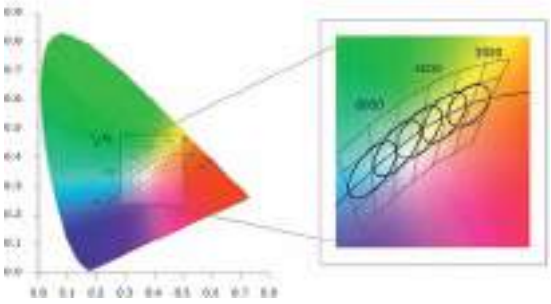
A 3 SDCM value is generally considered the maximum value before an average observer perceives chromaticity differences.

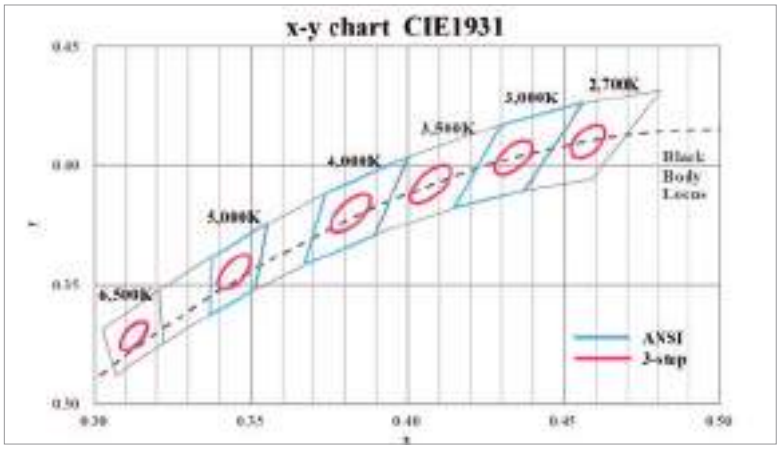
The colour tolerance values used in Targetti are as follows:

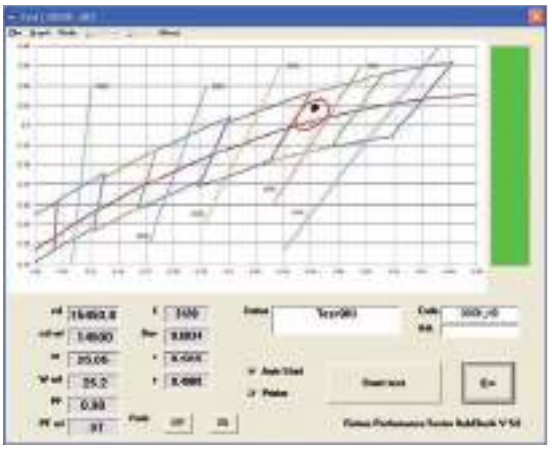
- **1.5 - 2 SDCM** (1 on request) for fixtures that use COB LED lamps
- **3 SDCM** (2 on request) for fixtures that use LED COB High density and LED Mid-Power lamps

It is also important to consider colour tolerance throughout the life span lamps (long term color consistency). Targetti LED lamps ensure the declared colour tolerance for the entire life of all fixtures.









2

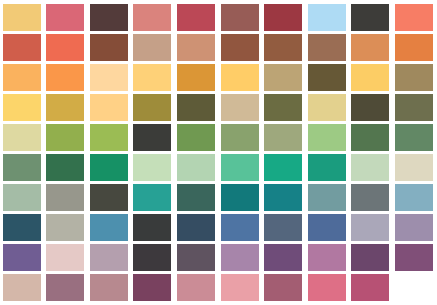
Colour rendering

The colour rendering index is the quantitative measure of the ability of a light source to reproduce colours faithfully. The method approved and currently used is the CIE CRI (Color Rendering Index) also known as CIE Ra. To determine it a comparison is carried out between the lamps to be evaluated and a reference light source with the same colour temperature.

It is based on a comparison of 15 “patches” of colour. The Ra index is the average of the 15 Patches, R9 is the rendering of the red patch.
A colour rendering index between 90 and 100 is considered excellent and a value between 80 and 90 is good. Among specialists in the field the CRI method is often contested given that it provides values that are sometimes inadequate especially for some LED sources.

At meetings between the regulatory and standardisation committees various alternative methods have been put forward.
The one that is more popular and considered more reliable today is the TM 30-15 method from the IES (Illuminating Engineering Society).

Most importantly is the IES TM-30-15 IES – the acronym for the Illuminating Engineering Society – the organisation that developed the scale as a new method for evaluating the colour rendering of a light source. It appears to be more reliable than the previous Ra because it is based on the colour rendering comparison of 99 “colour patches" rather than 8+6 like the CRI. In addition, where the CRI provides a single score, therefore it does not significantly express the narrow but broad relationship between light and colour, the TM-30 appears to be more complete because it is identified using three different parameters: an Rf Fidelity index, an Rg Gamut index and a colour vector graphic. These combine to provide a more accurate image of the colour fidelity of a light source and a better explanation of the exceptional colour rendering capabilities of LED sources.



3

Rf (Fidelity)

The TM-30 Fidelity index uses 99 colours, rather than 8+4 of the CRI, chosen from real world objects. Like the CRI the points of the Fidelity index go from 0 to 100. A score of less than 60 is too poor for indoor use and a 90+ score is ideal for an effect that is similar to daylight.

The TM-30, 99 “colour patches" are classified into seven groups (nature, skin tones, textiles, paints, plastics, printed material and colour systems). This categorisation helps because the light source can be tested on specific application areas.

Rg (Gamut)

Evaluates the intensity of colours under a certain light, therefore it provides indications of the source’s ability to reproduce colour saturation (breadth of colour range). A score range equal to 100 indicates that the light source does not change the hue or colour saturation that are reproduced in the same way as the sample source.

R>100 indicates an increase in colour saturation, therefore they appear more intense.

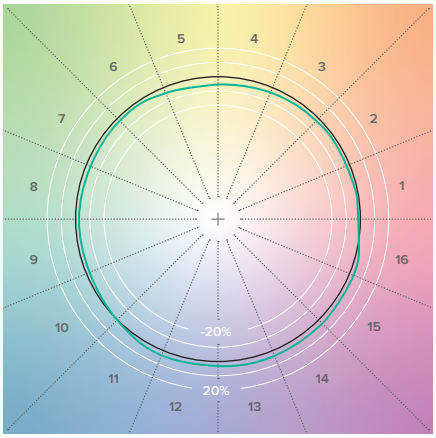
R<100 indicates a decrease in saturation.

4

TM-30 colour vector graphic

Indicates which colours appear to be saturated and which desaturated.

In the TM- 30 colour vector graphic the white circle represents the sample light, while the circle with the colored background is the light being tested. If the circles overlap perfectly the tested light corresponds to sunlight.
The areas that extend beyond the black circle indicate that the colours are more intense compared to the sample, however those that remain inside represent colours that appear desaturated.
Unlike the Fidelity and Gamut indexes which are numerical scores, the colour vector graphic is a visual representation that makes it possible to understand which colours are more and less intense. This is particular useful when it is necessary to highlight a particular colour, for example in retail applications.



5

Life expectancy of LED sources and lumen maintenance

LED lamps emit light for an extremely long length of time with an almost insignificant failure rate. The life expectancy of a LED lamp is based on the decreasing lumen rate and the percentage of fixtures are subject to this decrease in a certain period of time.

For example a LED source with a life expectancy of 80000 hours is identified with the code L80 B10 when lots of this type of source once they reach 80000 hours will have at least 90% (100% - B=10) of the LED with lumen of over 80% of the original (L=80).

The lifetime of LED lamps is measured using tests carried out according to the IES LM80 standard. A certain number of LED lamps are left working at different temperatures for at least 6000 hours. Every 1000 hours various parameters are measured: lumen, chromaticity, power etc. The results are then processed using the IES TM 21 procedure that makes it possible to extract the data and produce the lumen maintenance values in hours, L and B depending on the operating temperature.

6

Life span of LED fixtures

The life span of LED light fixtures depends mainly on two components: the LED lamp and the LED driver.
The life span of LED sources and LED drivers are heavily dependent on the temperature these components operate inside the fixture. Targetti fixtures are designed to have very low operating temperatures for LED sources and drivers compared to the limits indicated by producers to ensure excellent performance in terms of duration and lumen maintenance.

7

Targetti fixture data

Since LED technology was applied to light fixtures we have always wanted to be completely transparent in publishing data relating to the performance of our fixtures. For every fixture we have always indicated:

- The power of the LED source (Watt)
- The lumen of the LED source (lm)
- The power of the fixture (Watt)
- The lumen of the fixture (lm)
- Maximum intensity (cd)
- Typical colour rendering CIE Ra - TM30 Rf, Rg

8

Warnings on LED fixtures

Given the production process of LED lamps, typical values indicated by parameters only represent statistical magnitude. These values are affected by the manufacturing tolerances of producers of LED lamps, drivers (LED power feed) and also the operating temperature of the fixtures (LED voltage varies with temperature).

Targetti fixtures are designed, built and tested in compliance with current standard regulations and technical requirements. As required by regulation IEC 60598, technical checks are carried out at a room temperature of 25°C.
Even lumen output and lighting data are based on a room temperature of 25°C. At different temperatures deviations from the values indicated in the catalogue are possible.

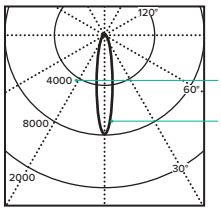
Manufacturing tolerance on data relating to declared output and performance is ± 10%
Then laboratory measurement uncertainties are then added:

- Lumen 5%
- Intensity 1%
- Power 0.5%
- Temperature 3%

Photometric data

Photometric measurements were taken at the “Photometric Laboratory Targetti. These measurements are performed at a room temperature equal to 25±1 °C as required by UNI EN 13032-1 - Light and lighting - Measurement and presentation of photometric data of lamps and luminaries - Part 1.

Polar dyagram



Luminous intensity

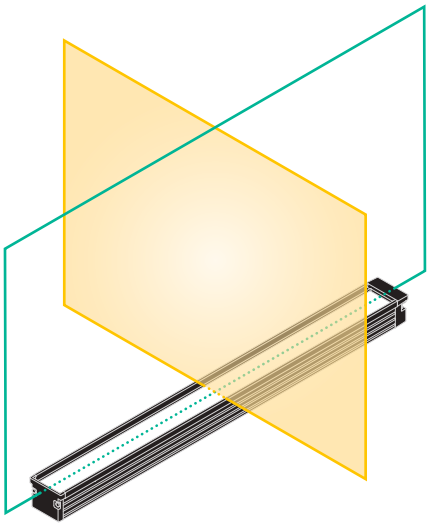
Photometric curve

TS947 Imax=7844cd/km — Imax

Photometric code

3000K Ra84		**Kelvin - CRI**
Fixture Power	23W	**Fixture power**
Source Flux	2886lm	**Led flux**
Fixture Flux	2453lm	**Fixture flux**
Efficacy	107lm/W	**Efficacy**
Imax	22638cd	**Imax**

H(m)	D(m)	Emax(lx)	
	14°		**Beam angle**
1	0.24	22638	**Distance from the plan (m)**
2	0.48	5659	
3	0.72	2515	**Ø luminous cone (m)**
4	0.96	1415	
5	1.20	906	**Max illumination (lx)**



Reference “C-γ”

Transverse plane
Piano C0° - C180
Beam angles α α

Longitudinal plane
Piano C90° - C270°
Beam angles α β

The photometric values quoted are dependent on the optical system to which they relate, and from the light source used. In order to improve its production, the Company reserves the right to change these optical systems and consequently relative photometric data without notice.

This catalog shows the only photometries for the 3000K color temperature version, to consult the photometric data of the other versions, please refer to the website www.targetti.com.
For ease of use, the photometric curve present within this catalogue is shown and explained below.

Photometric data are available in the “download” section of www.targetti.com, in digital format.

The photometric curves shown in this catalogue are compiled according to the “C-γ” international reference system, where the C0-C180 plane is perpendicular to the fixtues and the C90-C270 plane is parallel to the fixtues, as depicted in the figue. For symmetrical and rotationally symmetric fixtues therefore, a single curve is used.

Cie flux code

Commission Internationale de l'Eclairage (CIE) provides a classification of luminaires according to the distribution of the flux delivered within certain limits of solid angle. The first three numbers indicate the fluxes contained in the cones identified by solid angles equal to π/2, π, 3/2π. The fourth number gives the percentage of direct light compared to total emission. The fifth is the ratio between the total emission of the fixtures and total emission of the lamps (efficiency of the fixtures). The 5 codes are expressed in percentages.

Fixture performance

In accordance with EN 13032-2 - Light and lighting - Measurement and presentation of photometric data of lamps and luminaries - Part 2: Presentation of data for indoor and outdoor work places - the performance of lighting fixtures is indicated by the acronym "LOR" (Light Output Ratio) defined as the ratio of the luminous flux emitted by a fixture and the total flux of the sources used. For direct/ indirect light fixtures appliances, the regulation introduces the components "DLOR" (Down Light Output Ratio) and "ULOR" (Up Light Output Ratio). These components show the distribution of luminous flux of the fixtures in the lower and upper half-space. The 3 parameters are expressed as percentages.

UGR method

The UGR method was introduced by the CIE (Commission Internationale de l'Eclairage) with the CIE 117 – 1995 publication "Glare Discomfort in Interior Lighting" in order to have a unified method for evaluating glare. Unlike the previous method (Diagram of light or Söllner), the index of glare depends on both the characteristics of the fixtures, and the characteristics of the environment in which it is installed, taking into account the relative position of observer- fixtures.
The UGR glare index is calculated from the size of the room, the type of light fixtures, its size and the surface reflection properties of the environment.
It is expressed by the formula:

$$UGR = 8 \log \left(\frac{0{,}25}{L_b} \sum \frac{L^2 \pi}{\rho^2} \right)$$

UGR: A value that defines the class of the annoying glare (or glare that causes disruption without affecting the view of objects) directly produced by the fixtures of an indoor lighting system.
Background luminance Lb: luminance of the visual field, in cd/ sqm, with the exclusion of glaring sources.
Fixtures luminance L: luminance of the luminous parts, in cd/sqm, of each appliance in the direction of observation.
Solid angle π: solid angle, in steradian, of the luminous parts of each illumination fixture in the direction of the eye of the observer.
Guth's position index ρ: a value that defines the offset angle to the axis of vision for each individual luminary.

UGR glare index values are between 10 and 30, from minimum to maximum probability of distress.

- **UGR C0:** refers to the transversal direction of observation of the fixtures
- **UGR C90:** refers to the longitudinal direction of observation of the fixtures.

Glare ratio reported in polar diagrams are calculated in relation to a local standard, as provided for by regulation CIE 117, having the following characteristics (Figure 1).

The size of the room as well as the distance between fixtures in both directions are specified in relation to the distance
H between the fixture plane and the observer plane (usually assumed to be equal to 1.2 m)
S Distance between fixtures in both directions equal to 0.25H
X longitudinal dimension of the room equal to 4H
Y transverse dimension of the room equal to 8H
Reflectance index of the ceiling, walls and floor, respectively, equal to 0.7, 0.5, 0.2

To aid better understanding, the UGR values reported in the polar diagram of the lighting fixtures have been grouped into the following illustrative classes by type of application, as specified in UNI EN 12464-1:

- <16 maximum viewing comfort
- <19 comfort required in offices
- <22 comfort required in other work places
- <25 need for reduced visual comfort
- <28 extremely low visual comfort

Luminance values

The UNI EN 12464-1 - Light and lighting - Lighting of workplaces - Part 1: internal workplaces - prescribes the boundary values of average luminance of the lighting equipment at elevation angles of 65° and above from the downward vertical, radially around the luminaires, for work stations where display screens which are vertical or inclined up to 15° tilt angle are used.

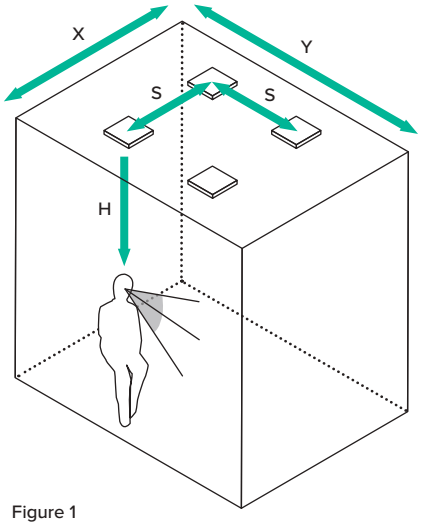
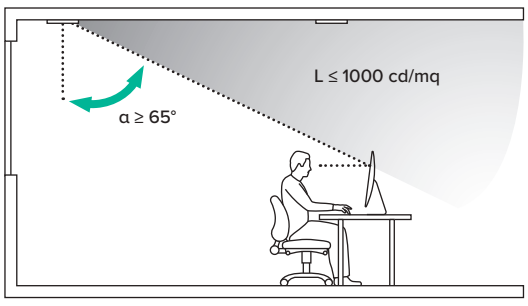


Figure 1

Case A
Flat screens operating at positive polarity with normal requirements concerning colour and details of the shown information, as used in office, education, etc.

Case B
To flat screens operating at negative polarity and/or with higher requirements concerning colour and details of the shown information, as used for CAD colour inspection, etc.



Screen high state luminance	High luminance screen > 200 cd/mq	Medium luminance screen ≤ 200 cd/mq
Case A	≤ 3000 cd/mq	≤ 1500 cd/mq
Case B	≤ 1500 cd/mq	≤ 1000 cd/mq

Index for code

COD.	PAG.
1E0388	580, 594, 597, 600, 603, 605, 607, 610, 614, 619, 622, 625
1E0990	638, 640, 642
1E0993	630, 634, 638, 723, 725, 728, 746, 749, 755, 765, 767, 799
1E0994	638, 640, 642
1E0995	731, 733
1E0995FE	729
1E0996	638, 640, 642
1E1001	637
1E1002	637
1E1008	637
1E1011	637
1E1012	637
1E1018	637
1E1021	637
1E1022	637
1E1028	637
1E1385	639, 731
1E1401	582, 641, 732, 820
1E1409	641
1E1410	732
1E1713	642, 733, 821
1E1854	641
1E1855	732
1E1906	822
1E1929	822
1E2264	580
1E2265	580
1E2266	580
1E2267	584
1E2268	584
1E2269	584
1E2274	580
1E2275	580
1E2320	609, 613, 618, 624
1E2321	609, 613, 618, 624
1E2323	610, 614, 618, 624
1E2367	639
1E2368	639
1E2369	639
1E2370	639
1E2371	731
1E2372	731
1E2373	731
1E2374	731
1E2381	582
1E2382	581, 582
1E2383	581, 582
1E2386	593
1E2386AS	593
1E2386DA	593
1E2386DAAS	593
1E2387	593
1E2387AS	593
1E2387DA	593
1E2387DAAS	593
1E2388	599
1E2388AS	599
1E2388DA	599
1E2388DAAS	599
1E2389	599
1E2389AS	599
1E2389DA	599
1E2389DAAS	599
1E2390	599
1E2390AS	599
1E2390DA	599
1E2390DAAS	599
1E2391	599
1E2391AS	599
1E2391DA	599
1E2391DAAS	599
1E2392	599
1E2392AS	599
1E2392DA	599
1E2392DAAS	599
1E2393	599
1E2393AS	599
1E2393DA	599
1E2393DAAS	599
1E2394	593, 596, 599, 602, 604, 606
1E2402	594, 597, 600
1E2493	696, 799
1E2494	576, 594, 600, 603, 605, 611, 615, 619, 625, 631, 635, 645, 677, 689, 692, 696, 700, 706, 711, 714, 723, 726, 729, 731, 743, 747, 750, 795, 799
1E2495	554, 559, 594, 597, 600, 603, 604, 606, 610, 614, 619, 622, 625
1E2496	594, 597, 600, 603, 604, 606
1E2497	608
1E2497DA	608
1E2498	608
1E2498DA	608
1E2499	608
1E2500	608
1E2501	612
1E2501DA	612
1E2502	612
1E2502DA	612
1E2503	612
1E2503DA	612
1E2504	612
1E2504DA	612
1E2505	612
1E2506	612
1E2507	612
1E2508	612
1E2509	616
1E2509DA	616
1E2510	616
1E2510DA	616
1E2511	616
1E2511DA	616
1E2512	616
1E2512DA	616
1E2513	616
1E2513DA	616
1E2514	616
1E2514DA	616
1E2515	616
1E2516	616
1E2517	616
1E2518	616
1E2519	617
1E2520	617
1E2521	609, 613, 617, 621, 623
1E2522	609, 613, 617, 621, 623
1E2523	610, 614, 618
1E2524	610, 614, 619, 622, 625
1E2525	609, 613, 617, 621, 624
1E2525AS	609, 613, 617, 621, 624
1E2525ASCB	609, 613, 617, 621, 624
1E2525CB	609, 613, 617, 621, 624
1E2526	609, 613, 617, 621, 624
1E2526AS	609, 613, 617, 621, 624
1E2533	610, 614, 618, 624
1E2543	776
1E2544	777
1E2545	777
1E2546	777
1E2547	776
1E2548	777
1E2549	777
1E2550	777
1E2551	776
1E2552	776
1E2553	777
1E2554	777
1E2555	777
1E2556	776
1E2557	777
1E2558	777
1E2559	777
1E2560	776
1E2561	604
1E2561AS	604
1E2561DA	604
1E2561DAAS	604
1E2562	604
1E2562AS	604
1E2562DA	604
1E2562DAAS	604
1E2565	304
1E2566	304
1E2567	304
1E2568	304
1E2569	304
1E2570	304
1E2571	305
1E2572	305
1E2573	305
1E2574	305
1E2575	305, 778
1E2576	305, 778, 780, 782
1E2577	305, 778
1E2578	305, 778, 780, 782
1E2579	305, 778
1E2580	305, 778, 782
1E2581	651
1E2582	651
1E2583	651
1E2584	651
1E2585	651
1E2586	651
1E2587	651
1E2588	651
1E2589	652
1E2590	652
1E2591	652
1E2592	652
1E2593	652
1E2594	652
1E2595	652
1E2596	652
1E2597	653
1E2598	653
1E2599	653
1E2600	653
1E2601	653
1E2602	653
1E2603	653
1E2604	653
1E2605	650
1E2606	650
1E2607	650
1E2608	650

COD.	PAG.
1E2609	650
1E2610	650
1E2611	650
1E2612	650
1E2613	651
1E2614	651
1E2615	651
1E2616	651
1E2617	651
1E2618	651
1E2619	651
1E2620	651
1E2621	653
1E2622	653
1E2623	653
1E2624	653
1E2625	653
1E2626	653
1E2627	653
1E2628	653
1E2629	650
1E2630	650
1E2631	650
1E2632	650
1E2633	650
1E2634	650
1E2635	650
1E2636	650
1E2637	652
1E2638	652
1E2639	652
1E2640	652
1E2641	652
1E2642	652
1E2643	652
1E2644	652
1E2645	653
1E2646	653
1E2647	653
1E2648	653
1E2649	653
1E2650	653
1E2651	653
1E2652	653
1E2653	650
1E2654	650
1E2655	650
1E2656	650
1E2657	651
1E2658	651
1E2659	651
1E2660	651
1E2661	652
1E2662	652
1E2663	652
1E2664	652
1E2665	550
1E2666	550
1E2667	550
1E2668	550
1E2669	550
1E2670	550
1E2671	550
1E2672	550
1E2673	552
1E2674	552
1E2675	552
1E2676	552
1E2677	552
1E2678	552
1E2679	552
1E2680	552
1E2681	553
1E2682	553
1E2683	553
1E2684	553
1E2685	553
1E2686	553
1E2687	553
1E2688	553
1E2689	550
1E2690	550
1E2691	550
1E2692	550
1E2693	550
1E2694	550
1E2695	550
1E2696	550
1E2697	551
1E2698	551
1E2699	551
1E2700	551
1E2701	551
1E2702	551
1E2703	551
1E2704	551
1E2705	553
1E2706	553
1E2707	553
1E2708	553
1E2709	553
1E2710	553
1E2711	553
1E2712	553
1E2713	551
1E2714	551
1E2715	551
1E2716	551
1E2717	551
1E2718	551
1E2719	551
1E2720	551
1E2721	552
1E2722	552
1E2723	552
1E2724	552
1E2725	552
1E2726	552
1E2727	552
1E2728	552
1E2729	553
1E2730	553
1E2731	553
1E2732	553
1E2733	553
1E2734	553
1E2735	553
1E2736	553
1E2737	550
1E2738	550
1E2739	550
1E2740	550
1E2741	551
1E2742	551
1E2743	551
1E2744	551
1E2745	552
1E2746	552
1E2747	552
1E2748	552
1E2752	654, 659
1E2753	654, 659
1E2754	654, 659
1E2755	654, 659
1E2756	654, 659
1E2757	654, 659
1E2758	654, 659
1E2759	654, 659
1E2760	654, 659
1E2761	654, 659
1E2762	554, 655
1E2763	554, 655
1E2764	554, 655
1E2765	554, 655
1E2766	711, 712
1E2767	559, 598, 607, 622, 660, 696, 708, 824
1E2768	596
1E2768AS	596
1E2769	554, 576, 594, 600, 603, 605, 611, 615, 619, 625, 631, 635, 645, 655, 660, 677, 689, 692, 700, 706, 711, 714, 723, 726, 729, 731, 743, 747, 750, 795, 799
1E2770	645
1E2771	645
1E2772	645
1E2773	645
1E2774	645
1E2775	645
1E2779	704
1E2780	704
1E2781	704
1E2782	704
1E2783	704
1E2784	704
1E2785	704
1E2786	704
1E2806	705
1E2807	705
1E2820	706
1E2821	705
1E2822	705
1E2823	706, 708
1E2824	706, 708
1E2825	689, 692, 695, 705, 708
1E2826	705, 708
1E2827	710
1E2828	710
1E2829	710
1E2830	710
1E2831	710
1E2832	710
1E2833	712
1E2834	712
1E2845	711, 713
1E2846	711, 713
1E2847	711, 713
1E2848	711, 713
1E2853	710
1E2854	710
1E2855	711, 712
1E2856	711, 712
1E2857	714
1E2858	714
1E2859	714
1E2860	714
1E2867	781
1E2868	781
1E2869	781
1E2870	781
1E2871	781
1E2872	781
1E2873	781
1E2874	781
1E2875	781
1E2876	781
1E2877	776
1E2878	777
1E2879	777
1E2880	777
1E2881	776
1E2882	776
1E2883	776
1E2884	777
1E2885	777
1E2886	777
1E2887	776
1E2888	776
1E2889	776
1E2890	779
1E2891	779
1E2892	779
1E2893	779
1E2894	779
1E2895	779

COD.	PAG.
1E2896	779
1E2897	779
1E2898	779
1E2899	779
1E2900	780
1E2901	778
1E2902	778
1E2906	778, 780
1E2907	780
1E2909	785
1E2910	785
1E2911	785
1E2912	785
1E2978	704
1E2979	704
1E2980	705
1E2981	705
1E2986	698
1E2987	698
1E3011	700
1E3012	699
1E3013	699
1E3014	699
1E3015	700
1E3016	700
1E3022	692, 696
1E3023	691, 695
1E3024	691, 695
1E3025	691, 695
1E3026	688, 692, 695
1E3027	692, 695
1E3028	688, 692, 695
1E3029	692, 696
1E3033D	699
1E3033DA	699
1E3033EL	699
1E3034D	699
1E3034DA	699
1E3034EL	699
1E3035	778, 780, 782
1E3036	778, 780, 782
1E3037	778, 780, 782
1E3038	778, 780, 782
1E3039	778, 780, 782
1E3045	654, 659
1E3046	654, 659
1E3047	654, 659
1E3048	306, 555, 576, 595, 601, 603, 605, 611, 615, 619, 625, 631, 635, 655, 678, 689, 693, 700, 724, 727, 729, 743, 747, 750, 756, 765, 767, 771, 795, 800, 811
1E3049	306, 555, 576, 595, 601, 603, 605, 611, 615, 619, 625, 631, 635, 655, 678, 689, 693, 700, 724, 727, 729, 743, 748, 751, 756, 765, 767, 771, 795, 800, 811
1E3050	602
1E3050AS	602
1E3050DA	602
1E3050DAAS	602
1E3051	602
1E3051AS	602
1E3051DA	602
1E3051DAAS	602
1E3052	602
1E3052AS	602
1E3052DA	602
1E3052DAAS	602
1E3053	602
1E3053AS	602
1E3053DA	602
1E3053DAAS	602
1E3054	602
1E3054AS	602
1E3054DA	602
1E3054DAAS	602
1E3055	602
1E3055AS	602
1E3055DA	602
1E3055DAAS	602
1E3056EL	697
1E3057EL	697
1E3093	689
1E3094	688
1E3095	688
1E3096	688
1E3097	689
1E3098	689
1E3099	556
1E3100	556
1E3101	556
1E3102	556
1E3103	557
1E3104	557
1E3105	557
1E3106	557
1E3107	558
1E3108	558
1E3109	558
1E3110	558
1E3111	656
1E3112	656
1E3113	656
1E3114	656
1E3115	657
1E3116	657
1E3117	657
1E3118	657
1E3119	658
1E3120	658
1E3121	658
1E3122	658
1E3123	606
1E3123AS	606
1E3124	707
1E3125	707
1E3148	754
1E3149	754
1E3150	755
1E3151	754
1E3152	754
1E3153	755
1E3154	754
1E3155	754
1E3156	755
1E3157	754
1E3158	754
1E3159	755
1E3160	754
1E3161	754
1E3162	755
1E3163	754
1E3164	754
1E3165	755
1E3166	755
1E316790	728
1E316890	728
1E316990	728
1E317090	728
1E317190	728
1E317290	728
1E3173	707
1E3174	707
1E3179	630, 634, 723, 725, 728, 746, 749, 755, 765, 767, 799
1E3180	755
1E3181	756
1E3184	576, 597, 607, 660, 678, 747, 750
1E3187	689
1E3188	688, 695
1E3189DA	771
1E3189EL	771
1E3190DA	771
1E3190EL	771
1E3191DA	771
1E3191EL	771
1E3192DA	742
1E3192EL	742
1E3195DA	742
1E3195EL	742
1E3198DA	742
1E3198EL	742
1E3201DA	742
1E3201EL	742
1E3204DA	742
1E3204EL	742
1E3207DA	742
1E3207EL	742
1E3210DA	742
1E3210EL	742
1E3213DA	742
1E3213EL	742
1E3216DA	742
1E3216EL	742
1E3219	742
1E3220	665
1E3221	665
1E3222	665
1E3223	665
1E3224	665
1E3225	665
1E3226	665
1E3227	665
1E3228	665
1E3229	665
1E3230	665
1E3231	665
1E3232	666
1E3233	666
1E3234	666
1E3235	666
1E3236	666
1E3237	666
1E3238	666
1E3239	666
1E3240	666
1E3241	666
1E3242	666
1E3243	666
1E3244	667
1E3245	667
1E3246	667
1E3247	667
1E3248	667
1E3249	667
1E3250	667
1E3251	667
1E3252	667
1E3253	667
1E3254	667
1E3255	667
1E3256	668
1E3257	668
1E3258	668
1E3259	668
1E3260	668
1E3261	668
1E3262	668
1E3263	668
1E3264	668
1E3265	668
1E3266	668
1E3267	668
1E3268DA	672
1E3268EL	672
1E3269DA	672
1E3269EL	672
1E3270DA	672
1E3270EL	672
1E3271DA	672
1E3271EL	672
1E3272DA	672
1E3272EL	672
1E3273DA	672

COD.	PAG.
1E3273EL	672
1E3274DA	672
1E3274EL	672
1E3275DA	672
1E3275EL	672
1E3276DA	672
1E3276EL	672
1E3277DA	672
1E3277EL	672
1E3278DA	672
1E3278EL	672
1E3279DA	672
1E3279EL	672
1E3280DA	672
1E3280EL	672
1E3281DA	672
1E3281EL	672
1E3282DA	672
1E3282EL	672
1E3283DA	672
1E3283EL	672
1E3284DA	673
1E3284EL	673
1E3285DA	673
1E3285EL	673
1E3286DA	673
1E3286EL	673
1E3287DA	673
1E3287EL	673
1E3288DA	673
1E3288EL	673
1E3289DA	673
1E3289EL	673
1E3290DA	673
1E3290EL	673
1E3291DA	673
1E3291EL	673
1E3292DA	673
1E3292EL	673
1E3293DA	673
1E3293EL	673
1E3294DA	673
1E3294EL	673
1E3295DA	673
1E3295EL	673
1E3296DA	673
1E3296EL	673
1E3297DA	673
1E3297EL	673
1E3298DA	673
1E3298EL	673
1E3299DA	673
1E3299EL	673
1E3300DA	674
1E3300EL	674
1E3301DA	674
1E3301EL	674
1E3302DA	674
1E3302EL	674
1E3303DA	674
1E3303EL	674
1E3304	676
1E3305	576, 677, 724, 726, 743, 771, 795, 799
1E3306	676
1E3307	669
1E3308	669
1E3309	669
1E3310	669
1E3311	669
1E3312	669
1E3313	669
1E3314	669
1E3315	669
1E3316	669
1E3317	669
1E3318	669
1E3319	669
1E3320	669
1E3321	669
1E3322	669
1E3323	670
1E3324	670
1E3325	670
1E3326	670
1E3327	670
1E3328	670
1E3329	670
1E3330	670
1E3331	670
1E3332	670
1E3333	670
1E3334	670
1E3335	670
1E3336	670
1E3337	670
1E3338	670
1E3339	670
1E3340	670
1E3341	670
1E3342	670
1E3343	671
1E3344	671
1E3345	671
1E3346	671
1E3347	671
1E3348	671
1E3349	671
1E3350	671
1E3351	671
1E3352	671
1E3353	671
1E3354	671
1E3355DA	674
1E3355EL	674
1E3356DA	674
1E3356EL	674
1E3357DA	674
1E3357EL	674
1E3358DA	674
1E3358EL	674
1E3359DA	674
1E3359EL	674
1E3360DA	674
1E3360EL	674
1E3361DA	674
1E3361EL	674
1E3362DA	674
1E3362EL	674
1E3363DA	674
1E3363EL	674
1E3364DA	674
1E3364EL	674
1E3365DA	674
1E3365EL	674
1E3366DA	674
1E3366EL	674
1E3367DA	675
1E3367EL	675
1E3368DA	675
1E3368EL	675
1E3369DA	675
1E3369EL	675
1E3370DA	675
1E3370EL	675
1E3371DA	675
1E3371EL	675
1E3372DA	675
1E3372EL	675
1E3373DA	675
1E3373EL	675
1E3374DA	675
1E3374EL	675
1E3375DA	675
1E3375EL	675
1E3376DA	675
1E3376EL	675
1E3377DA	675
1E3377EL	675
1E3378DA	675
1E3378EL	675
1E3379DA	675
1E3379EL	675
1E3380DA	675
1E3380EL	675
1E3381DA	675
1E3381EL	675
1E3382DA	675
1E3382EL	675
1E3383DA	676
1E3383EL	676
1E3384DA	676
1E3384EL	676
1E3385DA	676
1E3385EL	676
1E3386DA	676
1E3386EL	676
1E3387DA	676
1E3387EL	676
1E3388DA	676
1E3388EL	676
1E3389DA	676
1E3389EL	676
1E3390DA	676
1E3390EL	676
1E3399	771
1E3404	581
1E3405	581
1E3406	581
1E3407	581
1E3410DA	793
1E3410EL	793
1E3411DA	793
1E3411EL	793
1E3412DA	793
1E3412EL	793
1E3413DA	793
1E3413EL	793
1E3414DA	793
1E3414EL	793
1E3415DA	793
1E3415EL	793
1E3416DA	793
1E3416EL	793
1E3417DA	793
1E3417EL	793
1E3418DA	793
1E3418EL	793
1E3419DA	793
1E3419EL	793
1E3420DA	793
1E3420EL	793
1E3421DA	793
1E3421EL	793
1E3422DA	792
1E3422EL	792
1E3423DA	792
1E3423EL	792
1E3424DA	792
1E3424EL	792
1E3425DA	792
1E3425EL	792
1E3426DA	792
1E3426EL	792
1E3427DA	792
1E3427EL	792
1E3428DA	792
1E3428EL	792
1E3429DA	792
1E3429EL	792
1E3430DA	792
1E3430EL	792
1E3431DA	792
1E3431EL	792
1E3432DA	792
1E3432EL	792
1E3433DA	792
1E3433EL	792
1E3434	794
1E3435	794
1E3436	794
1E3437	743
1E3438	743

COD.	PAG.
1E3439	743
1E3440	742
1E3441	746
1E3442DA	746
1E3442EL	746
1E3443DA	746
1E3443EL	746
1E3444DA	746
1E3444EL	746
1E3445	746
1E3446	746
1E3447	746, 749
1E3448	794
1E3449	794
1E3450	743, 798
1E345190	628
1E345290	628
1E345390	628
1E345490	628
1E345590	628
1E345690	628
1E345790	628
1E345890	628
1E345990	628
1E3460	630
1E346190	632
1E346290	632
1E346390	632
1E346490	632
1E346590	632
1E346690	632
1E346790	632
1E346890	632
1E346990	632
1E3470	634
1E347190	628
1E347290	629
1E347390	629
1E347490	628
1E347590	629
1E347690	629
1E347790	628
1E347890	629
1E347990	629
1E348090	632
1E348190	633
1E348290	633
1E348390	632
1E348490	633
1E348590	633
1E348690	632
1E348790	633
1E348890	633
1E348990	629
1E349090	629
1E349190	629
1E349290	629
1E349390	629
1E349490	629
1E349590	629
1E349690	629
1E349790	629
1E349890	633
1E349990	633
1E350090	633
1E350190	633
1E350290	633
1E350390	633
1E350490	633
1E350590	633
1E350690	633
1E3507	554, 559
1E3508	554, 559
1E3509	554, 559
1E3510	794
1E3511	749
1E3512DA	749
1E3512EL	749
1E3513	749
1E3514DA	749
1E3514EL	749

COD.	PAG.
1E3515	749
1E3516DA	749
1E3516EL	749
1E3517	623
1E3517DA	623
1E3518	623
1E3518DA	623
1E3519	623
1E3520	623
1E3521DA	764
1E3521EL	764
1E3522	764
1E3523DA	764
1E3523EL	764
1E3524	764
1E3525DA	764
1E3525EL	764
1E3526	764
1E3527DA	764
1E3527EL	764
1E3528	764
1E3529DA	764
1E3529EL	764
1E3530	764
1E3531DA	764
1E3531EL	764
1E3532	764
1E3533DA	765
1E3533EL	765
1E3534	764
1E3535DA	765
1E3535EL	765
1E3536	764
1E3537DA	765
1E3537EL	765
1E3538	764
1E3539DA	766
1E3539EL	766
1E3540	766
1E3541DA	766
1E3541EL	766
1E3542	766
1E3543DA	766
1E3543EL	766
1E3544	766
1E3545DA	766
1E3545EL	766
1E3546	766
1E3547DA	766
1E3547EL	766
1E3548	766
1E3549DA	766
1E3549EL	766
1E3550	766
1E3551DA	767
1E3551EL	767
1E3552	766
1E3553DA	767
1E3553EL	767
1E3554	766
1E3555DA	767
1E3555EL	767
1E3556	766
1E3557	575, 676
1E3558	575, 676
1E3559	576, 676
1E3560	576, 676
1E3561	564
1E3562	564
1E3563	564
1E3564	564
1E3565	564
1E3566	564
1E3567	564
1E3568	564
1E3569	564
1E3570	564
1E3571	564
1E3572	564
1E3573	568
1E3574	568

COD.	PAG.
1E3575	568
1E3576	568
1E3577	568
1E3578	568
1E3579	568
1E3580	568
1E3581	568
1E3582	568
1E3583	568
1E3584	568
1E3585	565
1E3586	565
1E3587	565
1E3588	565
1E3589	565
1E3590	565
1E3591	565
1E3592	565
1E3593	565
1E3594	565
1E3595	565
1E3596	565
1E3597	568
1E3598	568
1E3599	568
1E3600	568
1E3601	569
1E3602	569
1E3603	569
1E3604	569
1E3605	569
1E3606	569
1E3607	569
1E3608	569
1E3609	566
1E3610	566
1E3611	566
1E3612	566
1E3613	566
1E3614	566
1E3615	566
1E3616	566
1E3617	566
1E3618	566
1E3619	566
1E3620	566
1E3621	569
1E3622	569
1E3623	569
1E3624	569
1E3625	569
1E3626	569
1E3627	569
1E3628	569
1E3629	569
1E3630	569
1E3631	569
1E3632	569
1E3633	567
1E3634	567
1E3635	567
1E3636	567
1E3637	567
1E3638	567
1E3639	567
1E3640	567
1E3641	567
1E3642	567
1E3643	567
1E3644	567
1E3645	570
1E3646	570
1E3647	570
1E3648	570
1E3649	570
1E3650	570
1E3651	570
1E3652	570
1E3653	570
1E3654	570
1E3655	570

COD.	PAG.
1E3656	570
1E3657DA	571
1E3657EL	571
1E3658DA	571
1E3658EL	571
1E3659DA	571
1E3659EL	571
1E3660DA	571
1E3660EL	571
1E3661DA	571
1E3661EL	571
1E3662DA	571
1E3662EL	571
1E3663DA	571
1E3663EL	571
1E3664DA	571
1E3664EL	571
1E3665DA	571
1E3665EL	571
1E3666DA	571
1E3666EL	571
1E3667DA	571
1E3667EL	571
1E3668DA	571
1E3668EL	571
1E3669DA	573
1E3669EL	573
1E3670DA	573
1E3670EL	573
1E3671DA	573
1E3671EL	573
1E3672DA	573
1E3672EL	573
1E3673DA	573
1E3673EL	573
1E3674DA	573
1E3674EL	573
1E3675DA	573
1E3675EL	573
1E3676DA	573
1E3676EL	573
1E3677DA	573
1E3677EL	573
1E3678DA	573
1E3678EL	573
1E3679DA	573
1E3679EL	573
1E3680DA	573
1E3680EL	573
1E3681DA	571
1E3681EL	571
1E3682DA	571
1E3682EL	571
1E3683DA	571
1E3683EL	571
1E3684DA	571
1E3684EL	571
1E3685DA	572
1E3685EL	572
1E3686DA	572
1E3686EL	572
1E3687DA	572
1E3687EL	572
1E3688DA	572
1E3688EL	572
1E3689DA	572
1E3689EL	572
1E3690DA	572
1E3690EL	572
1E3691DA	572
1E3691EL	572
1E3692DA	572
1E3692EL	572
1E3693DA	574
1E3693EL	574
1E3694DA	574
1E3694EL	574
1E3695DA	574
1E3695EL	574
1E3696DA	574
1E3696EL	574

COD.	PAG.
1E3697DA	574
1E3697EL	574
1E3698DA	574
1E3698EL	574
1E3699DA	574
1E3699EL	574
1E3700DA	574
1E3700EL	574
1E3701DA	574
1E3701EL	574
1E3702DA	574
1E3702EL	574
1E3703DA	574
1E3703EL	574
1E3704DA	574
1E3704EL	574
1E3705DA	572
1E3705EL	572
1E3706DA	572
1E3706EL	572
1E3707DA	572
1E3707EL	572
1E3708DA	572
1E3708EL	572
1E3709DA	572
1E3709EL	572
1E3710DA	572
1E3710EL	572
1E3711DA	572
1E3711EL	572
1E3712DA	572
1E3712EL	572
1E3713DA	573
1E3713EL	573
1E3714DA	573
1E3714EL	573
1E3715DA	573
1E3715EL	573
1E3716DA	573
1E3716EL	573
1E3717DA	574
1E3717EL	574
1E3718DA	574
1E3718EL	574
1E3719DA	574
1E3719EL	574
1E3720DA	574
1E3720EL	574
1E3721DA	575
1E3721EL	575
1E3722DA	575
1E3722EL	575
1E3723DA	575
1E3723EL	575
1E3724DA	575
1E3724EL	575
1E3725DA	575
1E3725EL	575
1E3726DA	575
1E3726EL	575
1E3727DA	575
1E3727EL	575
1E3728DA	575
1E3728EL	575
1E3729	575
1E3730	575
1E3731	575
1E3732	575
1E3733	575
1E3734	575
1E3735	575
1E3736	798
1E3737	798
1E3738	798
1E3739	798
1E3740	798
1E3741	798
1E3742	754
1E3743	754
1E3744	754
1E3745	754

COD.	PAG.
1E3746	754
1E3747	754
1E3748	754
1E3749	754
1E3750	754
1E3751	754
1E3752	754
1E3753	754
1E3754	755
1E3755	755
1E3756	755
1E3757	755
1E3758	755
1E3759	755
1E3760DA	742
1E3760EL	742
1E3761DA	742
1E3761EL	742
1E3762DA	742
1E3762EL	742
1E3763	746
1E3764DA	746
1E3764EL	746
1E3765	749
1E3766DA	749
1E3766EL	749
1E376790	725
1E376890	725
1E376990	725
1E377090	725
1E377190	725
1E377290	725
1E377390	722
1E377490	722
1E377590	722
1E377690	722
1E377790	722
1E377890	722
1E377990	722
1E378090	722
1E378190	722
1E378290	722
1E378390	722
1E378490	722
1E3785	722, 725
1E3786	722, 725
1E3787	726
1E3788	723
1E3789	726
1E3790	723
1E3791	726
1E3792	723
1E3803	722, 725
1E3804	722, 725
1E3805	726
1E3806	723
1E3807	665
1E3808	665
1E3809	665
1E3810	665
1E3811	666
1E3812	666
1E3813	666
1E3814	666
1E3815	667
1E3816	667
1E3817	667
1E3818	667
1E3819	668
1E3820	668
1E3821	668
1E3822	668
1E3823DA	671
1E3823EL	671
1E3824DA	671
1E3824EL	671
1E3825DA	671
1E3825EL	671
1E3826DA	671
1E3826EL	671
1E3827DA	672

COD.	PAG.
1E3827EL	672
1E3828DA	672
1E3828EL	672
1E3829DA	672
1E3829EL	672
1E3830DA	672
1E3830EL	672
1E3831DA	673
1E3831EL	673
1E3832DA	673
1E3832EL	673
1E3833DA	673
1E3833EL	673
1E3834DA	673
1E3834EL	673
1E3835	564
1E3836	564
1E3837	564
1E3838	564
1E3839	565
1E3840	565
1E3841	565
1E3842	565
1E3843	566
1E3844	566
1E3845	566
1E3846	566
1E3847	567
1E3848	567
1E3849	567
1E3850	567
1E3851DA	570
1E3851EL	570
1E3852DA	570
1E3852EL	570
1E3853DA	570
1E3853EL	570
1E3854DA	570
1E3854EL	570
1E3855DA	571
1E3855EL	571
1E3856DA	571
1E3856EL	571
1E3857DA	571
1E3857EL	571
1E3858DA	571
1E3858EL	571
1E3859DA	572
1E3859EL	572
1E3860DA	572
1E3860EL	572
1E3861DA	572
1E3861EL	572
1E3862DA	572
1E3862EL	572
1E3864	694
1E3865	694
1E3866	694
1E3867	620
1E3868	620
1E3869	620
1E3872	747, 750
1E3873	747, 750
1E387590	725
1E387690	725
1E387790	722
1E387890	722
1E387990	722
1E388090	722
1E3881	621
1E3882	694
1E3883	695
1E3884	754
1E3885	754
1E3886	754
1E3887	754
1E3888	754
1E3889	754
1E3890	754
1E3891	754
1E3892	754
1E3893	754
1E3894	754
1E3895	754
1E3896	798
1E3897	798
1E3898	798
1E3899	798
1E3900	677
1E3901	677
1E3902	677
1E3903	677
1E3904	677
1E3905	677
1E3906	677
1E3907	677
1E3908	677
1E3909	677
1E3910	677
1E3911	677
1E3912	677
1E3913	677
1E3914	677
1E3915	677
1E3916	698
1E3917	698
1E3918	698
1E3919	698
1E3920	698
1E3921	698
1E3922EL	697
1E3923EL	697
1E3924EL	697
1E3925EL	697
1E3926EL	697
1E3927EL	697
1E3928D	690
1E3928DA	690
1E3928EL	690
1E3929D	690
1E3929DA	690
1E3929EL	690
1E3930D	690
1E3930DA	690
1E3930EL	690
1E3931D	690
1E3931DA	690
1E3931EL	690
1E3932D	690
1E3932DA	690
1E3932EL	690
1E3933D	690
1E3933DA	690
1E3933EL	690
1E3934D	690
1E3934DA	690
1E3934EL	690
1E3935D	690
1E3935DA	690
1E3935EL	690
1E3936D	690
1E3936DA	690
1E3936EL	690
1E3937D	690
1E3937DA	690
1E3937EL	690
1E3938D	691
1E3938DA	691
1E3938EL	691
1E3939D	691
1E3939DA	691
1E3939EL	691
1E3940D	691
1E3940DA	691
1E3940EL	691
1E3941D	691
1E3941DA	691
1E3941EL	691
1E3942D	686
1E3942DA	686
1E3942EL	686
1E3943D	686
1E3943DA	686
1E3943EL	686
1E3944D	686
1E3944DA	686
1E3944EL	686
1E3945D	686
1E3945DA	686
1E3945EL	686
1E3946D	686
1E3946DA	686
1E3946EL	686
1E3947D	686
1E3947DA	686
1E3947EL	686
1E3948D	686
1E3948DA	686
1E3948EL	686
1E3949D	686
1E3949DA	686
1E3949EL	686
1E3950D	686
1E3950DA	686
1E3950EL	686
1E3951D	686
1E3951DA	686
1E3951EL	686
1E3952D	687
1E3952DA	687
1E3952EL	687
1E3953D	687
1E3953DA	687
1E3953EL	687
1E3954D	687
1E3954DA	687
1E3954EL	687
1E3955D	687
1E3955DA	687
1E3955EL	687
1E3956D	687
1E3956DA	687
1E3956EL	687
1E3957D	687
1E3957DA	687
1E3957EL	687
1E3958D	687
1E3958DA	687
1E3958EL	687
1E3959D	687
1E3959DA	687
1E3959EL	687
1E3960D	687
1E3960DA	687
1E3960EL	687
1E3961D	687
1E3961DA	687
1E3961EL	687
1E3962D	687
1E3962DA	687
1E3962EL	687
1E3963D	687
1E3963DA	687
1E3963EL	687
1E3964D	688
1E3964DA	688
1E3964EL	688
1E3965D	688
1E3965DA	688
1E3965EL	688
1E4036	794
1T0123	514, 518, 521
1T0123DA	514, 518, 521
1T0124	514, 518, 522
1T0124DA	514, 518, 522
1T0130	514, 518, 521
1T0130DA	514, 518, 521
1T1696	594, 597, 600
1T1699	594, 597, 600
1T1708	140, 182, 239, 256, 277, 610, 614, 618
1T1709	140, 182, 239, 256, 277

COD.	PAG.
1T1711	140, 183, 239, 257, 278, 610, 614, 618
1T1757	326
1T1898	559, 583, 598, 607, 622, 642, 660, 696, 708, 713, 733, 823
1T1932	583, 713, 821
1T2219	258, 269, 271, 275, 278, 281, 515, 519, 523
1T2220	258, 269, 271, 275, 278, 281, 515, 519, 523
1T2221	258, 269, 271, 275, 278, 281, 515, 519, 523
1T2222	258, 269, 271, 275, 279, 281, 515, 519, 523
1T2223	258, 269, 271, 275, 279, 281, 515, 519, 523
1T2224	258, 269, 271, 275, 279, 281, 515, 519, 523
1T2245	582, 641, 732, 821
1T2266	821
1T2963	319
1T2965	319
1T2966	305, 319, 326
1T2968	305, 319, 326
1T3140	268, 270, 319
1T3141	268, 270, 319
1T3142	140, 183, 239, 257, 269, 271, 278, 320
1T3143	183, 258, 269, 271, 278, 320
1T3144	98, 101, 103, 105, 106, 112, 114, 115, 199, 202, 321, 327
1T3162	513
1T3163	513
1T3164	513
1T3165	513
1T3166	517
1T3167	517
1T3168	517
1T3169	517
1T3170	521
1T3171	521
1T3172	521
1T3173	521
1T3174	513
1T3175	513
1T3176	513
1T3177	513
1T3178	517
1T3179	517
1T3180	517
1T3181	517
1T3182	513
1T3183	513
1T3184	513
1T3185	513
1T3186	517
1T3187	517
1T3188	517
1T3189	517
1T3190	521
1T3191	521
1T3192	521
1T3193	521
1T3194	513
1T3195	513
1T3196	513
1T3197	513
1T3198	517
1T3199	517
1T3200	517
1T3201	517
1T3242DA	514, 518, 522
1T3245	514, 518, 522
1T3246	514, 518, 522
1T3248	515, 519, 522
1T3249	515, 519, 522
1T3250	515, 519, 522
1T3251	519
1T3272	511
1T3273	511
1T3274	511
1T3275	511
1T3296	511
1T3297	511
1T3298	511
1T3299	511
1T3320	511
1T3321	511
1T3322	511
1T3323	511
1T3344	511
1T3345	511
1T3346	511
1T3347	511
1T3423	268, 271, 320
1T3432	183, 257, 269, 271, 278, 320
1T3449	514, 518, 522
1T3450	514, 518, 522
1T3452	514, 518, 522
1T3453	514, 518, 522
1T3483	266
1T3484	266
1T3485	266
1T3486	266
1T3491	266
1T3492	266
1T3493	266
1T3494	266
1T3499	266
1T3500	266
1T3501	266
1T3502	266
1T3586	581, 630, 634, 723, 725, 728, 746, 749, 755, 765, 767, 799
1T3587	630, 634, 723, 725, 728, 746, 749, 755, 765, 767, 799
1T3588	630, 634, 723, 725, 728, 746, 749, 755, 765, 767, 799
1T3625	305
1T3627	305
1T3692	274
1T3692DA	274
1T3693	274
1T3693DA	274
1T3694	274
1T3694DA	274
1T3695	274
1T3695DA	274
1T3696	275
1T3726	630, 634, 723, 725, 728, 746, 749, 755, 765, 767
1T3727	140, 183, 239, 258, 278, 618
1T3781	319
1T3783	319
1T3966	326
1T4061	511
1T4062	511
1T4063	504
1T4065	504
1T4067	504
1T4069	504
1T4071	504
1T4072	504
1T4075	504
1T4186	507
1T4187	507
1T4188	507
1T4189	508
1T4192	537
1T4193	537
1T4194	537
1T4195	537
1T4197	276
1T4197DA	276
1T4198	276
1T4198DA	276
1T4199	276
1T4199DA	276
1T4201	276
1T4201DA	276
1T4202	276
1T4202DA	276
1T4203	276
1T4203DA	276
1T4215D	699
1T4215DA	699
1T4215EL	699
1T4240	504
1T4253	274
1T4253DA	274
1T4254	274
1T4254DA	274
1T4255	274
1T4255DA	274
1T4256	274
1T4256DA	274
1T4257	276
1T4257DA	276
1T4258	276
1T4258DA	276
1T4259	277
1T4259DA	277
1T4260	276
1T4260DA	276
1T4261	276
1T4261DA	276
1T4262	277
1T4262DA	277
1T4322	128, 144, 153, 189, 246, 262, 281, 326, 395
1T4324	189, 262, 281, 327
1T4325	189, 262, 281, 326
1T4369	266
1T4370	266
1T4373	266
1T4374	266
1T4377	266
1T4378	266
1T4381	266
1T4381CA	267
1T4382	266
1T4382CA	267
1T4385	266
1T4385CA	267
1T4386	266
1T4386CA	267
1T4389	266
1T4389CA	267
1T4390	266
1T4390CA	267
1T4439CA	270
1T4440CA	270
1T4441CA	270
1T4442CA	270
1T4443CA	270
1T4444CA	270
1T4445CA	270
1T4446CA	270
1T4447CA	270
1T4448CA	270
1T4449CA	270
1T4450CA	270
1T4455	513
1T4456	513
1T4457	513
1T4458	513
1T4459	517

COD.	PAG.
1T4460	517
1T4461	517
1T4462	517
1T4463	521
1T4464	521
1T4465	514, 518, 521
1T4466	514, 518, 521
1T4467	514, 518, 521
1T4469	514, 518, 522
1T4470	514, 518, 522
1T4472	514, 518, 522
1T4473	514, 518, 522
1T4475	514, 518, 522
1T4476	514, 518, 522
1T4478	514, 518, 522
1T4479	514, 518, 522
1T4499	535
1T4499CA	535
1T4506	535
1T4507	535
1T4512	533
1T4513	533
1T4514	533
1T4515	533
1T4526	324
1T4527	324
1T4528	322
1T4529	322
1T4530	324
1T4531	324
1T4532	322
1T4533	322
1T4538	324
1T4539	324
1T4540	325
1T4541	322
1T4542	323
1T4543	323
1T4544	324
1T4545	324
1T4546	325
1T4547	322
1T4548	323
1T4549	323
1T4550	324
1T4551	325
1T4552	323
1T4553	323
1T4554	324
1T4555	325
1T4556	323
1T4557	323
1T4558	315
1T4559	315
1T4560	311
1T4561	312
1T4562	315
1T4563	315
1T4564	311
1T4565	312
1T4566	315
1T4567	316
1T4568	316
1T4569	312
1T4570	312
1T4571	313
1T4572	315
1T4573	316
1T4574	316
1T4575	312
1T4576	312
1T4577	313
1T4578	315
1T4579	316
1T4580	316
1T4581	312
1T4582	313
1T4583	313
1T4584	315
1T4585	316
1T4586	316
1T4587	312
1T4588	313
1T4589	313
1T4590	316
1T4591	317
1T4592	313
1T4593	313
1T4594	316
1T4595	317
1T4596	313
1T4597	313
1T4598	316
1T4599	317
1T4600	313
1T4601	314
1T4602	316
1T4603	317
1T4604	313
1T4605	314
1T4606	318, 325
1T4607	318, 325
1T4608	325
1T4609	325
1T4609CA	325
1T4610	325
1T4611	325
1T4611CA	325
1T4612	319
1T4613	319
1T4613CA	319
1T4614	319, 325
1T4615	319, 325
1T4615CA	319, 325
1T4616	319
1T4617	319
1T4617CA	319
1T4618	325
1T4619	325
1T4619CA	325
1T4620	325
1T4621	325
1T4621CA	325
1T4622	319
1T4623	319
1T4623CA	319
1T4624	319, 325
1T4625	319, 325
1T4625CA	319, 325
1T4626	319
1T4627	319
1T4627CA	319
1T4628	318, 325
1T4629	318, 325
1T4630	326
1T4631	326
1T4632	304
1T4633	304
1T4634	304
1T4635	304
1T4636	304
1T4637	304
1T4638	305
1T4639	305
1T4640	305
1T4641	305
1T4642	305
1T4643	305
1T4721	128, 144, 153, 188, 246, 261, 280, 326, 395
1T4722	323
1T4724	322
1T4726	323
1T4728	322
1T4754DA	201
1T4754EL	201
1T4755DA	201
1T4755EL	201
1T4756DA	201
1T4756EL	201
1T4757DA	201
1T4757EL	201
1T4758DA	201
1T4758EL	201
1T4759DA	201
1T4759EL	201
1T4760DA	201
1T4760EL	201
1T4761DA	201
1T4761EL	201
1T4762EL	525
1T4763EL	525
1T4764EL	525
1T4765EL	525
1T4766EL	525
1T4767EL	525
1T4768EL	525
1T4769EL	525
1T4781	314
1T4782	314
1T4783	314
1T4784	314
1T4785	311
1T4786	311
1T4787	311
1T4788	311
1T4878	266
1T4879	266
1T4880	266
1T4881	266
1T4882	266
1T4883	266
1T4884	266
1T4885	266
1T4886	266
1T4887	266
1T4888	266
1T4889	266
1T4890	266
1T4891	266
1T4892	266
1T4893	266
1T4894	266
1T4895	266
1T4896	266
1T4896CA	267
1T4897	266
1T4897CA	267
1T4898	266
1T4898CA	267
1T4899	266
1T4899CA	267
1T4900	266
1T4900CA	267
1T4901	266
1T4901CA	267
1T4926DA	185
1T4926EL	185
1T4927DA	185
1T4927EL	185
1T4928DA	185
1T4928EL	185
1T4929DA	185
1T4929EL	185
1T4930DA	185
1T4930EL	185
1T4931DA	185
1T4931EL	185
1T4932DA	185
1T4932EL	185
1T4933DA	185
1T4933EL	185
1T4934DA	185
1T4934EL	185
1T4935DA	185
1T4935EL	185
1T4936DA	185
1T4936EL	185
1T4937DA	185
1T4937EL	185
1T4938DA	185
1T4938EL	185

COD.	PAG.
1T4939DA	185
1T4939EL	185
1T4940DA	185
1T4940EL	185
1T4941DA	185
1T4941EL	185
1T4942DA	185
1T4942EL	185
1T4943DA	185
1T4943EL	185
1T4944DA	186
1T4944EL	186
1T4945DA	186
1T4945EL	186
1T4946DA	186
1T4946EL	186
1T4947DA	186
1T4947EL	186
1T4948DA	185
1T4948EL	185
1T4949DA	185
1T4949EL	185
1T4950DA	186
1T4950EL	186
1T4951DA	186
1T4951EL	186
1T4952DA	186
1T4952EL	186
1T4953DA	186
1T4953EL	186
1T5010DA	260
1T5010EL	259
1T5011DA	260
1T5011EL	259
1T5012DA	260
1T5012EL	259
1T5013DA	260
1T5013EL	259
1T5014DA	260
1T5014EL	259
1T5015DA	260
1T5015EL	259
1T5016DA	260
1T5016EL	259
1T5017DA	260
1T5017EL	259
1T5018DA	260
1T5018EL	259
1T5019DA	260
1T5019EL	259
1T5020DA	260
1T5020EL	259
1T5021DA	260
1T5021EL	259
1T5022DA	260
1T5022EL	259
1T5023DA	260
1T5023EL	259
1T5024DA	261
1T5024EL	259
1T5025DA	261
1T5025EL	259
1T5026DA	261
1T5026EL	260
1T5027DA	261
1T5027EL	260
1T5028DA	260
1T5028EL	259
1T5029DA	260
1T5029EL	259
1T5030DA	261
1T5030EL	259
1T5031DA	261
1T5031EL	259
1T5032DA	261
1T5032EL	260
1T5033DA	261
1T5033EL	260
1T5034DA	254
1T5034EL	254
1T5035DA	254

COD.	PAG.
1T5035EL	254
1T5036DA	254
1T5036EL	254
1T5037DA	254
1T5037EL	254
1T5038DA	254
1T5038EL	254
1T5039DA	254
1T5039EL	254
1T5040DA	254
1T5040EL	254
1T5041DA	254
1T5041EL	254
1T5042DA	254
1T5042EL	254
1T5043DA	255
1T5043EL	255
1T5044DA	254
1T5044EL	254
1T5045DA	255
1T5045EL	255
1T5046DA	255
1T5046EL	255
1T5047DA	255
1T5047EL	255
1T5048DA	255
1T5048EL	255
1T5049DA	255
1T5049EL	255
1T5050DA	254
1T5050EL	254
1T5051DA	254
1T5051EL	254
1T5052DA	254
1T5052EL	254
1T5053DA	254
1T5053EL	254
1T5054DA	254
1T5054EL	254
1T5055DA	254
1T5055EL	254
1T5056DA	254
1T5056EL	254
1T5057DA	254
1T5057EL	254
1T5058DA	254
1T5058EL	254
1T5059DA	255
1T5059EL	255
1T5060DA	254
1T5060EL	254
1T5061DA	255
1T5061EL	255
1T5062DA	255
1T5062EL	255
1T5063DA	255
1T5063EL	255
1T5064DA	255
1T5064EL	255
1T5065DA	255
1T5065EL	255
1T5066DA	255
1T5066EL	255
1T5067DA	255
1T5067EL	255
1T5068DA	255
1T5068EL	255
1T5069DA	255
1T5069EL	255
1T5070DA	255
1T5070EL	255
1T5071DA	256
1T5071EL	256
1T5072DA	255
1T5072EL	255
1T5073DA	256
1T5073EL	256
1T5074DA	256
1T5074EL	256
1T5075DA	256
1T5075EL	256

COD.	PAG.
1T5076DA	256
1T5076EL	256
1T5077DA	256
1T5077EL	256
1T5078DA	256
1T5078EL	256
1T5079DA	256
1T5079EL	256
1T5080DA	256
1T5080EL	256
1T5081DA	256
1T5081EL	256
1T5082DA	255
1T5082EL	255
1T5083DA	255
1T5083EL	255
1T5084DA	255
1T5084EL	255
1T5085DA	255
1T5085EL	255
1T5086DA	255
1T5086EL	255
1T5087DA	256
1T5087EL	256
1T5088DA	255
1T5088EL	255
1T5089DA	256
1T5089EL	256
1T5090DA	256
1T5090EL	256
1T5091DA	256
1T5091EL	256
1T5092DA	256
1T5092EL	256
1T5093DA	256
1T5093EL	256
1T5094DA	256
1T5094EL	256
1T5095DA	256
1T5095EL	256
1T5096DA	256
1T5096EL	256
1T5097DA	256
1T5097EL	256
1T5098DA	176
1T5098EL	176
1T5099DA	176
1T5099EL	176
1T5100DA	176
1T5100EL	176
1T5101DA	176
1T5101EL	176
1T5102DA	176
1T5102EL	176
1T5103DA	176
1T5103EL	176
1T5104DA	176
1T5104EL	176
1T5105DA	176
1T5105EL	176
1T5106DA	176
1T5106EL	176
1T5107DA	177
1T5107EL	177
1T5108DA	176
1T5108EL	176
1T5109DA	177
1T5109EL	177
1T5110DA	177
1T5110EL	177
1T5111DA	177
1T5111EL	177
1T5112DA	177
1T5112EL	177
1T5113DA	177
1T5113EL	177
1T5114DA	176
1T5114EL	176
1T5115DA	176
1T5115EL	176
1T5116DA	176

COD.	PAG.
1T5116EL	176
1T5117DA	176
1T5117EL	176
1T5118DA	176
1T5118EL	176
1T5119DA	176
1T5119EL	176
1T5120DA	176
1T5120EL	176
1T5121DA	176
1T5121EL	176
1T5122DA	176
1T5122EL	176
1T5123DA	177
1T5123EL	177
1T5124DA	176
1T5124EL	176
1T5125DA	177
1T5125EL	177
1T5126DA	177
1T5126EL	177
1T5127DA	177
1T5127EL	177
1T5128DA	177
1T5128EL	177
1T5129DA	177
1T5129EL	177
1T5130DA	177
1T5130EL	177
1T5131DA	177
1T5131EL	177
1T5132DA	177
1T5132EL	177
1T5133DA	177
1T5133EL	177
1T5134DA	177
1T5134EL	177
1T5135DA	178
1T5135EL	178
1T5136DA	177
1T5136EL	177
1T5137DA	178
1T5137EL	178
1T5138DA	178
1T5138EL	178
1T5139DA	178
1T5139EL	178
1T5140DA	178
1T5140EL	178
1T5141DA	178
1T5141EL	178
1T5142DA	178
1T5142EL	178
1T5143DA	178
1T5143EL	178
1T5144DA	178
1T5144EL	178
1T5145DA	178
1T5145EL	178
1T5146DA	177
1T5146EL	177
1T5147DA	177
1T5147EL	177
1T5148DA	177
1T5148EL	177
1T5149DA	177
1T5149EL	177
1T5150DA	177
1T5150EL	177
1T5151DA	178
1T5151EL	178
1T5152DA	177
1T5152EL	177
1T5153DA	178
1T5153EL	178
1T5154DA	178
1T5154EL	178
1T5155DA	178
1T5155EL	178
1T5156DA	178
1T5156EL	178

COD.	PAG.
1T5157DA	178
1T5157EL	178
1T5158DA	178
1T5158EL	178
1T5159DA	178
1T5159EL	178
1T5160DA	178
1T5160EL	178
1T5161DA	178
1T5161EL	178
1T5295D	699
1T5295DA	699
1T5295EL	166, 173, 699
1T5296	324
1T5297	324
1T5298	322
1T5299	322
1T5300	315
1T5301	315
1T5302	312
1T5303	312
1T5304	315
1T5305	315
1T5306	312
1T5307	312
1T5308	314
1T5309	314
1T5310	314
1T5311	314
1T5312	311
1T5313	311
1T5314	311
1T5315	311
1T5325	274
1T5325DA	274
1T5326	274
1T5326DA	274
1T5327	274
1T5327DA	274
1T5328	274
1T5328DA	274
1T5333	274
1T5333DA	274
1T5334	274
1T5334DA	274
1T5335	274
1T5335DA	274
1T5336	274
1T5336DA	274
1T5337	276
1T5337DA	276
1T5338	276
1T5338DA	276
1T5339	276
1T5339DA	276
1T5340	276
1T5340DA	276
1T5341	276
1T5341DA	276
1T5342	276
1T5342DA	276
1T5343	276
1T5343DA	276
1T5344	276
1T5344DA	276
1T5345	277
1T5345DA	277
1T5346	276
1T5346DA	276
1T5347	276
1T5347DA	276
1T5348	277
1T5348DA	277

COD.	PAG.
1T5349	83, 87, 98, 101, 103, 105, 107, 113, 114, 115, 125, 129, 131, 133, 141, 145, 150, 153, 166, 173, 184, 189, 194, 199, 202, 301, 306, 321, 327, 418, 423, 426, 435, 439, 441, 450, 454, 456, 468, 477, 489, 495, 501, 511, 516, 520, 523, 530, 531, 533, 535, 810
1T5349DA8	101, 104, 811
1T5350	810
1T5351	527, 540, 544, 811
1T5352	83, 87, 98, 101, 103, 105, 107, 113, 114, 115, 125, 129, 131, 133, 141, 145, 150, 153, 166, 173, 184, 189, 194, 202, 240, 243, 246, 258, 262, 275, 279, 301, 306, 321, 327, 387, 418, 423, 426, 435, 439, 441, 450, 454, 456, 468, 477, 489, 495, 501, 504, 511, 516, 520, 523, 530, 531, 533, 535, 811
1T5352DA8	101, 104, 811
1T5406DA	201
1T5406EL	201
1T5407DA	201
1T5407EL	201
1T5408DA	201
1T5408EL	201
1T5409DA	201
1T5409EL	201
1T5410DA	201
1T5410EL	201
1T5411DA	201
1T5411EL	201
1T5412DA	201
1T5412EL	201
1T5413DA	201
1T5413EL	201
1T5414EL	525
1T5415EL	525
1T5416EL	525
1T5417EL	525
1T5418EL	525
1T5419EL	525
1T5420EL	525
1T5421EL	525
1T5431DA	84
1T5431EL	84
1T5432DA	84
1T5432EL	84
1T5433DA	84
1T5433EL	84
1T5434DA	84
1T5434EL	84
1T5435DA	84
1T5435EL	84
1T5436DA	84
1T5436EL	84
1T5437DA	84
1T5437EL	84
1T5438DA	84
1T5438EL	84
1T5439DA	84
1T5439EL	84
1T5440DA	84
1T5440EL	84
1T5441DA	85
1T5441EL	85
1T5442DA	85
1T5442EL	85
1T5443DA	85
1T5443EL	85

COD.	PAG.
1T5444DA	85
1T5444EL	85
1T5445DA	85
1T5445EL	85
1T5446DA	85
1T5446EL	85
1T5447DA	85
1T5447EL	85
1T5448DA	85
1T5448EL	85
1T5449DA	85
1T5449EL	85
1T5450DA	85
1T5450EL	85
1T5451DA	86
1T5451EL	86
1T5452DA	86
1T5452EL	86
1T5453DA	86
1T5453EL	86
1T5454DA	86
1T5454EL	86
1T5455DA	86
1T5455EL	86
1T5456DA	86
1T5456EL	86
1T5457DA	86
1T5457EL	86
1T5458DA	86
1T5458EL	86
1T5459DA	86
1T5459EL	86
1T5460DA	86
1T5460EL	86
1T5461DA	445
1T5461EL	445
1T5462DA	445
1T5462EL	445
1T5463DA	445
1T5463EL	445
1T5464DA	445
1T5464EL	445
1T5465DA	445
1T5465EL	445
1T5466DA	445
1T5466EL	445
1T5467DA	445
1T5467EL	445
1T5468DA	445
1T5468EL	445
1T5469DA	445
1T5469EL	445
1T5470DA	445
1T5470EL	445
1T5471DA	446
1T5471EL	446
1T5472DA	446
1T5472EL	446
1T5473DA	446
1T5473EL	446
1T5474DA	446
1T5474EL	446
1T5475DA	446
1T5475EL	446
1T5476DA	446
1T5476EL	446
1T5477DA	446
1T5477EL	446
1T5478DA	446
1T5478EL	446
1T5479DA	446
1T5479EL	446
1T5480DA	446
1T5480EL	446
1T5481DA	447
1T5481EL	447
1T5482DA	447
1T5482EL	447
1T5483DA	447
1T5483EL	447
1T5484DA	447
1T5484EL	447
1T5485DA	447
1T5485EL	447
1T5486DA	447
1T5486EL	447
1T5487DA	447
1T5487EL	447
1T5488DA	447
1T5488EL	447
1T5489DA	447
1T5489EL	447
1T5490DA	447
1T5490EL	447
1T5491DA	472
1T5491EL	472
1T5492DA	472
1T5492EL	472
1T5493DA	472
1T5493EL	472
1T5494DA	472
1T5494EL	472
1T5495DA	472
1T5495EL	472
1T5496DA	472
1T5496EL	472
1T5497DA	472
1T5497EL	472
1T5498DA	472
1T5498EL	472
1T5499DA	472
1T5499EL	472
1T5500DA	472
1T5500EL	472
1T5501DA	472
1T5501EL	472
1T5502DA	472
1T5502EL	472
1T5503DA	473
1T5503EL	473
1T5504DA	473
1T5504EL	473
1T5505DA	473
1T5505EL	473
1T5506DA	473
1T5506EL	473
1T5507DA	473
1T5507EL	473
1T5508DA	473
1T5508EL	473
1T5509DA	473
1T5509EL	473
1T5510DA	473
1T5510EL	473
1T5511DA	473
1T5511EL	473
1T5512DA	473
1T5512EL	473
1T5513DA	473
1T5513EL	473
1T5514DA	473
1T5514EL	473
1T5515DA	472
1T5515EL	472
1T5516DA	472
1T5516EL	472
1T5517DA	472
1T5517EL	472
1T5518DA	472
1T5518EL	472
1T5519DA	472
1T5519EL	472
1T5520DA	472
1T5520EL	472
1T5521DA	473
1T5521EL	473
1T5522DA	473
1T5522EL	473
1T5523DA	473
1T5523EL	473
1T5524DA	473
1T5524EL	473
1T5525DA	473
1T5525EL	473
1T5526DA	473
1T5526EL	473
1T5527DA	472
1T5527EL	472
1T5528DA	472
1T5528EL	472
1T5529DA	472
1T5529EL	472
1T5530DA	472
1T5530EL	472
1T5531DA	472
1T5531EL	472
1T5532DA	472
1T5532EL	472
1T5533DA	472
1T5533EL	472
1T5534DA	472
1T5534EL	472
1T5535DA	472
1T5535EL	472
1T5536DA	472
1T5536EL	472
1T5537DA	472
1T5537EL	472
1T5538DA	472
1T5538EL	472
1T5539DA	473
1T5539EL	473
1T5540DA	473
1T5540EL	473
1T5541DA	473
1T5541EL	473
1T5542DA	473
1T5542EL	473
1T5543DA	473
1T5543EL	473
1T5544DA	473
1T5544EL	473
1T5545DA	473
1T5545EL	473
1T5546DA	473
1T5546EL	473
1T5547DA	473
1T5547EL	473
1T5548DA	473
1T5548EL	473
1T5549DA	473
1T5549EL	473
1T5550DA	473
1T5550EL	473
1T5551DA	474
1T5551EL	474
1T5552DA	474
1T5552EL	474
1T5553DA	474
1T5553EL	474
1T5554DA	474
1T5554EL	474
1T5555DA	474
1T5555EL	474
1T5556DA	474
1T5556EL	474
1T5557DA	474
1T5557EL	474
1T5558DA	474
1T5558EL	474
1T5559DA	474
1T5559EL	474
1T5560DA	474
1T5560EL	474
1T5561DA	474
1T5561EL	474
1T5562DA	474
1T5562EL	474
1T5563DA	474
1T5563EL	474
1T5564DA	474
1T5564EL	474
1T5565DA	474

COD.	PAG.
1T5565EL	474
1T5566DA	474
1T5566EL	474
1T5567DA	474
1T5567EL	474
1T5568DA	474
1T5568EL	474
1T5569DA	474
1T5569EL	474
1T5570DA	474
1T5570EL	474
1T5571DA	474
1T5571EL	474
1T5572DA	474
1T5572EL	474
1T5573DA	474
1T5573EL	474
1T5574DA	474
1T5574EL	474
1T5575DA	474
1T5575EL	474
1T5576DA	474
1T5576EL	474
1T5577DA	474
1T5577EL	474
1T5578DA	474
1T5578EL	474
1T5579DA	474
1T5579EL	474
1T5580DA	474
1T5580EL	474
1T5581DA	474
1T5581EL	474
1T5582DA	474
1T5582EL	474
1T5583DA	474
1T5583EL	474
1T5584DA	474
1T5584EL	474
1T5585DA	474
1T5585EL	474
1T5586DA	474
1T5586EL	474
1T5587DA	475
1T5587EL	475
1T5588DA	475
1T5588EL	475
1T5589DA	475
1T5589EL	475
1T5590DA	475
1T5590EL	475
1T5591DA	475
1T5591EL	475
1T5592DA	475
1T5592EL	475
1T5593DA	475
1T5593EL	475
1T5594DA	475
1T5594EL	475
1T5595DA	475
1T5595EL	475
1T5596DA	475
1T5596EL	475
1T5597DA	475
1T5597EL	475
1T5598DA	475
1T5598EL	475
1T5599DA	476
1T5599EL	476
1T5600DA	476
1T5600EL	476
1T5601DA	476
1T5601EL	476
1T5602DA	476
1T5602EL	476
1T5603DA	476
1T5603EL	476
1T5604DA	476
1T5604EL	476
1T5605DA	476
1T5605EL	476
1T5606DA	476
1T5606EL	476
1T5607DA	476
1T5607EL	476
1T5608DA	476
1T5608EL	476
1T5609DA	476
1T5609EL	476
1T5610DA	476
1T5610EL	476
1T5611DA	475
1T5611EL	475
1T5612DA	475
1T5612EL	475
1T5613DA	475
1T5613EL	475
1T5614DA	475
1T5614EL	475
1T5615DA	475
1T5615EL	475
1T5616DA	475
1T5616EL	475
1T5617DA	476
1T5617EL	476
1T5618DA	476
1T5618EL	476
1T5619DA	476
1T5619EL	476
1T5620DA	476
1T5620EL	476
1T5621DA	476
1T5621EL	476
1T5622DA	476
1T5622EL	476
1T5623DA	475
1T5623EL	475
1T5624DA	475
1T5624EL	475
1T5625DA	475
1T5625EL	475
1T5626DA	475
1T5626EL	475
1T5627DA	475
1T5627EL	475
1T5628DA	475
1T5628EL	475
1T5629DA	475
1T5629EL	475
1T5630DA	475
1T5630EL	475
1T5631DA	475
1T5631EL	475
1T5632DA	475
1T5632EL	475
1T5633DA	475
1T5633EL	475
1T5634DA	475
1T5634EL	475
1T5635DA	409
1T5635EL	409
1T5636DA	409
1T5636EL	409
1T5637DA	409
1T5637EL	409
1T5638DA	409
1T5638EL	409
1T5639DA	409
1T5639EL	409
1T5640DA	409
1T5640EL	409
1T5641DA	409
1T5641EL	409
1T5642DA	409
1T5642EL	409
1T5643DA	409
1T5643EL	409
1T5644DA	409
1T5644EL	409
1T5645DA	409
1T5645EL	409
1T5646DA	409
1T5646EL	409
1T5647DA	410
1T5647EL	410
1T5648DA	410
1T5648EL	410
1T5649DA	410
1T5649EL	410
1T5650DA	410
1T5650EL	410
1T5651DA	410
1T5651EL	410
1T5652DA	410
1T5652EL	410
1T5653DA	410
1T5653EL	410
1T5654DA	410
1T5654EL	410
1T5655DA	410
1T5655EL	410
1T5656DA	410
1T5656EL	410
1T5657DA	410
1T5657EL	410
1T5658DA	410
1T5658EL	410
1T5659DA	410
1T5659EL	410
1T5660DA	410
1T5660EL	410
1T5661DA	410
1T5661EL	410
1T5662DA	410
1T5662EL	410
1T5663DA	410
1T5663EL	410
1T5664DA	410
1T5664EL	410
1T5665DA	410
1T5665EL	410
1T5666DA	410
1T5666EL	410
1T5667DA	410
1T5667EL	410
1T5668DA	410
1T5668EL	410
1T5669DA	410
1T5669EL	410
1T5670DA	410
1T5670EL	410
1T5671DA	410
1T5671EL	410
1T5672DA	410
1T5672EL	410
1T5673DA	410
1T5673EL	410
1T5674DA	410
1T5674EL	410
1T5675DA	410
1T5675EL	410
1T5676DA	410
1T5676EL	410
1T5677DA	410
1T5677EL	410
1T5678DA	410
1T5678EL	410
1T5679DA	410
1T5679EL	410
1T5680DA	410
1T5680EL	410
1T5681DA	410
1T5681EL	410
1T5682DA	410
1T5682EL	410
1T5683DA	411
1T5683EL	411
1T5684DA	411
1T5684EL	411
1T5685DA	411
1T5685EL	411
1T5686DA	411
1T5686EL	411

COD.	PAG.
1T5687DA	411
1T5687EL	411
1T5688DA	411
1T5688EL	411
1T5689DA	411
1T5689EL	411
1T5690DA	411
1T5690EL	411
1T5691DA	411
1T5691EL	411
1T5692DA	411
1T5692EL	411
1T5693DA	411
1T5693EL	411
1T5694DA	411
1T5694EL	411
1T5695DA	412
1T5695EL	412
1T5696DA	412
1T5696EL	412
1T5697DA	412
1T5697EL	412
1T5698DA	412
1T5698EL	412
1T5699DA	412
1T5699EL	412
1T5700DA	412
1T5700EL	412
1T5701DA	412
1T5701EL	412
1T5702DA	412
1T5702EL	412
1T5703DA	412
1T5703EL	412
1T5704DA	412
1T5704EL	412
1T5705DA	412
1T5705EL	412
1T5706DA	412
1T5706EL	412
1T5707DA	411
1T5707EL	411
1T5708DA	411
1T5708EL	411
1T5709DA	411
1T5709EL	411
1T5710DA	411
1T5710EL	411
1T5711DA	411
1T5711EL	411
1T5712DA	411
1T5712EL	411
1T5713DA	412
1T5713EL	412
1T5714DA	412
1T5714EL	412
1T5715DA	412
1T5715EL	412
1T5716DA	412
1T5716EL	412
1T5717DA	412
1T5717EL	412
1T5718DA	412
1T5718EL	412
1T5719DA	411
1T5719EL	411
1T5720DA	411
1T5720EL	411
1T5721DA	411
1T5721EL	411
1T5722DA	411
1T5722EL	411
1T5723DA	411
1T5723EL	411
1T5724DA	411
1T5724EL	411
1T5725DA	411
1T5725EL	411
1T5726DA	411
1T5726EL	411
1T5727DA	411
1T5727EL	411
1T5728DA	411
1T5728EL	411
1T5729DA	411
1T5729EL	411
1T5730DA	411
1T5730EL	411
1T5731DA	412
1T5731EL	412
1T5732DA	412
1T5732EL	412
1T5733DA	412
1T5733EL	412
1T5734DA	412
1T5734EL	412
1T5735DA	412
1T5735EL	412
1T5736DA	412
1T5736EL	412
1T5737DA	412
1T5737EL	412
1T5738DA	412
1T5738EL	412
1T5739DA	412
1T5739EL	412
1T5740DA	412
1T5740EL	412
1T5741DA	412
1T5741EL	412
1T5742DA	412
1T5742EL	412
1T5743DA	413
1T5743EL	413
1T5744DA	413
1T5744EL	413
1T5745DA	413
1T5745EL	413
1T5746DA	413
1T5746EL	413
1T5747DA	413
1T5747EL	413
1T5748DA	413
1T5748EL	413
1T5749DA	413
1T5749EL	413
1T5750DA	413
1T5750EL	413
1T5751DA	413
1T5751EL	413
1T5752DA	413
1T5752EL	413
1T5753DA	413
1T5753EL	413
1T5754DA	413
1T5754EL	413
1T5755DA	413
1T5755EL	413
1T5756DA	413
1T5756EL	413
1T5757DA	413
1T5757EL	413
1T5758DA	413
1T5758EL	413
1T5759DA	413
1T5759EL	413
1T5760DA	413
1T5760EL	413
1T5761DA	413
1T5761EL	413
1T5762DA	413
1T5762EL	413
1T5763DA	413
1T5763EL	413
1T5764DA	413
1T5764EL	413
1T5765DA	413
1T5765EL	413
1T5766DA	413
1T5766EL	413
1T5767DA	413
1T5767EL	413
1T5768DA	413
1T5768EL	413
1T5769DA	413
1T5769EL	413
1T5770DA	413
1T5770EL	413
1T5771DA	413
1T5771EL	413
1T5772DA	413
1T5772EL	413
1T5773DA	413
1T5773EL	413
1T5774DA	413
1T5774EL	413
1T5775DA	413
1T5775EL	413
1T5776DA	413
1T5776EL	413
1T5777DA	413
1T5777EL	413
1T5778DA	413
1T5778EL	413
1T5779DA	80
1T5779EL	80
1T5780DA	80
1T5780EL	80
1T5781DA	80
1T5781EL	80
1T5782DA	80
1T5782EL	80
1T5783DA	80
1T5783EL	80
1T5784DA	80
1T5784EL	80
1T5785DA	80
1T5785EL	80
1T5786DA	80
1T5786EL	80
1T5787DA	80
1T5787EL	80
1T5788DA	80
1T5788EL	80
1T5789DA	80
1T5789EL	80
1T5790DA	80
1T5790EL	80
1T5791DA	80
1T5791EL	80
1T5792DA	80
1T5792EL	80
1T5793DA	80
1T5793EL	80
1T5794DA	80
1T5794EL	80
1T5795DA	80
1T5795EL	80
1T5796DA	80
1T5796EL	80
1T5797DA	80
1T5797EL	80
1T5798DA	80
1T5798EL	80
1T5799DA	81
1T5799EL	81
1T5800DA	81
1T5800EL	81
1T5801DA	81
1T5801EL	81
1T5802DA	81
1T5802EL	81
1T5803DA	81
1T5803EL	81
1T5804DA	81
1T5804EL	81
1T5805DA	81
1T5805EL	81
1T5806DA	81
1T5806EL	81
1T5807DA	81
1T5807EL	81
1T5808DA	81

COD.	PAG.
1T5808EL	81
1T5809DA	81
1T5809EL	81
1T5810DA	81
1T5810EL	81
1T5811DA	81
1T5811EL	81
1T5812DA	81
1T5812EL	81
1T5813DA	81
1T5813EL	81
1T5814DA	81
1T5814EL	81
1T5815DA	81
1T5815EL	81
1T5816DA	81
1T5816EL	81
1T5817DA	81
1T5817EL	81
1T5818DA	81
1T5818EL	81
1T5819DA	82
1T5819EL	82
1T5820DA	82
1T5820EL	82
1T5821DA	82
1T5821EL	82
1T5822DA	82
1T5822EL	82
1T5823DA	82
1T5823EL	82
1T5824DA	82
1T5824EL	82
1T5825DA	82
1T5825EL	82
1T5826DA	82
1T5826EL	82
1T5827DA	82
1T5827EL	82
1T5828DA	82
1T5828EL	82
1T5829DA	82
1T5829EL	82
1T5830DA	82
1T5830EL	82
1T5831DA	82
1T5831EL	82
1T5832DA	82
1T5832EL	82
1T5833DA	82
1T5833EL	82
1T5834DA	82
1T5834EL	82
1T5835DA	82
1T5835EL	82
1T5836DA	82
1T5836EL	82
1T5837DA	82
1T5837EL	82
1T5838DA	82
1T5838EL	82
1T5839DA	431
1T5839EL	431
1T5840DA	431
1T5840EL	431
1T5841DA	431
1T5841EL	431
1T5842DA	431
1T5842EL	431
1T5843DA	431
1T5843EL	431
1T5844DA	431
1T5844EL	431
1T5845DA	431
1T5845EL	431
1T5846DA	431
1T5846EL	431
1T5847DA	431
1T5847EL	431
1T5848DA	431
1T5848EL	431

COD.	PAG.
1T5849DA	431
1T5849EL	431
1T5850DA	431
1T5850EL	431
1T5851DA	431
1T5851EL	431
1T5852DA	431
1T5852EL	431
1T5853DA	431
1T5853EL	431
1T5854DA	431
1T5854EL	431
1T5855DA	431
1T5855EL	431
1T5856DA	431
1T5856EL	431
1T5857DA	431
1T5857EL	431
1T5858DA	431
1T5858EL	431
1T5859DA	432
1T5859EL	432
1T5860DA	432
1T5860EL	432
1T5861DA	432
1T5861EL	432
1T5862DA	432
1T5862EL	432
1T5863DA	432
1T5863EL	432
1T5864DA	432
1T5864EL	432
1T5865DA	432
1T5865EL	432
1T5866DA	432
1T5866EL	432
1T5867DA	432
1T5867EL	432
1T5868DA	432
1T5868EL	432
1T5869DA	432
1T5869EL	432
1T5870DA	432
1T5870EL	432
1T5871DA	432
1T5871EL	432
1T5872DA	432
1T5872EL	432
1T5873DA	432
1T5873EL	432
1T5874DA	432
1T5874EL	432
1T5875DA	432
1T5875EL	432
1T5876DA	432
1T5876EL	432
1T5877DA	432
1T5877EL	432
1T5878DA	432
1T5878EL	432
1T5879DA	433
1T5879EL	433
1T5880DA	433
1T5880EL	433
1T5881DA	433
1T5881EL	433
1T5882DA	433
1T5882EL	433
1T5883DA	433
1T5883EL	433
1T5884DA	433
1T5884EL	433
1T5885DA	433
1T5885EL	433
1T5886DA	433
1T5886EL	433
1T5887DA	433
1T5887EL	433
1T5888DA	433
1T5888EL	433
1T5889DA	433

COD.	PAG.
1T5889EL	433
1T5890DA	433
1T5890EL	433
1T5891DA	433
1T5891EL	433
1T5892DA	433
1T5892EL	433
1T5893DA	433
1T5893EL	433
1T5894DA	433
1T5894EL	433
1T5895DA	433
1T5895EL	433
1T5896DA	433
1T5896EL	433
1T5897DA	433
1T5897EL	433
1T5898DA	433
1T5898EL	433
1T5899	418, 422, 425, 429, 477
1T5900	418, 422, 425, 429, 477
1T5901	418, 422, 425, 429, 477
1T5902	418, 422, 425, 429, 477
1T5903	418, 422, 425, 429, 477
1T5904	418, 422, 425, 429, 477
1T5905DA	199, 418, 422, 425, 477
1T5905EL	418, 422, 425, 477
1T5906DA	418, 422, 425, 477
1T5906EL	418, 422, 425, 477
1T5907DA	418, 422, 425, 477
1T5907EL	418, 422, 425, 477
1T5908	450, 453, 455, 458
1T5911	418, 422, 425, 429, 434, 439, 441, 443, 450, 454, 456, 458
1T5912	417, 422, 425, 429, 476
1T5913	417, 422, 425, 429, 476
1T5914	417, 422, 425, 429, 476
1T5915	434
1T5916	434
1T5917	434
1T5918	83
1T5919	83
1T5920	83
1T5921	434
1T5937	417, 421, 424, 428, 434, 438, 440, 442
1T5938	417, 421, 424, 428, 434, 438, 440, 442
1T5939	417, 421, 424, 428
1T5940DA	448
1T5940EL	448
1T5941DA	448
1T5941EL	448
1T5942DA	448
1T5942EL	448
1T5943DA	448
1T5943EL	448
1T5944DA	448
1T5944EL	448
1T5945DA	448
1T5945EL	448
1T5946DA	449
1T5946EL	449
1T5947DA	449
1T5947EL	449
1T5948DA	449
1T5948EL	449
1T5949DA	449
1T5949EL	449
1T5950DA	449

COD.	PAG.
1T5950EL	449
1T5951DA	449
1T5951EL	449
1T5952DA	186
1T5952EL	186
1T5953DA	186
1T5953EL	186
1T5954DA	186
1T5954EL	186
1T5955DA	186
1T5955EL	186
1T5956DA	187
1T5956EL	187
1T5957DA	187
1T5957EL	187
1T5958DA	187
1T5958EL	187
1T5959DA	187
1T5959EL	187
1T5960DA	186
1T5960EL	186
1T5961DA	186
1T5961EL	186
1T5962DA	186
1T5962EL	186
1T5963DA	186
1T5963EL	186
1T5964DA	187
1T5964EL	187
1T5965DA	187
1T5965EL	187
1T5966DA	187
1T5966EL	187
1T5967DA	187
1T5967EL	187
1T5968DA	186
1T5968EL	186
1T5969DA	186
1T5969EL	186
1T5970DA	187
1T5970EL	187
1T5971DA	187
1T5971EL	187
1T5972DA	187
1T5972EL	187
1T5973DA	187
1T5973EL	187
1T5974DA	186
1T5974EL	186
1T5975DA	186
1T5975EL	186
1T5976DA	414
1T5976EL	414
1T5977DA	414
1T5977EL	414
1T5978DA	414
1T5978EL	414
1T5979DA	414
1T5979EL	414
1T5980DA	414
1T5980EL	414
1T5981DA	414
1T5981EL	414
1T5982DA	414
1T5982EL	414
1T5983DA	414
1T5983EL	414
1T5984DA	414
1T5984EL	414
1T5985DA	414
1T5985EL	414
1T5986DA	414
1T5986EL	414
1T5987DA	414
1T5987EL	414
1T5988DA	415
1T5988EL	415
1T5989DA	415
1T5989EL	415
1T5990DA	415
1T5990EL	415

COD.	PAG.
1T5991DA	415
1T5991EL	415
1T5992DA	415
1T5992EL	415
1T5993DA	415
1T5993EL	415
1T5994DA	415
1T5994EL	415
1T5995DA	415
1T5995EL	415
1T5996DA	415
1T5996EL	415
1T5997DA	415
1T5997EL	415
1T5998DA	415
1T5998EL	415
1T5999DA	415
1T5999EL	415
1T6000DA	416
1T6000EL	416
1T6001DA	416
1T6001EL	416
1T6002DA	416
1T6002EL	416
1T6003DA	416
1T6003EL	416
1T6004DA	416
1T6004EL	416
1T6005DA	416
1T6005EL	416
1T6006DA	416
1T6006EL	416
1T6007DA	416
1T6007EL	416
1T6008DA	416
1T6008EL	416
1T6009DA	416
1T6009EL	416
1T6010DA	416
1T6010EL	416
1T6011DA	416
1T6011EL	416
1T6012	83
1T6013	83
1T6014	83
1T6015DA	444
1T6015EL	444
1T6016DA	444
1T6016EL	444
1T6017DA	444
1T6017EL	444
1T6018DA	444
1T6018EL	444
1T6019DA	430
1T6019EL	430
1T6020DA	430
1T6020EL	430
1T6021DA	430
1T6021EL	430
1T6022DA	430
1T6022EL	430
1T6023DA	430
1T6023EL	430
1T6024DA	430
1T6024EL	430
1T6025DA	430
1T6025EL	430
1T6026DA	430
1T6026EL	430
1T6027DA	408
1T6027EL	408
1T6028DA	408
1T6028EL	408
1T6029DA	408
1T6029EL	408
1T6030DA	408
1T6030EL	408
1T6031DA	408
1T6031EL	408
1T6032DA	408
1T6032EL	408

COD.	PAG.
1T6033DA	408
1T6033EL	408
1T6034DA	408
1T6034EL	408
1T6035DA	408
1T6035EL	408
1T6036DA	408
1T6036EL	408
1T6037DA	408
1T6037EL	408
1T6038DA	408
1T6038EL	408
1T6039DA	409
1T6039EL	409
1T6040DA	409
1T6040EL	409
1T6041DA	409
1T6041EL	409
1T6042DA	409
1T6042EL	409
1T6043DA	409
1T6043EL	409
1T6044DA	409
1T6044EL	409
1T6045DA	409
1T6045EL	409
1T6046DA	409
1T6046EL	409
1T6047DA	409
1T6047EL	409
1T6048DA	409
1T6048EL	409
1T6049DA	409
1T6049EL	409
1T6050DA	409
1T6050EL	409
1T6051	434, 439, 441, 443
1T6052	434, 439, 441, 443
1T6053	220
1T6054	220
1T6055	220
1T6056	220
1T6057	220
1T6058	220
1T6059	227
1T6060	226
1T6061	226
1T6062	226
1T6063	226
1T6064	227
1T6066DA	482
1T6066EL	482
1T6067DA	482
1T6067EL	482
1T6068DA	482
1T6068EL	482
1T6069DA	482
1T6069EL	482
1T6070DA	482
1T6070EL	482
1T6071DA	482
1T6071EL	482
1T6072DA	482
1T6072EL	482
1T6073DA	482
1T6073EL	482
1T6074DA	482
1T6074EL	482
1T6075DA	482
1T6075EL	482
1T6076DA	482
1T6076EL	482
1T6077DA	482
1T6077EL	482
1T6078DA	483
1T6078EL	483
1T6079DA	483
1T6079EL	483
1T6080DA	483
1T6080EL	483
1T6081DA	483

COD.	PAG.
1T6081EL	483
1T6082DA	483
1T6082EL	483
1T6083DA	483
1T6083EL	483
1T6084DA	483
1T6084EL	483
1T6085DA	483
1T6085EL	483
1T6086DA	483
1T6086EL	483
1T6087DA	483
1T6087EL	483
1T6088DA	483
1T6088EL	483
1T6089DA	483
1T6089EL	483
1T6090DA	482
1T6090EL	482
1T6091DA	482
1T6091EL	482
1T6092DA	482
1T6092EL	482
1T6093DA	482
1T6093EL	482
1T6094DA	482
1T6094EL	482
1T6095DA	482
1T6095EL	482
1T6096DA	482
1T6096EL	482
1T6097DA	482
1T6097EL	482
1T6098DA	482
1T6098EL	482
1T6099DA	482
1T6099EL	482
1T6100DA	482
1T6100EL	482
1T6101DA	482
1T6101EL	482
1T6102DA	482
1T6102EL	482
1T6103DA	482
1T6103EL	482
1T6104DA	482
1T6104EL	482
1T6105DA	482
1T6105EL	482
1T6106DA	482
1T6106EL	482
1T6107DA	482
1T6107EL	482
1T6114DA	483
1T6114EL	483
1T6115DA	483
1T6115EL	483
1T6116DA	483
1T6116EL	483
1T6117DA	483
1T6117EL	483
1T6118DA	483
1T6118EL	483
1T6119DA	483
1T6119EL	483
1T6126DA	483
1T6126EL	483
1T6127DA	483
1T6127EL	483
1T6128DA	483
1T6128EL	483
1T6129DA	483
1T6129EL	483
1T6130DA	483
1T6130EL	483
1T6131DA	483
1T6131EL	483
1T6138DA	483
1T6138EL	483
1T6139DA	483
1T6139EL	483

COD.	PAG.
1T6140DA	483
1T6140EL	483
1T6141DA	483
1T6141EL	483
1T6142DA	483
1T6142EL	483
1T6143DA	483
1T6143EL	483
1T6144DA	484
1T6144EL	484
1T6145DA	484
1T6145EL	484
1T6146DA	484
1T6146EL	484
1T6147DA	484
1T6147EL	484
1T6148DA	484
1T6148EL	484
1T6149DA	484
1T6149EL	484
1T6150DA	484
1T6150EL	484
1T6151DA	484
1T6151EL	484
1T6152DA	484
1T6152EL	484
1T6153DA	484
1T6153EL	484
1T6154DA	484
1T6154EL	484
1T6155DA	484
1T6155EL	484
1T6156DA	485
1T6156EL	485
1T6157DA	485
1T6157EL	485
1T6158DA	485
1T6158EL	485
1T6159DA	485
1T6159EL	485
1T6160DA	485
1T6160EL	485
1T6161DA	485
1T6161EL	485
1T6162DA	484
1T6162EL	484
1T6163DA	484
1T6163EL	484
1T6164DA	484
1T6164EL	484
1T6165DA	484
1T6165EL	484
1T6166DA	484
1T6166EL	484
1T6167DA	484
1T6167EL	484
1T6168DA	484
1T6168EL	484
1T6169DA	484
1T6169EL	484
1T6170DA	484
1T6170EL	484
1T6171DA	484
1T6171EL	484
1T6172DA	484
1T6172EL	484
1T6173DA	484
1T6173EL	484
1T6174DA	484
1T6174EL	484
1T6175DA	484
1T6175EL	484
1T6176DA	484
1T6176EL	484
1T6177DA	484
1T6177EL	484
1T6178DA	484
1T6178EL	484
1T6179DA	484
1T6179EL	484
1T6186DA	485

COD.	PAG.
1T6186EL	485
1T6187DA	485
1T6187EL	485
1T6188DA	485
1T6188EL	485
1T6189DA	485
1T6189EL	485
1T6190DA	485
1T6190EL	485
1T6191DA	485
1T6191EL	485
1T6198DA	484
1T6198EL	484
1T6199DA	484
1T6199EL	484
1T6200DA	484
1T6200EL	484
1T6201DA	484
1T6201EL	484
1T6202DA	484
1T6202EL	484
1T6203DA	484
1T6203EL	484
1T6210DA	485
1T6210EL	485
1T6211DA	485
1T6211EL	485
1T6212DA	485
1T6212EL	485
1T6213DA	485
1T6213EL	485
1T6214DA	485
1T6214EL	485
1T6215DA	485
1T6215EL	485
1T6216DA	485
1T6216EL	485
1T6217DA	485
1T6217EL	485
1T6218DA	485
1T6218EL	485
1T6219DA	485
1T6219EL	485
1T6220DA	485
1T6220EL	485
1T6221DA	485
1T6221EL	485
1T6222DA	486
1T6222EL	486
1T6223DA	486
1T6223EL	486
1T6224DA	486
1T6224EL	486
1T6225DA	486
1T6225EL	486
1T6226DA	486
1T6226EL	486
1T6227DA	486
1T6227EL	486
1T6228DA	486
1T6228EL	486
1T6229DA	486
1T6229EL	486
1T6230DA	486
1T6230EL	486
1T6231DA	486
1T6231EL	486
1T6232DA	486
1T6232EL	486
1T6233DA	486
1T6233EL	486
1T6234DA	485
1T6234EL	485
1T6235DA	485
1T6235EL	485
1T6236DA	485
1T6236EL	485
1T6237DA	485
1T6237EL	485
1T6238DA	485
1T6238EL	485

COD.	PAG.
1T6239DA	485
1T6239EL	485
1T6240DA	486
1T6240EL	486
1T6241DA	486
1T6241EL	486
1T6242DA	486
1T6242EL	486
1T6243DA	486
1T6243EL	486
1T6244DA	486
1T6244EL	486
1T6245DA	486
1T6245EL	486
1T6246DA	486
1T6246EL	486
1T6247DA	486
1T6247EL	486
1T6248DA	486
1T6248EL	486
1T6249DA	486
1T6249EL	486
1T6250DA	486
1T6250EL	486
1T6251DA	486
1T6251EL	486
1T6252DA	486
1T6252EL	486
1T6253DA	486
1T6253EL	486
1T6254DA	486
1T6254EL	486
1T6255DA	486
1T6255EL	486
1T6256DA	486
1T6256EL	486
1T6257DA	486
1T6257EL	486
1T6258DA	487
1T6258EL	487
1T6259DA	487
1T6259EL	487
1T6260DA	487
1T6260EL	487
1T6261DA	487
1T6261EL	487
1T6262DA	487
1T6262EL	487
1T6263DA	487
1T6263EL	487
1T6264DA	487
1T6264EL	487
1T6265DA	487
1T6265EL	487
1T6266DA	487
1T6266EL	487
1T6267DA	487
1T6267EL	487
1T6268DA	487
1T6268EL	487
1T6269DA	487
1T6269EL	487
1T6270DA	487
1T6270EL	487
1T6271DA	487
1T6271EL	487
1T6272DA	487
1T6272EL	487
1T6273DA	487
1T6273EL	487
1T6274DA	487
1T6274EL	487
1T6275DA	487
1T6275EL	487
1T6276DA	487
1T6276EL	487
1T6277DA	487
1T6277EL	487
1T6278DA	487
1T6278EL	487
1T6279DA	487
1T6279EL	487
1T6280DA	487
1T6280EL	487
1T6281DA	487
1T6281EL	487
1T6282	488
1T6285	488
1T6288DA	488
1T6288EL	488
1T6289DA	488
1T6289EL	488
1T6290DA	488
1T6290EL	488
1T6291	488
1T6292	488
1T6293	488
1T6294	488
1T6295	488
1T6296	488
1T6297	488
1T6298	488
1T6299	488
1T6300	488
1T6301	488
1T6302	488
1T6303	488
1T6304	488
1T6305	488
1T6306	488
1T6307	488
1T6308	488
1T6309DA	531
1T6309EL	531
1T6310DA	531
1T6310EL	531
1T6311DA	531
1T6311EL	531
1T6312DA	531
1T6312EL	531
1T6313DA	530
1T6313EL	530
1T6314DA	530
1T6314EL	530
1T6315DA	530
1T6315EL	530
1T6316DA	530
1T6316EL	530
1T6317	280
1T6318	280
1T6319	280
1T6320	280
1T6321	280
1T6322	280
1T6323	280
1T6324	280
1T6325	332
1T6326	332
1T6327	332
1T6328	332
1T6329	333
1T6330	333
1T6331	331
1T6332	331
1T6333	207
1T6334	207
1T6335	206
1T6336	206
1T6337	332
1T6338	332
1T6339	332
1T6340	332
1T6341	333
1T6342	333
1T6343	331
1T6344	331
1T6345	207
1T6346	207
1T6347	206
1T6348	206
1T6349	332
1T6350	332
1T6351	332
1T6352	332
1T6353	333
1T6354	333
1T6355	331
1T6356	331
1T6357	207
1T6358	207
1T6359	206
1T6360	206
1T6381	188, 261, 280, 326
1T6382	320
1T6383	188, 261, 280, 326
1T6384	320
1T6385	188, 261, 280, 326
1T6387	188, 261, 280, 326
1T6389	188, 261, 280, 326
1T6391	188, 261, 280, 326
1T6393	188, 261, 280, 326
1T6394	320
1T6401	488
1T6402	488
1T6403	488
1T6404	488
1T6405	488
1T6406	488
1T6419DA	187
1T6419EL	187
1T6420DA	187
1T6420EL	187
1T6421DA	187
1T6421EL	187
1T6422DA	187
1T6422EL	187
1T6423	187
1T6424	187
1T6425	188
1T6426	187
1T6427	187
1T6428	188
1T6429DA	179
1T6429EL	179
1T6430DA	179
1T6430EL	179
1T6431DA	179
1T6431EL	179
1T6432DA	179
1T6432EL	179
1T6433DA	179
1T6433EL	179
1T6434DA	179
1T6434EL	179
1T6435DA	179
1T6435EL	179
1T6436DA	179
1T6436EL	179
1T6437DA	179
1T6437EL	179
1T6438DA	180
1T6438EL	180
1T6439DA	179
1T6439EL	179
1T6440DA	180
1T6440EL	180
1T6441DA	180
1T6441EL	180
1T6442DA	180
1T6442EL	180
1T6443DA	180
1T6443EL	180
1T6444DA	180
1T6444EL	180
1T6445DA	179
1T6445EL	179
1T6446DA	179
1T6446EL	179
1T6447DA	179
1T6447EL	179
1T6448DA	179
1T6448EL	179
1T6449DA	179

COD.	PAG.
1T6449EL	179
1T6450DA	179
1T6450EL	179
1T6451DA	179
1T6451EL	179
1T6452DA	179
1T6452EL	179
1T6453DA	179
1T6453EL	179
1T6454DA	180
1T6454EL	180
1T6455DA	179
1T6455EL	179
1T6456DA	180
1T6456EL	180
1T6457DA	180
1T6457EL	180
1T6458DA	180
1T6458EL	180
1T6459DA	180
1T6459EL	180
1T6460DA	180
1T6460EL	180
1T6461DA	180
1T6461EL	180
1T6462DA	180
1T6462EL	180
1T6463DA	180
1T6463EL	180
1T6464DA	180
1T6464EL	180
1T6465DA	180
1T6465EL	180
1T6466DA	181
1T6466EL	181
1T6467DA	180
1T6467EL	180
1T6468DA	181
1T6468EL	181
1T6469DA	181
1T6469EL	181
1T6470DA	181
1T6470EL	181
1T6471DA	181
1T6471EL	181
1T6472DA	181
1T6472EL	181
1T6473DA	181
1T6473EL	181
1T6474DA	181
1T6474EL	181
1T6475DA	181
1T6475EL	181
1T6476DA	181
1T6476EL	181
1T6477DA	180
1T6477EL	180
1T6478DA	180
1T6478EL	180
1T6479DA	180
1T6479EL	180
1T6480DA	180
1T6480EL	180
1T6481DA	180
1T6481EL	180
1T6482DA	181
1T6482EL	181
1T6483DA	180
1T6483EL	180
1T6484DA	181
1T6484EL	181
1T6485DA	181
1T6485EL	181
1T6486DA	181
1T6486EL	181
1T6487DA	181
1T6487EL	181
1T6488DA	181
1T6488EL	181
1T6489DA	181
1T6489EL	181

COD.	PAG.
1T6490DA	181
1T6490EL	181
1T6491DA	181
1T6491EL	181
1T6492DA	181
1T6492EL	181
1T6493	182
1T6494	182
1T6495	182
1T6496	182
1T6497	182
1T6498	182
1T6499	560, 583, 598, 607, 622, 642, 660, 696, 709, 713, 733, 824
1T6500	220
1T6501	227
1T6502	83, 87, 418, 434, 450, 477
1T6506	182, 257, 277
1T6507	182, 257, 277
1T6508	182, 257, 277
1T6509	182, 257, 277
1T6510	182, 257, 277
1T6511	182, 257, 277
1T6512	183, 257, 277
1T6521	189, 262, 281
1T6522	183, 257, 268, 271, 278
1T6523	275
1T6524	206, 207, 331, 333
1T6525	333
1T6526	333
1T6527	333
1T6528	331
1T6529	331
1T6530	331
1T6543D	231
1T6543DA	232
1T6543EL	230
1T6544D	231
1T6544DA	232
1T6544EL	230
1T6545D	231
1T6545DA	232
1T6545EL	230
1T6546D	231
1T6546DA	232
1T6546EL	230
1T6547D	231
1T6547DA	232
1T6547EL	230
1T6548D	231
1T6548DA	232
1T6548EL	230
1T6549D	231
1T6549DA	232
1T6549EL	230
1T6550D	231
1T6550DA	232
1T6550EL	230
1T6563DA	192
1T6563EL	192
1T6564DA	192
1T6564EL	192
1T6565DA	192
1T6565EL	192
1T6566DA	192
1T6566EL	192
1T6567DA	192
1T6567EL	192
1T6568DA	192
1T6568EL	192
1T6569DA	192
1T6569EL	192
1T6570DA	192
1T6570EL	192
1T6571	193, 234
1T6572	193, 234
1T6573	193, 234
1T6574	193, 234

COD.	PAG.
1T6575	193, 234
1T6576	193, 234
1T6579	193
1T6580	193
1T6581	631, 635, 724, 727, 729, 747, 750, 756, 765, 767, 800
1T6582DA	245
1T6582EL	244
1T6583DA	245
1T6583EL	244
1T6584DA	245
1T6584EL	244
1T6585DA	245
1T6585EL	244
1T6586DA	245
1T6586EL	244
1T6587DA	245
1T6587EL	244
1T6588DA	245
1T6588EL	244
1T6589DA	245
1T6589EL	244
1T6590DA	245
1T6590EL	244
1T6591DA	245
1T6591EL	244
1T6592DA	245
1T6592EL	244
1T6593DA	245
1T6593EL	244
1T6594DA	245
1T6594EL	244
1T6595DA	245
1T6595EL	244
1T6596DA	245
1T6596EL	244
1T6597DA	245
1T6597EL	244
1T6598DA	245
1T6598EL	244
1T6599DA	245
1T6599EL	244
1T6600DA	238
1T6600EL	238
1T6601DA	238
1T6601EL	238
1T6602DA	238
1T6602EL	238
1T6603DA	238
1T6603EL	238
1T6604DA	238
1T6604EL	238
1T6605DA	238
1T6605EL	238
1T6606DA	239
1T6606EL	238
1T6607DA	239
1T6607EL	238
1T6608DA	239
1T6608EL	238
1T6609DA	239
1T6609EL	238
1T6610DA	239
1T6610EL	238
1T6611DA	239
1T6611EL	238
1T6612DA	239
1T6612EL	238
1T6613DA	239
1T6613EL	238
1T6614DA	239
1T6614EL	238
1T6615DA	239
1T6615EL	238
1T6616DA	239
1T6616EL	238
1T6617DA	239
1T6617EL	238
1T6619DA	388
1T6619EL	388

COD.	PAG.
1T6620DA	388
1T6620EL	388
1T6621DA	388
1T6621EL	388
1T6622DA	388
1T6622EL	388
1T6623DA	388
1T6623EL	388
1T6624DA	388
1T6624EL	388
1T6625DA	388
1T6625EL	388
1T6626DA	388
1T6626EL	388
1T6627DA	388
1T6627EL	388
1T6628DA	388
1T6628EL	388
1T6629DA	388
1T6629EL	388
1T6630DA	388
1T6630EL	388
1T6631DA	389
1T6631EL	389
1T6632DA	389
1T6632EL	389
1T6633DA	389
1T6633EL	389
1T6634DA	389
1T6634EL	389
1T6635DA	389
1T6635EL	389
1T6636DA	389
1T6636EL	389
1T6637DA	389
1T6637EL	389
1T6638DA	389
1T6638EL	389
1T6639DA	398
1T6639EL	398
1T6640DA	398
1T6640EL	398
1T6641DA	398
1T6641EL	398
1T6642DA	398
1T6642EL	398
1T6643DA	398
1T6643EL	398
1T6644DA	398
1T6644EL	398
1T6645DA	398
1T6645EL	398
1T6646DA	398
1T6646EL	398
1T6647DA	398
1T6647EL	398
1T6648DA	398
1T6648EL	398
1T6649DA	398
1T6649EL	398
1T6650DA	398
1T6650EL	398
1T6651DA	398
1T6651EL	398
1T6652DA	398
1T6652EL	398
1T6653DA	398
1T6653EL	398
1T6654DA	398
1T6654EL	398
1T6655DA	398
1T6655EL	398
1T6656DA	398
1T6656EL	398
1T6657DA	396
1T6657EL	396
1T6658DA	396
1T6658EL	396
1T6659DA	396
1T6659EL	396
1T6660DA	396

COD.	PAG.
1T6660EL	396
1T6661DA	396
1T6661EL	396
1T6662DA	396
1T6662EL	396
1T6663DA	396
1T6663EL	396
1T6664DA	396
1T6664EL	396
1T6665DA	396
1T6665EL	396
1T6666DA	396
1T6666EL	396
1T6667DA	396
1T6667EL	396
1T6668DA	396
1T6668EL	396
1T6669DA	396
1T6669EL	396
1T6670DA	396
1T6670EL	396
1T6671DA	396
1T6671EL	396
1T6672DA	396
1T6672EL	396
1T6673DA	396
1T6673EL	396
1T6674DA	396
1T6674EL	396
1T6675DA	393
1T6675EL	393
1T6676DA	393
1T6676EL	393
1T6677DA	393
1T6677EL	393
1T6678DA	393
1T6678EL	393
1T6679DA	393
1T6679EL	393
1T6680DA	393
1T6680EL	393
1T6681DA	393
1T6681EL	393
1T6682DA	393
1T6682EL	393
1T6683DA	393
1T6683EL	393
1T6684DA	393
1T6684EL	393
1T6685DA	393
1T6685EL	393
1T6686DA	393
1T6686EL	393
1T6687DA	393
1T6687EL	393
1T6688DA	393
1T6688EL	393
1T6689DA	393
1T6689EL	393
1T6690DA	393
1T6690EL	393
1T6691DA	393
1T6691EL	393
1T6692DA	393
1T6692EL	393
1T6693DA	398
1T6693EL	398
1T6694DA	398
1T6694EL	398
1T6695DA	398
1T6695EL	398
1T6696DA	398
1T6696EL	398
1T6697DA	398
1T6697EL	398
1T6698DA	398
1T6698EL	398
1T6699DA	399
1T6699EL	399
1T6700DA	399
1T6700EL	399

COD.	PAG.
1T6701DA	399
1T6701EL	399
1T6702DA	399
1T6702EL	399
1T6703DA	399
1T6703EL	399
1T6704DA	399
1T6704EL	399
1T6705DA	399
1T6705EL	399
1T6706DA	399
1T6706EL	399
1T6707DA	399
1T6707EL	399
1T6708DA	399
1T6708EL	399
1T6709DA	399
1T6709EL	399
1T6710DA	399
1T6710EL	399
1T6711DA	396
1T6711EL	396
1T6712DA	396
1T6712EL	396
1T6713DA	396
1T6713EL	396
1T6714DA	396
1T6714EL	396
1T6715DA	396
1T6715EL	396
1T6716DA	396
1T6716EL	396
1T6717DA	397
1T6717EL	397
1T6718DA	397
1T6718EL	397
1T6719DA	397
1T6719EL	397
1T6720DA	397
1T6720EL	397
1T6721DA	397
1T6721EL	397
1T6722DA	397
1T6722EL	397
1T6723DA	397
1T6723EL	397
1T6724DA	397
1T6724EL	397
1T6725DA	397
1T6725EL	397
1T6726DA	397
1T6726EL	397
1T6727DA	397
1T6727EL	397
1T6728DA	397
1T6728EL	397
1T6729DA	394
1T6729EL	394
1T6730DA	394
1T6730EL	394
1T6731DA	394
1T6731EL	394
1T6732DA	394
1T6732EL	394
1T6733DA	394
1T6733EL	394
1T6734DA	394
1T6734EL	394
1T6735DA	394
1T6735EL	394
1T6736DA	394
1T6736EL	394
1T6737DA	394
1T6737EL	394
1T6738DA	394
1T6738EL	394
1T6739DA	394
1T6739EL	394
1T6740DA	394
1T6740EL	394
1T6741DA	394

COD.	PAG.
1T6741EL	394
1T6742DA	394
1T6742EL	394
1T6743DA	394
1T6743EL	394
1T6744DA	394
1T6744EL	394
1T6745DA	394
1T6745EL	394
1T6746DA	394
1T6746EL	394
1T6747	296
1T6748	296
1T6749	296
1T6750	296
1T6751	296
1T6752	296
1T6753	296
1T6754	296
1T6755	296
1T6756	296
1T6757	296
1T6758	296
1T6759DA	297
1T6759EL	297
1T6760DA	297
1T6760EL	297
1T6761DA	297
1T6761EL	297
1T6762DA	297
1T6762EL	297
1T6763DA	297
1T6763EL	297
1T6764DA	297
1T6764EL	297
1T6765DA	297
1T6765EL	297
1T6766DA	297
1T6766EL	297
1T6767DA	297
1T6767EL	297
1T6768DA	297
1T6768EL	297
1T6769DA	297
1T6769EL	297
1T6770DA	297
1T6770EL	297
1T6771DA	298
1T6771EL	298
1T6772DA	298
1T6772EL	298
1T6773DA	298
1T6773EL	298
1T6774DA	298
1T6774EL	298
1T6775DA	298
1T6775EL	298
1T6776DA	298
1T6776EL	298
1T6777DA	298
1T6777EL	298
1T6778DA	298
1T6778EL	298
1T6779DA	298
1T6779EL	298
1T6780DA	298
1T6780EL	298
1T6781DA	298
1T6781EL	298
1T6782DA	298
1T6782EL	298
1T6783DA	299
1T6783EL	299
1T6784DA	299
1T6784EL	299
1T6785DA	299
1T6785EL	299
1T6786DA	299
1T6786EL	299
1T6787DA	299
1T6787EL	299
1T6788DA	299
1T6788EL	299
1T6789DA	299
1T6789EL	299
1T6790DA	299
1T6790EL	299
1T6791DA	299
1T6791EL	299
1T6792DA	299
1T6792EL	299
1T6793DA	299
1T6793EL	299
1T6794DA	299
1T6794EL	299
1T6795	300
1T6796	300
1T6797DA	300
1T6797EL	300
1T6798DA	300
1T6798EL	300
1T6799	300
1T6800	300
1T6801	385
1T6806	301
1T6807DA	444
1T6807EL	444
1T6808DA	444
1T6808EL	444
1T6809DA	444
1T6809EL	444
1T6810DA	444
1T6810EL	444
1T6811DA	444
1T6811EL	444
1T6812DA	444
1T6812EL	444
1T6813DA	430
1T6813EL	430
1T6814DA	430
1T6814EL	430
1T6815DA	430
1T6815EL	430
1T6816DA	430
1T6816EL	430
1T6817DA	430
1T6817EL	430
1T6818DA	430
1T6818EL	430
1T6819DA	430
1T6819EL	430
1T6820DA	430
1T6820EL	430
1T6821DA	430
1T6821EL	430
1T6822DA	430
1T6822EL	430
1T6823DA	430
1T6823EL	430
1T6824DA	430
1T6824EL	430
1T6825DA	408
1T6825EL	408
1T6826DA	408
1T6826EL	408
1T6827DA	408
1T6827EL	408
1T6828DA	408
1T6828EL	408
1T6829DA	408
1T6829EL	408
1T6830DA	408
1T6830EL	408
1T6831DA	409
1T6831EL	409
1T6832DA	409
1T6832EL	409
1T6833DA	409
1T6833EL	409
1T6834DA	409
1T6834EL	409
1T6835DA	409
1T6835EL	409
1T6836DA	409
1T6836EL	409
1T6837DA	408
1T6837EL	408
1T6838DA	408
1T6838EL	408
1T6839DA	408
1T6839EL	408
1T6840DA	408
1T6840EL	408
1T6841DA	408
1T6841EL	408
1T6842DA	408
1T6842EL	408
1T6843DA	408
1T6843EL	408
1T6844DA	408
1T6844EL	408
1T6845DA	408
1T6845EL	408
1T6846DA	408
1T6846EL	408
1T6847DA	408
1T6847EL	408
1T6848DA	408
1T6848EL	408
1T6849DA	448
1T6849EL	448
1T6850DA	448
1T6850EL	448
1T6851DA	449
1T6851EL	449
1T6852DA	449
1T6852EL	449
1T6853DA	449
1T6853EL	449
1T6854DA	449
1T6854EL	449
1T6855DA	414
1T6855EL	414
1T6856DA	414
1T6856EL	414
1T6857DA	414
1T6857EL	414
1T6858DA	414
1T6858EL	414
1T6859DA	414
1T6859EL	414
1T6860DA	414
1T6860EL	414
1T6861DA	415
1T6861EL	415
1T6862DA	415
1T6862EL	415
1T6863DA	415
1T6863EL	415
1T6864DA	415
1T6864EL	415
1T6865DA	415
1T6865EL	415
1T6866DA	415
1T6866EL	415
1T6867DA	416
1T6867EL	416
1T6868DA	416
1T6868EL	416
1T6869DA	416
1T6869EL	416
1T6870DA	416
1T6870EL	416
1T6871DA	416
1T6871EL	416
1T6872DA	416
1T6872EL	416
1T6873DA	414
1T6873EL	414
1T6874DA	414
1T6874EL	414
1T6875DA	414
1T6875EL	414

COD.	PAG.
1T6876DA	414
1T6876EL	414
1T6877DA	414
1T6877EL	414
1T6878DA	414
1T6878EL	414
1T6879DA	415
1T6879EL	415
1T6880DA	415
1T6880EL	415
1T6881DA	415
1T6881EL	415
1T6882DA	415
1T6882EL	415
1T6883DA	415
1T6883EL	415
1T6884DA	415
1T6884EL	415
1T6885DA	417
1T6885EL	417
1T6886DA	417
1T6886EL	417
1T6887DA	417
1T6887EL	417
1T6888DA	417
1T6888EL	417
1T6889DA	417
1T6889EL	417
1T6890DA	417
1T6890EL	417
1T6891DA	414
1T6891EL	414
1T6892DA	414
1T6892EL	414
1T6893DA	414
1T6893EL	414
1T6894DA	414
1T6894EL	414
1T6895DA	414
1T6895EL	414
1T6896DA	414
1T6896EL	414
1T6897DA	415
1T6897EL	415
1T6898DA	415
1T6898EL	415
1T6899DA	415
1T6899EL	415
1T6900DA	415
1T6900EL	415
1T6901DA	415
1T6901EL	415
1T6902DA	415
1T6902EL	415
1T6903DA	416
1T6903EL	416
1T6904DA	416
1T6904EL	416
1T6905DA	416
1T6905EL	416
1T6906DA	416
1T6906EL	416
1T6907DA	416
1T6907EL	416
1T6908DA	416
1T6908EL	416
1T6916EL	353, 386
1T6917EL	353, 386
1T6918	275
1T6919	417, 422, 425, 429, 476
1T6920	417, 422, 425, 429, 476
1T6921	417, 422, 425, 429, 476
1T6930	130, 397
1T6931	130, 397
1T6939	399
1T6940	300
1T7003	746, 749
1T7016	353
1T7017	353
1T7018	353
1T7019	353
1T7020	353
1T7021	353
1T7022	353
1T7023	353
1T7024	352
1T7025	352
1T7026	352
1T7027	352
1T7028EL	352
1T7029EL	352
1T7030EL	352
1T7031	369
1T7032	369
1T7033	369
1T7034	369
1T7035	369
1T7036	369
1T7037	370
1T7038	370
1T7039	370
1T7040	370
1T7041	370
1T7043	369
1T7044	371
1T7045	371
1T7046	371
1T7047	371
1T7048	371
1T7049	371
1T7050	371
1T7051	371
1T7052	371
1T7053	371
1T7054	371
1T7055	371
1T7056	372
1T7057	373
1T7058	373
1T7059	372
1T7060	373
1T7061	373
1T7062	372
1T7063	372
1T7064	373
1T7065	372
1T7066	372
1T7067	369
1T7068	369
1T7069	369
1T7070	369
1T7071	369
1T7072	369
1T7073	370
1T7074	370
1T7076	369
1T7077	372
1T7078	372
1T7079	372
1T7080	372
1T7081	372
1T7082	372
1T7083	371
1T7084	371
1T7085	371
1T7086	371
1T7087	371
1T7088	371
1T7089	372
1T7090	373
1T7091	373
1T7092	372
1T7093	373
1T7094	373
1T7095	372
1T7096	372
1T7097	373
1T7098	354
1T7099	356
1T7099CA	355
1T7099DD	355
1T7100	356
1T7100CA	355
1T7100DD	355
1T7101	356
1T7101CA	355
1T7101DD	355
1T7102	356
1T7102CA	355
1T7102DD	355
1T7103	356
1T7103CA	355
1T7103DD	356
1T7104	356
1T7104CA	355
1T7104DD	356
1T7105	356
1T7105CA	355
1T7105DD	356
1T7106	356
1T7106CA	355
1T7106DD	356
1T7107	357
1T7107CA	356
1T7107DD	356
1T7108	357
1T7108CA	356
1T7108DD	356
1T7109	357
1T7109CA	356
1T7109DD	356
1T7110	357
1T7110CA	356
1T7110DD	356
1T7111	356
1T7111CA	355
1T7111DD	355
1T7112	356
1T7112CA	355
1T7112DD	355
1T7113	356
1T7113CA	355
1T7113DD	355
1T7114	356
1T7114CA	355
1T7114DD	355
1T7115	356
1T7115CA	355
1T7115DD	356
1T7116	356
1T7116CA	355
1T7116DD	356
1T7117	356
1T7117CA	355
1T7117DD	356
1T7118	356
1T7118CA	355
1T7118DD	356
1T7119	357
1T7119CA	356
1T7119DD	356
1T7120	357
1T7120CA	356
1T7120DD	356
1T7121	357
1T7121CA	356
1T7121DD	356
1T7122	357
1T7122CA	356
1T7122DD	356
1T7123	359
1T7123CA	357
1T7123DD	357
1T7124	359
1T7124CA	357
1T7124DD	357
1T7125	359
1T7125CA	357
1T7125DD	357
1T7126	359

COD.	PAG.
1T7126CA	357
1T7126DD	357
1T7127	359
1T7127CA	358
1T7127DD	358
1T7128	359
1T7128CA	358
1T7128DD	358
1T7129	359
1T7129CA	358
1T7129DD	358
1T7130	359
1T7130CA	358
1T7130DD	358
1T7131	359
1T7131CA	358
1T7131DD	358
1T7132	359
1T7132CA	358
1T7132DD	358
1T7133	359
1T7133CA	358
1T7133DD	358
1T7134	359
1T7134CA	358
1T7134DD	358
1T7135	359
1T7135CA	357
1T7135DD	357
1T7136	359
1T7136CA	357
1T7136DD	357
1T7137	359
1T7137CA	357
1T7137DD	357
1T7138	359
1T7138CA	357
1T7138DD	357
1T7139	359
1T7139CA	358
1T7139DD	358
1T7140	359
1T7140CA	358
1T7140DD	358
1T7141	359
1T7141CA	358
1T7141DD	358
1T7142	359
1T7142CA	358
1T7142DD	358
1T7143	359
1T7143CA	358
1T7143DD	358
1T7144	359
1T7144CA	358
1T7144DD	358
1T7145	359
1T7145CA	358
1T7145DD	358
1T7146	359
1T7146CA	358
1T7146DD	358
1T7147	361
1T7147CA	360
1T7147DD	360
1T7148	361
1T7148CA	360
1T7148DD	360
1T7149	361
1T7149CA	360
1T7149DD	360
1T7150	361
1T7150CA	360
1T7150DD	360
1T7151	361
1T7151CA	360
1T7151DD	360
1T7152	361
1T7152CA	360
1T7152DD	360
1T7153	361

COD.	PAG.
1T7153CA	360
1T7153DD	360
1T7154	361
1T7154CA	360
1T7154DD	360
1T7155	361
1T7155CA	361
1T7155DD	361
1T7156	361
1T7156CA	361
1T7156DD	361
1T7157	361
1T7157CA	361
1T7157DD	361
1T7158	361
1T7158CA	361
1T7158DD	361
1T7159	361
1T7159CA	360
1T7159DD	360
1T7160	361
1T7160CA	360
1T7160DD	360
1T7161	361
1T7161CA	360
1T7161DD	360
1T7162	361
1T7162CA	360
1T7162DD	360
1T7163	361
1T7163CA	360
1T7163DD	360
1T7164	361
1T7164CA	360
1T7164DD	360
1T7165	361
1T7165CA	360
1T7165DD	360
1T7166	361
1T7166CA	360
1T7166DD	360
1T7167	361
1T7167CA	361
1T7167DD	361
1T7168	361
1T7168CA	361
1T7168DD	361
1T7169	361
1T7169CA	361
1T7169DD	361
1T7170	361
1T7170CA	361
1T7170DD	361
1T7171	385
1T7172EL	352
1T7173DA	451
1T7173EL	451
1T7174DA	451
1T7174EL	451
1T7175DA	451
1T7175EL	451
1T7176DA	451
1T7176EL	451
1T7177DA	451
1T7177EL	451
1T7178DA	451
1T7178EL	451
1T7179DA	494
1T7179EL	494
1T7180DA	494
1T7180EL	494
1T7181DA	494
1T7181EL	494
1T7182DA	494
1T7182EL	494
1T7183DA	494
1T7183EL	494
1T7184DA	494
1T7184EL	494
1T7185DA	451
1T7185EL	451

COD.	PAG.
1T7186DA	452
1T7186EL	452
1T7187DA	452
1T7187EL	452
1T7188DA	451
1T7188EL	451
1T7189DA	452
1T7189EL	452
1T7190DA	452
1T7190EL	452
1T7191DA	494
1T7191EL	494
1T7192DA	494
1T7192EL	494
1T7193DA	494
1T7193EL	494
1T7194DA	494
1T7194EL	494
1T7195DA	494
1T7195EL	494
1T7196DA	494
1T7196EL	494
1T7197DA	436
1T7197EL	436
1T7198DA	436
1T7198EL	436
1T7199DA	436
1T7199EL	436
1T7200DA	436
1T7200EL	436
1T7201DA	436
1T7201EL	436
1T7202DA	436
1T7202EL	436
1T7203DA	436
1T7203EL	436
1T7204DA	436
1T7204EL	436
1T7205DA	436
1T7205EL	436
1T7206DA	436
1T7206EL	436
1T7207DA	436
1T7207EL	436
1T7208DA	436
1T7208EL	436
1T7209DA	436
1T7209EL	436
1T7210DA	437
1T7210EL	437
1T7211DA	437
1T7211EL	437
1T7212DA	436
1T7212EL	436
1T7213DA	437
1T7213EL	437
1T7214DA	437
1T7214EL	437
1T7215DA	436
1T7215EL	436
1T7216DA	437
1T7216EL	437
1T7217DA	437
1T7217EL	437
1T7218DA	436
1T7218EL	436
1T7219DA	437
1T7219EL	437
1T7220DA	437
1T7220EL	437
1T7221DA	419
1T7221EL	419
1T7222DA	419
1T7222EL	419
1T7223DA	419
1T7223EL	419
1T7224DA	419
1T7224EL	419
1T7225DA	419
1T7225EL	419
1T7226DA	419

COD.	PAG.
1T7226EL	419
1T7227DA	419
1T7227EL	419
1T7228DA	419
1T7228EL	419
1T7229DA	419
1T7229EL	419
1T7230DA	419
1T7230EL	419
1T7231DA	419
1T7231EL	419
1T7232DA	419
1T7232EL	419
1T7233DA	419
1T7233EL	419
1T7234DA	419
1T7234EL	419
1T7235DA	419
1T7235EL	419
1T7236DA	419
1T7236EL	419
1T7237DA	419
1T7237EL	419
1T7238DA	419
1T7238EL	419
1T7239DA	419
1T7239EL	419
1T7240DA	420
1T7240EL	420
1T7241DA	420
1T7241EL	420
1T7242DA	419
1T7242EL	419
1T7243DA	420
1T7243EL	420
1T7244DA	420
1T7244EL	420
1T7245DA	419
1T7245EL	419
1T7246DA	420
1T7246EL	420
1T7247DA	420
1T7247EL	420
1T7248DA	419
1T7248EL	419
1T7249DA	420
1T7249EL	420
1T7250DA	420
1T7250EL	420
1T7251DA	419
1T7251EL	419
1T7252DA	420
1T7252EL	420
1T7253DA	420
1T7253EL	420
1T7254DA	419
1T7254EL	419
1T7255DA	420
1T7255EL	420
1T7256DA	420
1T7256EL	420
1T7257DA	452
1T7257EL	452
1T7258DA	452
1T7258EL	452
1T7259DA	452
1T7259EL	452
1T7260DA	452
1T7260EL	452
1T7261DA	452
1T7261EL	452
1T7262DA	452
1T7262EL	452
1T7263DA	494
1T7263EL	494
1T7264DA	494
1T7264EL	494
1T7265DA	494
1T7265EL	494
1T7266DA	494
1T7266EL	494

COD.	PAG.
1T7267DA	500
1T7267EL	500
1T7268DA	500
1T7268EL	500
1T7269DA	453
1T7269EL	453
1T7270DA	453
1T7270EL	453
1T7271DA	453
1T7271EL	453
1T7272DA	453
1T7272EL	453
1T7273DA	453
1T7273EL	453
1T7274DA	453
1T7274EL	453
1T7275DA	500
1T7275EL	500
1T7276DA	500
1T7276EL	500
1T7277DA	501
1T7277EL	501
1T7278DA	501
1T7278EL	501
1T7279DA	501
1T7279EL	501
1T7280DA	501
1T7280EL	501
1T7281DA	437
1T7281EL	437
1T7282DA	437
1T7282EL	437
1T7283DA	437
1T7283EL	437
1T7284DA	437
1T7284EL	437
1T7285DA	437
1T7285EL	437
1T7286DA	437
1T7286EL	437
1T7287DA	437
1T7287EL	437
1T7288DA	437
1T7288EL	437
1T7289DA	437
1T7289EL	437
1T7290DA	437
1T7290EL	437
1T7291DA	437
1T7291EL	437
1T7292DA	437
1T7292EL	437
1T7293DA	438
1T7293EL	438
1T7294DA	438
1T7294EL	438
1T7295DA	438
1T7295EL	438
1T7296DA	438
1T7296EL	438
1T7297DA	438
1T7297EL	438
1T7298DA	438
1T7298EL	438
1T7299DA	438
1T7299EL	438
1T7300DA	438
1T7300EL	438
1T7301DA	438
1T7301EL	438
1T7302DA	438
1T7302EL	438
1T7303DA	438
1T7303EL	438
1T7304DA	438
1T7304EL	438
1T7305DA	420
1T7305EL	420
1T7306DA	420
1T7306EL	420
1T7307DA	420

COD.	PAG.
1T7307EL	420
1T7308DA	420
1T7308EL	420
1T7309DA	420
1T7309EL	420
1T7310DA	420
1T7310EL	420
1T7311DA	420
1T7311EL	420
1T7312DA	420
1T7312EL	420
1T7313DA	420
1T7313EL	420
1T7314DA	420
1T7314EL	420
1T7315DA	420
1T7315EL	420
1T7316DA	420
1T7316EL	420
1T7317DA	420
1T7317EL	420
1T7318DA	420
1T7318EL	420
1T7319DA	420
1T7319EL	420
1T7320DA	420
1T7320EL	420
1T7321DA	420
1T7321EL	420
1T7322DA	420
1T7322EL	420
1T7323DA	421
1T7323EL	421
1T7324DA	421
1T7324EL	421
1T7325DA	421
1T7325EL	421
1T7326DA	421
1T7326EL	421
1T7327DA	421
1T7327EL	421
1T7328DA	421
1T7328EL	421
1T7329DA	421
1T7329EL	421
1T7330DA	421
1T7330EL	421
1T7331DA	421
1T7331EL	421
1T7332DA	421
1T7332EL	421
1T7333DA	421
1T7333EL	421
1T7334DA	421
1T7334EL	421
1T7335DA	421
1T7335EL	421
1T7336DA	421
1T7336EL	421
1T7337DA	421
1T7337EL	421
1T7338DA	421
1T7338EL	421
1T7339DA	421
1T7339EL	421
1T7340DA	421
1T7340EL	421
1T7341DA	455
1T7341EL	455
1T7342DA	455
1T7342EL	455
1T7343DA	501
1T7343EL	501
1T7344DA	501
1T7344EL	501
1T7345DA	440
1T7345EL	440
1T7346DA	440
1T7346EL	440
1T7347DA	440
1T7347EL	440

COD.	PAG.
1T7348DA	440
1T7348EL	440
1T7349DA	424
1T7349EL	424
1T7350DA	424
1T7350EL	424
1T7351DA	424
1T7351EL	424
1T7352DA	424
1T7352EL	424
1T7353DA	424
1T7353EL	424
1T7354DA	424
1T7354EL	424
1T7355DA	455
1T7355EL	455
1T7356DA	455
1T7356EL	455
1T7357DA	501
1T7357EL	501
1T7358DA	501
1T7358EL	501
1T7359DA	440
1T7359EL	440
1T7360DA	440
1T7360EL	440
1T7361DA	440
1T7361EL	440
1T7362DA	440
1T7362EL	440
1T7363DA	424
1T7363EL	424
1T7364DA	424
1T7364EL	424
1T7365DA	424
1T7365EL	424
1T7366DA	424
1T7366EL	424
1T7367DA	424
1T7367EL	424
1T7368DA	424
1T7368EL	424
1T7369	434, 439, 441, 443
1T7370	434, 439, 441, 443
1T7371	457
1T7372	457
1T7373	457
1T7374	458
1T7375	458
1T7381	442
1T7382	442
1T7383	442
1T7384	442
1T7385	427
1T7386	427
1T7387	427
1T7388	428
1T7389	428
1T7390	427
1T7391	427
1T7392	427
1T7393	428
1T7394	428
1T7395	427
1T7396	427
1T7397	427
1T7398	428
1T7399	428
1T7402	514, 518, 522
1T7403EL	353, 386
1T7404	188
1T7405	188
1T7406	188
1T7407	363
1T7407CA	362
1T7407DD	362
1T7408	363
1T7408CA	362
1T7408DD	362
1T7409	363
1T7409CA	362
1T7409DD	362
1T7410	363
1T7410CA	362
1T7410DD	362
1T7411	363
1T7411CA	362
1T7411DD	363
1T7412	363
1T7412CA	362
1T7412DD	363
1T7413	363
1T7413CA	362
1T7413DD	363
1T7414	363
1T7414CA	362
1T7414DD	363
1T7415	364
1T7415CA	363
1T7415DD	363
1T7416	364
1T7416CA	363
1T7416DD	363
1T7417	364
1T7417CA	363
1T7417DD	363
1T7418	364
1T7418CA	363
1T7418DD	363
1T7419	363
1T7419CA	362
1T7419DD	362
1T7420	363
1T7420CA	362
1T7420DD	362
1T7421	363
1T7421CA	362
1T7421DD	362
1T7422	363
1T7422CA	362
1T7422DD	362
1T7423	363
1T7423CA	362
1T7423DD	363
1T7424	363
1T7424CA	362
1T7424DD	363
1T7425	363
1T7425CA	362
1T7425DD	363
1T7426	363
1T7426CA	362
1T7426DD	363
1T7427	364
1T7427CA	363
1T7427DD	363
1T7428	364
1T7428CA	363
1T7428DD	363
1T7429	364
1T7429CA	363
1T7429DD	363
1T7430	364
1T7430CA	363
1T7430DD	363
1T7431	352
1T7432	352
1T7433	352
1T7434	352
1T7435	352
1T7436	352
1T7437	370
1T7438	370
1T7439	354
1T7440	354
1T7441	365
1T7441CA	365
1T7441DD	365
1T7442	365
1T7442CA	365
1T7442DD	365
1T7443	365
1T7443CA	365
1T7443DD	365
1T7444	365
1T7444CA	365
1T7444DD	365
1T7445	365
1T7445CA	365
1T7445DD	365
1T7446	365
1T7446CA	365
1T7446DD	365
1T7447	365
1T7447CA	365
1T7447DD	365
1T7448	365
1T7448CA	365
1T7448DD	365
1T7449	365
1T7449CA	365
1T7449DD	365
1T7450	365
1T7450CA	365
1T7450DD	365
1T7451	365
1T7451CA	365
1T7451DD	365
1T7452	365
1T7452CA	365
1T7452DD	365
1T7453	365
1T7453CA	365
1T7453DD	365
1T7454	365
1T7454CA	365
1T7454DD	365
1T7455	365
1T7455CA	365
1T7455DD	365
1T7456	365
1T7456CA	365
1T7456DD	365
1T7457	365
1T7457CA	365
1T7457DD	365
1T7458	365
1T7458CA	365
1T7458DD	365
1T7459	365
1T7459CA	365
1T7459DD	365
1T7460	365
1T7460CA	365
1T7460DD	365
1T7461	365
1T7461CA	365
1T7461DD	365
1T7462	365
1T7462CA	365
1T7462DD	365
1T7463	365
1T7463CA	365
1T7463DD	365
1T7464	365
1T7464CA	365
1T7464DD	365
1T7465	365
1T7465CA	365
1T7465DD	365
1T7466	365
1T7466CA	365
1T7466DD	365
1T7467	365
1T7467CA	365
1T7467DD	365
1T7468	365
1T7468CA	365
1T7468DD	365
1T7469	366
1T7469CA	366
1T7469DD	366
1T7470	366

COD.	PAG.
1T7470CA	366
1T7470DD	366
1T7471	366
1T7471CA	366
1T7471DD	366
1T7472	366
1T7472CA	366
1T7472DD	366
1T7473	366
1T7473CA	366
1T7473DD	366
1T7474	366
1T7474CA	366
1T7474DD	366
1T7475	366
1T7475CA	366
1T7475DD	366
1T7476	366
1T7476CA	366
1T7476DD	366
1T7477	365
1T7477CA	365
1T7477DD	365
1T7478	365
1T7478CA	365
1T7478DD	365
1T7479	365
1T7479CA	365
1T7479DD	365
1T7480	365
1T7480CA	365
1T7480DD	365
1T7481	366
1T7481CA	366
1T7481DD	366
1T7482	366
1T7482CA	366
1T7482DD	366
1T7483	366
1T7483CA	366
1T7483DD	366
1T7484	366
1T7484CA	366
1T7484DD	366
1T7485	366
1T7485CA	366
1T7485DD	366
1T7486	366
1T7486CA	366
1T7486DD	366
1T7487	366
1T7487CA	366
1T7487DD	366
1T7488	366
1T7488CA	366
1T7488DD	366
1T7489	368
1T7490	368
1T7491	368
1T7492	368
1T7493	368
1T7494	368
1T7495	368
1T7496	368
1T7497	368
1T7498	368
1T7499	368
1T7500	368
1T7501	368
1T7506	355
1T7507	355
1T7508	355
1T7509	355
1T7510	355
1T7511	355
1T7512	355
1T7513	355
1T7514	356
1T7515	356
1T7516	356
1T7517	356
1T7518	355
1T7519	355
1T7520	355
1T7521	355
1T7522	355
1T7523	355
1T7524	355
1T7525	355
1T7526	356
1T7527	356
1T7528	356
1T7529	356
1T7530	357
1T7531	357
1T7532	357
1T7533	357
1T7534	358
1T7535	358
1T7536	358
1T7537	358
1T7538	358
1T7539	358
1T7540	358
1T7541	358
1T7542	357
1T7543	357
1T7544	357
1T7545	357
1T7546	358
1T7547	358
1T7548	358
1T7549	358
1T7550	358
1T7551	358
1T7552	358
1T7553	358
1T7554	359
1T7555	359
1T7556	359
1T7557	359
1T7558	360
1T7559	360
1T7560	360
1T7561	360
1T7562	360
1T7563	360
1T7564	360
1T7565	360
1T7566	359
1T7567	359
1T7568	359
1T7569	359
1T7570	360
1T7571	360
1T7572	360
1T7573	360
1T7574	360
1T7575	360
1T7576	360
1T7577	360
1T7578	362
1T7579	362
1T7580	362
1T7581	362
1T7582	362
1T7583	362
1T7584	362
1T7585	362
1T7586	363
1T7587	363
1T7588	363
1T7589	363
1T7590	362
1T7591	362
1T7592	362
1T7593	362
1T7594	362
1T7595	362
1T7596	362
1T7597	362
1T7598	363
1T7599	363
1T7600	363
1T7601	363
1T7606	160
1T7607	160
1T7608	160
1T7609	160
1T7610	160
1T7611	160
1T7612	160
1T7613	160
1T7618	160
1T7619	160
1T7620	160
1T7621	160
1T7622	160
1T7623	160
1T7624	160
1T7625	160
1T7630	160
1T7631	160
1T7632	160
1T7633	160
1T7634	161
1T7635	161
1T7636	161
1T7637	161
1T7642	160
1T7643	160
1T7644	160
1T7645	160
1T7646	161
1T7647	161
1T7648	161
1T7649	161
1T7654	161
1T7655	161
1T7656	161
1T7657	161
1T7658	162
1T7659	162
1T7660	162
1T7661	162
1T7666	161
1T7667	161
1T7668	161
1T7669	161
1T7670	162
1T7671	162
1T7672	162
1T7673	162
1T7678	167
1T7679	167
1T7680	167
1T7681	167
1T7682	167
1T7683	167
1T7684	167
1T7685	167
1T7686DA	166, 173
1T7702	167
1T7703	167
1T7704	167
1T7705	167
1T7706	168
1T7707	168
1T7708	168
1T7709	168
1T7726	168
1T7727	168
1T7728	168
1T7729	168
1T7730	169
1T7731	169
1T7732	169
1T7733	169
1T7746DA	162
1T7746EL	162
1T7747DA	162
1T7747EL	162
1T7748DA	162

COD.	PAG.
1T7748EL	162
1T7749DA	162
1T7749EL	162
1T7750DA	163
1T7750EL	163
1T7751DA	163
1T7751EL	163
1T7752DA	163
1T7752EL	163
1T7753DA	163
1T7753EL	163
1T7754DA	163
1T7754EL	163
1T7755DA	163
1T7755EL	163
1T7756DA	163
1T7756EL	163
1T7757DA	163
1T7757EL	163
1T7758DA	162
1T7758EL	162
1T7759DA	162
1T7759EL	162
1T7760DA	162
1T7760EL	162
1T7761DA	162
1T7761EL	162
1T7762DA	163
1T7762EL	163
1T7763DA	163
1T7763EL	163
1T7764DA	163
1T7764EL	163
1T7765DA	163
1T7765EL	163
1T7766DA	163
1T7766EL	163
1T7767DA	163
1T7767EL	163
1T7768DA	163
1T7768EL	163
1T7769DA	163
1T7769EL	163
1T7770DA	163
1T7770EL	163
1T7771DA	163
1T7771EL	163
1T7772DA	163
1T7772EL	163
1T7773DA	163
1T7773EL	163
1T7774DA	163
1T7774EL	163
1T7775DA	163
1T7775EL	163
1T7776DA	163
1T7776EL	163
1T7777DA	163
1T7777EL	163
1T7778DA	164
1T7778EL	164
1T7779DA	164
1T7779EL	164
1T7780DA	164
1T7780EL	164
1T7781DA	164
1T7781EL	164
1T7782DA	163
1T7782EL	163
1T7783DA	163
1T7783EL	163
1T7784DA	163
1T7784EL	163
1T7785DA	163
1T7785EL	163
1T7786DA	163
1T7786EL	163
1T7787DA	163
1T7787EL	163
1T7788DA	163
1T7788EL	163
1T7789DA	163
1T7789EL	163
1T7790DA	164
1T7790EL	164
1T7791DA	164
1T7791EL	164
1T7792DA	164
1T7792EL	164
1T7793DA	164
1T7793EL	164
1T7794DA	164
1T7794EL	164
1T7795DA	164
1T7795EL	164
1T7796DA	164
1T7796EL	164
1T7797DA	164
1T7797EL	164
1T7798DA	165
1T7798EL	165
1T7799DA	165
1T7799EL	165
1T7800DA	165
1T7800EL	165
1T7801DA	165
1T7801EL	165
1T7802DA	165
1T7802EL	165
1T7803DA	165
1T7803EL	165
1T7804DA	165
1T7804EL	165
1T7805DA	165
1T7805EL	165
1T7806DA	164
1T7806EL	164
1T7807DA	164
1T7807EL	164
1T7808DA	164
1T7808EL	164
1T7809DA	164
1T7809EL	164
1T7810DA	165
1T7810EL	165
1T7811DA	165
1T7811EL	165
1T7812DA	165
1T7812EL	165
1T7813DA	165
1T7813EL	165
1T7814DA	165
1T7814EL	165
1T7815DA	165
1T7815EL	165
1T7816DA	165
1T7816EL	165
1T7817DA	165
1T7817EL	165
1T7818DA	169
1T7818EL	169
1T7819DA	169
1T7819EL	169
1T7820DA	169
1T7820EL	169
1T7821DA	169
1T7821EL	169
1T7822DA	170
1T7822EL	170
1T7823DA	170
1T7823EL	170
1T7824DA	170
1T7824EL	170
1T7825DA	170
1T7825EL	170
1T7826DA	170
1T7826EL	170
1T7827DA	170
1T7827EL	170
1T7828DA	170
1T7828EL	170
1T7829DA	170
1T7829EL	170
1T7830DA	127
1T7830EL	127
1T7831DA	127
1T7831EL	127
1T7832DA	127
1T7832EL	127
1T7833DA	127
1T7833EL	127
1T7834DA	127
1T7834EL	127
1T7835DA	127
1T7835EL	127
1T7836DA	127
1T7836EL	127
1T7837DA	127
1T7837EL	127
1T7838DA	127
1T7838EL	127
1T7839DA	127
1T7839EL	127
1T7840DA	127
1T7840EL	127
1T7841DA	127
1T7841EL	127
1T7842DA	170
1T7842EL	170
1T7843DA	170
1T7843EL	170
1T7844DA	170
1T7844EL	170
1T7845DA	170
1T7845EL	170
1T7846DA	170
1T7846EL	170
1T7847DA	170
1T7847EL	170
1T7848DA	170
1T7848EL	170
1T7849DA	170
1T7849EL	170
1T7850DA	171
1T7850EL	171
1T7851DA	171
1T7851EL	171
1T7852DA	171
1T7852EL	171
1T7853DA	171
1T7853EL	171
1T7854DA	127
1T7854EL	127
1T7855DA	128
1T7855EL	128
1T7856DA	127
1T7856EL	127
1T7857DA	128
1T7857EL	128
1T7858DA	127
1T7858EL	127
1T7859DA	128
1T7859EL	128
1T7860DA	127
1T7860EL	127
1T7861DA	128
1T7861EL	128
1T7862DA	128
1T7862EL	128
1T7863DA	128
1T7863EL	128
1T7864DA	128
1T7864EL	128
1T7865DA	128
1T7865EL	128
1T7866DA	171
1T7866EL	171
1T7867DA	171
1T7867EL	171
1T7868DA	171
1T7868EL	171
1T7869DA	171
1T7869EL	171

COD.	PAG.
1T7870DA	172
1T7870EL	172
1T7871DA	172
1T7871EL	172
1T7872DA	172
1T7872EL	172
1T7873DA	172
1T7873EL	172
1T7874DA	172
1T7874EL	172
1T7875DA	172
1T7875EL	172
1T7876DA	172
1T7876EL	172
1T7877DA	172
1T7877EL	172
1T7878DA	128
1T7878EL	128
1T7879DA	128
1T7879EL	128
1T7880DA	128
1T7880EL	128
1T7881DA	128
1T7881EL	128
1T7882DA	127
1T7882EL	127
1T7883DA	127
1T7883EL	127
1T7884DA	127
1T7884EL	127
1T7885DA	127
1T7885EL	127
1T7886DA	130
1T7886EL	130
1T7887DA	130
1T7887EL	130
1T7888DA	130
1T7888EL	130
1T7889DA	130
1T7889EL	130
1T7890DA	466
1T7890EL	466
1T7891DA	466
1T7891EL	466
1T7892DA	466
1T7892EL	466
1T7893DA	466
1T7893EL	466
1T7894DA	466
1T7894EL	466
1T7895DA	466
1T7895EL	466
1T7896DA	466
1T7896EL	466
1T7897DA	466
1T7897EL	466
1T7898DA	466
1T7898EL	466
1T7899DA	466
1T7899EL	466
1T7900DA	466
1T7900EL	466
1T7901DA	466
1T7901EL	466
1T7902DA	466
1T7902EL	466
1T7903DA	466
1T7903EL	466
1T7904DA	466
1T7904EL	466
1T7905DA	466
1T7905EL	466
1T7906DA	466
1T7906EL	466
1T7907DA	466
1T7907EL	466
1T7908DA	466
1T7908EL	466
1T7909DA	466
1T7909EL	466
1T7910DA	466

COD.	PAG.
1T7910EL	466
1T7911DA	466
1T7911EL	466
1T7912DA	466
1T7912EL	466
1T7913DA	466
1T7913EL	466
1T7914DA	467
1T7914EL	467
1T7915DA	467
1T7915EL	467
1T7916DA	467
1T7916EL	467
1T7917DA	467
1T7917EL	467
1T7918DA	467
1T7918EL	467
1T7919DA	467
1T7919EL	467
1T7920DA	467
1T7920EL	467
1T7921DA	467
1T7921EL	467
1T7922DA	467
1T7922EL	467
1T7923DA	467
1T7923EL	467
1T7924DA	467
1T7924EL	467
1T7925DA	467
1T7925EL	467
1T7926DA	467
1T7926EL	467
1T7927DA	467
1T7927EL	467
1T7928DA	467
1T7928EL	467
1T7929DA	467
1T7929EL	467
1T7930DA	467
1T7930EL	467
1T7931DA	467
1T7931EL	467
1T7932DA	467
1T7932EL	467
1T7933DA	467
1T7933EL	467
1T7934DA	467
1T7934EL	467
1T7935DA	467
1T7935EL	467
1T7936DA	467
1T7936EL	467
1T7937DA	467
1T7937EL	467
1T7938	354
1T7939	354
1T7940	354
1T7941	354
1T7942	354
1T7943	354
1T7944	583, 584, 810
1T7945CA	357
1T7946CA	361
1T7947CA	359
1T7948CA	364
1T7949CA	357
1T7950CA	361
1T7951CA	359
1T7952CA	364
1T7953CA	357
1T7954CA	361
1T7955CA	359
1T7956CA	364
1T7957CA	357
1T7958CA	361
1T7959CA	359
1T7960CA	364
1T7961CA	357
1T7962CA	361
1T7963CA	359

COD.	PAG.
1T7964CA	364
1T7965CA	357
1T7966CA	361
1T7967CA	359
1T7968CA	364
1T7969CA	357
1T7970CA	361
1T7971CA	359
1T7972CA	364
1T7973CA	357
1T7974CA	361
1T7975CA	359
1T7976CA	364
1T7977CA	233
1T7978CA	233
1T7979CA	233
1T7980CA	233
1T7981CA	233
1T7982CA	233
1T7983CA	233
1T7984CA	233
1T7985CA	233
1T7986CA	233
1T7987CA	233
1T7988CA	233
1T7989CA	233
1T7990CA	233
1T7991CA	233
1T7992CA	233
1T7993CA	233
1T7994CA	233
1T7995CA	233
1T7996CA	233
1T7997CA	224
1T7997D	222
1T7997DA	223
1T7997EL	221
1T7998CA	224
1T7998D	222
1T7998DA	223
1T7998EL	221
1T7999CA	224
1T7999D	222
1T7999DA	223
1T7999EL	221
1T8000CA	224
1T8000D	222
1T8000DA	223
1T8000EL	221
1T8001CA	224
1T8001D	222
1T8001DA	223
1T8001EL	221
1T8002CA	224
1T8002D	222
1T8002DA	223
1T8002EL	221
1T8003CA	224
1T8003D	222
1T8003DA	223
1T8003EL	221
1T8004CA	224
1T8004D	222
1T8004DA	223
1T8004EL	221
1T8005CA	225
1T8005D	222
1T8005DA	223
1T8005EL	221
1T8006CA	225
1T8006D	222
1T8006DA	223
1T8006EL	221
1T8007CA	225
1T8007D	222
1T8007DA	223
1T8007EL	221
1T8008CA	225
1T8008D	222
1T8008DA	223
1T8008EL	221

COD.	PAG.
1T8009CA	225
1T8009D	222
1T8009DA	224
1T8009EL	221
1T8010CA	225
1T8010D	222
1T8010DA	224
1T8010EL	221
1T8011CA	225
1T8011D	222
1T8011DA	224
1T8011EL	221
1T8012CA	225
1T8012D	222
1T8012DA	224
1T8012EL	221
1T8013CA	225
1T8013D	223
1T8013DA	224
1T8013EL	221
1T8014CA	225
1T8014D	223
1T8014DA	224
1T8014EL	221
1T8015CA	225
1T8015D	223
1T8015DA	224
1T8015EL	221
1T8016CA	225
1T8016D	223
1T8016DA	224
1T8016EL	221
1T8017CA	225
1T8017D	223
1T8017DA	224
1T8017EL	222
1T8018CA	225
1T8018D	223
1T8018DA	224
1T8018EL	222
1T8019CA	225
1T8019D	223
1T8019DA	224
1T8019EL	222
1T8020CA	225
1T8020D	223
1T8020DA	224
1T8020EL	222
1T8021CA	226
1T8022CA	226
1T8023CA	226
1T8024CA	226
1T8025CA	218
1T8025D	219
1T8025DA	218
1T8025EL	218
1T8026CA	218
1T8026D	219
1T8026DA	218
1T8026EL	218
1T8027CA	218
1T8027D	219
1T8027DA	218
1T8027EL	218
1T8028CA	218
1T8028D	219
1T8028DA	218
1T8028EL	218
1T8029CA	218
1T8029D	219
1T8029DA	218
1T8029EL	218
1T8030CA	218
1T8030D	219
1T8030DA	218
1T8030EL	218
1T8031CA	218
1T8031D	219
1T8031DA	218
1T8031EL	218
1T8032CA	218
1T8032D	219
1T8032DA	218
1T8032EL	218
1T8033CA	218
1T8033D	219
1T8033DA	218
1T8033EL	218
1T8034CA	218
1T8034D	219
1T8034DA	218
1T8034EL	218
1T8035CA	218
1T8035D	219
1T8035DA	218
1T8035EL	218
1T8036CA	218
1T8036D	219
1T8036DA	218
1T8036EL	218
1T8037CA	218
1T8037D	219
1T8037DA	218
1T8037EL	218
1T8038CA	218
1T8038D	219
1T8038DA	218
1T8038EL	218
1T8039CA	218
1T8039D	219
1T8039DA	218
1T8039EL	218
1T8040CA	218
1T8040D	219
1T8040DA	218
1T8040EL	218
1T8041CA	218
1T8041D	220
1T8041DA	218
1T8041EL	218
1T8042CA	218
1T8042D	220
1T8042DA	218
1T8042EL	218
1T8043CA	218
1T8043D	220
1T8043DA	218
1T8043EL	218
1T8044CA	218
1T8044D	220
1T8044DA	218
1T8044EL	218
1T8045CA	219
1T8045D	220
1T8045DA	219
1T8045EL	219
1T8046CA	219
1T8046D	220
1T8046DA	219
1T8046EL	219
1T8047CA	219
1T8047D	220
1T8047DA	219
1T8047EL	219
1T8048CA	219
1T8048D	220
1T8048DA	219
1T8048EL	219
1T8049DA	390
1T8049EL	390
1T8050DA	390
1T8050EL	390
1T8051DA	390
1T8051EL	390
1T8052DA	390
1T8052EL	390
1T8053DA	390
1T8053EL	390
1T8054DA	390
1T8054EL	390
1T8055DA	390
1T8055EL	390
1T8056DA	390
1T8056EL	390
1T8057DA	390
1T8057EL	390
1T8058DA	390
1T8058EL	390
1T8059DA	390
1T8059EL	390
1T8060DA	390
1T8060EL	390
1T8061DA	390
1T8061EL	390
1T8062DA	390
1T8062EL	390
1T8063DA	390
1T8063EL	390
1T8064DA	390
1T8064EL	390
1T8065DA	390
1T8065EL	390
1T8066DA	390
1T8066EL	390
1T8067DA	390
1T8067EL	390
1T8068DA	390
1T8068EL	390
1T8069DA	390
1T8069EL	390
1T8070DA	390
1T8070EL	390
1T8071DA	390
1T8071EL	390
1T8072DA	390
1T8072EL	390
1T8073DA	390
1T8073EL	390
1T8074DA	390
1T8074EL	390
1T8075DA	390
1T8075EL	390
1T8076DA	390
1T8076EL	390
1T8077DA	390
1T8077EL	390
1T8078DA	390
1T8078EL	390
1T8079DA	391
1T8079EL	391
1T8080DA	391
1T8080EL	391
1T8081DA	391
1T8081EL	391
1T8082DA	391
1T8082EL	391
1T8083DA	391
1T8083EL	391
1T8084DA	391
1T8084EL	391
1T8093	124, 150, 243, 392
1T8094	124, 150, 243, 392
1T8100DA	391
1T8100EL	391
1T8101DA	391
1T8101EL	391
1T8102DA	391
1T8102EL	391
1T8103DA	391
1T8103EL	391
1T8104DA	391
1T8104EL	391
1T8105DA	391
1T8105EL	391
1T8106DA	391
1T8106EL	391
1T8107DA	391
1T8107EL	391
1T8108DA	391
1T8108EL	391
1T8109DA	391
1T8109EL	391
1T8110DA	391

COD.	PAG.
1T8110EL	391
1T8111DA	391
1T8111EL	391
1T8112DA	391
1T8112EL	391
1T8113DA	391
1T8113EL	391
1T8114DA	391
1T8114EL	391
1T8115DA	391
1T8115EL	391
1T8116DA	391
1T8116EL	391
1T8117DA	391
1T8117EL	391
1T8118DA	391
1T8118EL	391
1T8119DA	391
1T8119EL	391
1T8120DA	391
1T8120EL	391
1T8121DA	391
1T8121EL	391
1T8122DA	391
1T8122EL	391
1T8123DA	391
1T8123EL	391
1T8124DA	392
1T8124EL	392
1T8125DA	392
1T8125EL	392
1T8126DA	392
1T8126EL	392
1T8127DA	392
1T8127EL	392
1T8128DA	392
1T8128EL	392
1T8129DA	392
1T8129EL	392
1T8130DA	392
1T8130EL	392
1T8131DA	392
1T8131EL	392
1T8132DA	392
1T8132EL	392
1T8133DA	392
1T8133EL	392
1T8134DA	392
1T8134EL	392
1T8135DA	392
1T8135EL	392
1T8136DA	242
1T8136EL	241
1T8137DA	242
1T8137EL	241
1T8138DA	242
1T8138EL	241
1T8139DA	242
1T8139EL	241
1T8140DA	242
1T8140EL	241
1T8141DA	242
1T8141EL	241
1T8142DA	242
1T8142EL	241
1T8143DA	242
1T8143EL	241
1T8144DA	242
1T8144EL	241
1T8145DA	242
1T8145EL	241
1T8146DA	242
1T8146EL	241
1T8147DA	242
1T8147EL	241
1T8148DA	242
1T8148EL	241
1T8149DA	242
1T8149EL	241
1T8150DA	242
1T8150EL	241
1T8151DA	242
1T8151EL	241
1T8152DA	242
1T8152EL	241
1T8153DA	242
1T8153EL	241
1T8154DA	242
1T8154EL	241
1T8155DA	242
1T8155EL	241
1T8156DA	242
1T8156EL	241
1T8157DA	242
1T8157EL	241
1T8158DA	242
1T8158EL	241
1T8159DA	242
1T8159EL	241
1T8160DA	243
1T8160EL	241
1T8161DA	243
1T8161EL	241
1T8162DA	243
1T8162EL	241
1T8163DA	243
1T8163EL	241
1T8164DA	243
1T8164EL	241
1T8165DA	243
1T8165EL	241
1T8166DA	243
1T8166EL	242
1T8167DA	243
1T8167EL	242
1T8168DA	243
1T8168EL	242
1T8169DA	243
1T8169EL	242
1T8170DA	243
1T8170EL	242
1T8171DA	243
1T8171EL	242
1T8172DA	166, 173
1T8172EL	166, 173
1T8173CA	354, 810
1T8174CA	229
1T8174D	228
1T8174DA	229
1T8174EL	228
1T8175CA	229
1T8175D	228
1T8175DA	229
1T8175EL	228
1T8176CA	229
1T8176D	228
1T8176DA	229
1T8176EL	228
1T8177CA	229
1T8177D	228
1T8177DA	229
1T8177EL	228
1T8178D	231
1T8178DA	232
1T8178EL	230
1T8179D	231
1T8179DA	232
1T8179EL	230
1T8180D	231
1T8180DA	232
1T8180EL	230
1T8181D	231
1T8181DA	232
1T8181EL	230
1T8182D	231
1T8182DA	232
1T8182EL	230
1T8183D	231
1T8183DA	232
1T8183EL	230
1T8184D	231
1T8184DA	232
1T8184EL	230
1T8185D	231
1T8185DA	232
1T8185EL	230
1T8186D	231
1T8186DA	232
1T8186EL	230
1T8187D	231
1T8187DA	232
1T8187EL	230
1T8188D	231
1T8188DA	232
1T8188EL	230
1T8189D	231
1T8189DA	232
1T8189EL	230
1T8190	367
1T8190CA	367
1T8190DD	367
1T8191	367
1T8191CA	367
1T8191DD	367
1T8192	367
1T8192CA	367
1T8192DD	367
1T8193	367
1T8193CA	367
1T8193DD	367
1T8194	367
1T8194CA	367
1T8194DD	367
1T8195	367
1T8195CA	367
1T8195DD	367
1T8196	367
1T8196CA	367
1T8196DD	367
1T8197	367
1T8197CA	367
1T8197DD	367
1T8198	367
1T8198CA	367
1T8198DD	367
1T8199	367
1T8199CA	367
1T8199DD	367
1T8200	367
1T8200CA	367
1T8200DD	367
1T8201	367
1T8201CA	367
1T8201DD	367
1T8202	367
1T8202CA	367
1T8202DD	367
1T8203	367
1T8203CA	367
1T8203DD	367
1T8204	367
1T8204CA	367
1T8204DD	367
1T8205	367
1T8205CA	367
1T8205DD	367
1T8206DA	192
1T8206EL	192
1T8207DA	192
1T8207EL	192
1T8208DA	192
1T8208EL	192
1T8209DA	192
1T8209EL	192
1T8210DA	192
1T8210EL	192
1T8211DA	192
1T8211EL	192
1T8212DA	192
1T8212EL	192
1T8213DA	192
1T8213EL	192
1T8214DA	192

COD.	PAG.
1T8214EL	192
1T8215DA	192
1T8215EL	192
1T8216DA	192
1T8216EL	192
1T8217DA	192
1T8217EL	192
1T8218DA	97
1T8218EL	97
1T8219DA	97
1T8219EL	97
1T8220DA	97
1T8220EL	97
1T8221DA	97
1T8221EL	97
1T8222DA	97
1T8222EL	97
1T8223DA	97
1T8223EL	97
1T8224DA	97
1T8224EL	97
1T8225DA	97
1T8225EL	97
1T8226DA	97
1T8226EL	97
1T8227DA	97
1T8227EL	97
1T8228DA	97
1T8228EL	97
1T8229DA	97
1T8229EL	97
1T8230DA	97
1T8230EL	97
1T8231DA	98
1T8231EL	98
1T8232DA	98
1T8232EL	98
1T8233DA	97
1T8233EL	97
1T8234DA	98
1T8234EL	98
1T8235DA	98
1T8235EL	98
1T8236DA	97
1T8236EL	97
1T8237DA	98
1T8237EL	98
1T8238DA	98
1T8238EL	98
1T8239DA	97
1T8239EL	97
1T8240DA	98
1T8240EL	98
1T8241DA	98
1T8241EL	98
1T8242DA	97
1T8242EL	97
1T8243DA	97
1T8243EL	97
1T8244DA	97
1T8244EL	97
1T8245DA	97
1T8245EL	97
1T8246DA	97
1T8246EL	97
1T8247DA	97
1T8247EL	97
1T8248DA	97
1T8248EL	97
1T8249DA	97
1T8249EL	97
1T8250DA	97
1T8250EL	97
1T8251DA	97
1T8251EL	97
1T8252DA	97
1T8252EL	97
1T8253DA	97
1T8253EL	97
1T8254DA	97
1T8254EL	97

COD.	PAG.
1T8255DA	98
1T8255EL	98
1T8256DA	98
1T8256EL	98
1T8257DA	97
1T8257EL	97
1T8258DA	98
1T8258EL	98
1T8259DA	98
1T8259EL	98
1T8260DA	97
1T8260EL	97
1T8261DA	98
1T8261EL	98
1T8262DA	98
1T8262EL	98
1T8263DA	97
1T8263EL	97
1T8264DA	98
1T8264EL	98
1T8265DA	98
1T8265EL	98
1T8266DA	106
1T8266EL	106
1T8267DA	106
1T8267EL	106
1T8268DA	106
1T8268EL	106
1T8269DA	106
1T8269EL	106
1T8270DA	106
1T8270EL	106
1T8271DA	106
1T8271EL	106
1T8272DA	106
1T8272EL	106
1T8273DA	106
1T8273EL	106
1T8274DA	106
1T8274EL	106
1T8275DA	106
1T8275EL	106
1T8276DA	106
1T8276EL	106
1T8277DA	106
1T8277EL	106
1T8278DA	106
1T8278EL	106
1T8279DA	106
1T8279EL	106
1T8280DA	106
1T8280EL	106
1T8281DA	106
1T8281EL	106
1T8290DA	99
1T8290EL	99
1T8291DA	99
1T8291EL	99
1T8292DA	99
1T8292EL	99
1T8293DA	99
1T8293EL	99
1T8294DA	99
1T8294EL	99
1T8295DA	99
1T8295EL	99
1T8296DA	99
1T8296EL	99
1T8297DA	99
1T8297EL	99
1T8298DA	99
1T8298EL	99
1T8299DA	99
1T8299EL	99
1T8300DA	99
1T8300EL	99
1T8301DA	99
1T8301EL	99
1T8302DA	100
1T8302EL	100
1T8303DA	100

COD.	PAG.
1T8303EL	100
1T8304DA	100
1T8304EL	100
1T8305DA	100
1T8305EL	100
1T8306DA	100
1T8306EL	100
1T8307DA	100
1T8307EL	100
1T8308DA	100
1T8308EL	100
1T8309DA	100
1T8309EL	100
1T8310DA	100
1T8310EL	100
1T8311DA	100
1T8311EL	100
1T8312DA	100
1T8312EL	100
1T8313DA	100
1T8313EL	100
1T8315DA	112
1T8315EL	112
1T8316DA	112
1T8316EL	112
1T8318DA	112
1T8318EL	112
1T8319DA	112
1T8319EL	112
1T8321DA	112
1T8321EL	112
1T8322DA	112
1T8322EL	112
1T8324DA	112
1T8324EL	112
1T8325DA	112
1T8325EL	112
1T8326DA	99
1T8326EL	99
1T8327DA	99
1T8327EL	99
1T8328DA	99
1T8328EL	99
1T8329DA	99
1T8329EL	99
1T8330DA	99
1T8330EL	99
1T8331DA	99
1T8331EL	99
1T8332DA	99
1T8332EL	99
1T8333DA	99
1T8333EL	99
1T8334DA	99
1T8334EL	99
1T8335DA	99
1T8335EL	99
1T8336DA	99
1T8336EL	99
1T8337DA	99
1T8337EL	99
1T8338DA	100
1T8338EL	100
1T8339DA	100
1T8339EL	100
1T8340DA	100
1T8340EL	100
1T8341DA	100
1T8341EL	100
1T8342DA	100
1T8342EL	100
1T8343DA	100
1T8343EL	100
1T8344DA	100
1T8344EL	100
1T8345DA	100
1T8345EL	100
1T8346DA	100
1T8346EL	100
1T8347DA	100
1T8347EL	100

COD.	PAG.
1T8348DA	100
1T8348EL	100
1T8349DA	100
1T8349EL	100
1T8351DA	112
1T8351EL	112
1T8352DA	112
1T8352EL	112
1T8354DA	112
1T8354EL	112
1T8355DA	112
1T8355EL	112
1T8357DA	112
1T8357EL	112
1T8358DA	112
1T8358EL	112
1T8360DA	112
1T8360EL	112
1T8361DA	112
1T8361EL	112
1T8370DA	122
1T8370EL	122
1T8371DA	122
1T8371EL	122
1T8372DA	122
1T8372EL	122
1T8373DA	122
1T8373EL	122
1T8374DA	122
1T8374EL	122
1T8375DA	122
1T8375EL	122
1T8376DA	124
1T8376EL	124
1T8377DA	122
1T8377EL	122
1T8378DA	122
1T8378EL	122
1T8379DA	124
1T8379EL	124
1T8380DA	122
1T8380EL	122
1T8381DA	122
1T8381EL	122
1T8382DA	124
1T8382EL	124
1T8383DA	122
1T8383EL	122
1T8384DA	122
1T8384EL	122
1T8385DA	124
1T8385EL	124
1T8386DA	122
1T8386EL	122
1T8387DA	122
1T8387EL	122
1T8388DA	124
1T8388EL	124
1T8389DA	122
1T8389EL	122
1T8390DA	122
1T8390EL	122
1T8391DA	124
1T8391EL	124
1T8392DA	122
1T8392EL	122
1T8393DA	122
1T8393EL	122
1T8394DA	124
1T8394EL	124
1T8395DA	122
1T8395EL	122
1T8396DA	122
1T8396EL	122
1T8397DA	124
1T8397EL	124
1T8398DA	102
1T8398EL	102
1T8399DA	102
1T8399EL	102
1T8400DA	102
1T8400EL	102
1T8401DA	102
1T8401EL	102
1T8402DA	102
1T8402EL	102
1T8403DA	102
1T8403EL	102
1T8404DA	102
1T8404EL	102
1T8405DA	102
1T8405EL	102
1T8406DA	102
1T8406EL	102
1T8407DA	103
1T8407EL	103
1T8408DA	102
1T8408EL	102
1T8409DA	103
1T8409EL	103
1T8410DA	102
1T8410EL	102
1T8411DA	103
1T8411EL	103
1T8412DA	102
1T8412EL	102
1T8413DA	103
1T8413EL	103
1T8415DA	114
1T8415EL	114
1T8417DA	114
1T8417EL	114
1T8419DA	114
1T8419EL	114
1T8421DA	114
1T8421EL	114
1T8422DA	102
1T8422EL	102
1T8423DA	102
1T8423EL	102
1T8424DA	102
1T8424EL	102
1T8425DA	102
1T8425EL	102
1T8426DA	102
1T8426EL	102
1T8427DA	102
1T8427EL	102
1T8428DA	102
1T8428EL	102
1T8429DA	102
1T8429EL	102
1T8430DA	102
1T8430EL	102
1T8431DA	103
1T8431EL	103
1T8432DA	102
1T8432EL	102
1T8433DA	103
1T8433EL	103
1T8434DA	102
1T8434EL	102
1T8435DA	103
1T8435EL	103
1T8436DA	102
1T8436EL	102
1T8437DA	103
1T8437EL	103
1T8439DA	114
1T8439EL	114
1T8441DA	114
1T8441EL	114
1T8443DA	114
1T8443EL	114
1T8445DA	114
1T8445EL	114
1T8446DA	132
1T8446EL	132
1T8447DA	132
1T8447EL	132
1T8448DA	132
1T8448EL	132
1T8449DA	132
1T8449EL	132
1T8450DA	132
1T8450EL	132
1T8451DA	132
1T8451EL	132
1T8452DA	132
1T8452EL	132
1T8453DA	132
1T8453EL	132
1T8454DA	132
1T8454EL	132
1T8455DA	132
1T8455EL	132
1T8456DA	132
1T8456EL	132
1T8457DA	132
1T8457EL	132
1T8458DA	132
1T8458EL	132
1T8459DA	132
1T8459EL	132
1T8460DA	132
1T8460EL	132
1T8461DA	132
1T8461EL	132
1T8462DA	132
1T8462EL	132
1T8463DA	132
1T8463EL	132
1T8464DA	132
1T8464EL	132
1T8465DA	132
1T8465EL	132
1T8466DA	132
1T8466EL	132
1T8467DA	132
1T8467EL	132
1T8468DA	132
1T8468EL	132
1T8469DA	132
1T8469EL	132
1T8470DA	132
1T8470EL	132
1T8471DA	132
1T8471EL	132
1T8472DA	132
1T8472EL	132
1T8473DA	132
1T8473EL	132
1T8474DA	132
1T8474EL	132
1T8475DA	132
1T8475EL	132
1T8476DA	132
1T8476EL	132
1T8477DA	132
1T8477EL	132
1T8478DA	132
1T8478EL	132
1T8479DA	132
1T8479EL	132
1T8480DA	132
1T8480EL	132
1T8481DA	132
1T8481EL	132
1T8482DA	163
1T8482EL	163
1T8483DA	163
1T8483EL	163
1T8484DA	163
1T8484EL	163
1T8485DA	163
1T8485EL	163
1T8486DA	163
1T8486EL	163
1T8487DA	163
1T8487EL	163
1T8488DA	163
1T8488EL	163
1T8489DA	163

COD.	PAG.
1T8489EL	163
1T8490DA	164
1T8490EL	164
1T8491DA	164
1T8491EL	164
1T8492DA	164
1T8492EL	164
1T8493DA	164
1T8493EL	164
1T8494DA	123
1T8494EL	123
1T8495DA	123
1T8495EL	123
1T8496DA	124
1T8496EL	124
1T8497DA	123
1T8497EL	123
1T8498DA	123
1T8498EL	123
1T8499DA	124
1T8499EL	124
1T8500DA	123
1T8500EL	123
1T8501DA	123
1T8501EL	123
1T8502DA	124
1T8502EL	124
1T8503DA	123
1T8503EL	123
1T8504DA	123
1T8504EL	123
1T8505DA	124
1T8505EL	124
1T8506DA	123
1T8506EL	123
1T8507DA	123
1T8507EL	123
1T8508DA	123
1T8508EL	123
1T8509DA	123
1T8509EL	123
1T8510DA	123
1T8510EL	123
1T8511DA	123
1T8511EL	123
1T8512DA	123
1T8512EL	123
1T8513DA	123
1T8513EL	123
1T8514DA	123
1T8514EL	123
1T8515DA	123
1T8515EL	123
1T8516DA	123
1T8516EL	123
1T8517DA	123
1T8517EL	123
1T8518DA	164
1T8518EL	164
1T8519DA	164
1T8519EL	164
1T8520DA	164
1T8520EL	164
1T8521DA	164
1T8521EL	164
1T8522DA	164
1T8522EL	164
1T8523DA	164
1T8523EL	164
1T8524DA	164
1T8524EL	164
1T8525DA	164
1T8525EL	164
1T8526DA	164
1T8526EL	164
1T8527DA	164
1T8527EL	164
1T8528DA	164
1T8528EL	164
1T8529DA	164
1T8529EL	164

COD.	PAG.
1T8530DA	164
1T8530EL	164
1T8531DA	164
1T8531EL	164
1T8532DA	164
1T8532EL	164
1T8533DA	164
1T8533EL	164
1T8534DA	164
1T8534EL	164
1T8535DA	164
1T8535EL	164
1T8536DA	164
1T8536EL	164
1T8537DA	164
1T8537EL	164
1T8538DA	165
1T8538EL	165
1T8539DA	165
1T8539EL	165
1T8540DA	165
1T8540EL	165
1T8541DA	165
1T8541EL	165
1T8546DA	105
1T8546EL	105
1T8547DA	105
1T8547EL	105
1T8548DA	105
1T8548EL	105
1T8549DA	105
1T8549EL	105
1T8550DA	115
1T8550EL	115
1T8551DA	115
1T8551EL	115
1T8552DA	115
1T8552EL	115
1T8553DA	115
1T8553EL	115
1T8558DA	105
1T8558EL	105
1T8559DA	105
1T8559EL	105
1T8560DA	105
1T8560EL	105
1T8561DA	105
1T8561EL	105
1T8562DA	115
1T8562EL	115
1T8563DA	115
1T8563EL	115
1T8564DA	115
1T8564EL	115
1T8565DA	115
1T8565EL	115
1T8566DA	123
1T8566EL	123
1T8567DA	123
1T8567EL	123
1T8568DA	123
1T8568EL	123
1T8569DA	123
1T8569EL	123
1T8570DA	123
1T8570EL	123
1T8571DA	123
1T8571EL	123
1T8572DA	123
1T8572EL	123
1T8573DA	123
1T8573EL	123
1T8574DA	123
1T8574EL	123
1T8575DA	123
1T8575EL	123
1T8576DA	123
1T8576EL	123
1T8577DA	123
1T8577EL	123
1T8578DA	122

COD.	PAG.
1T8578EL	122
1T8579DA	122
1T8579EL	122
1T8580DA	122
1T8580EL	122
1T8581DA	122
1T8581EL	122
1T8582DA	122
1T8582EL	122
1T8583DA	122
1T8583EL	122
1T8584DA	124
1T8584EL	124
1T8585DA	122
1T8585EL	122
1T8586DA	122
1T8586EL	122
1T8587DA	124
1T8587EL	124
1T8588DA	122
1T8588EL	122
1T8589DA	122
1T8589EL	122
1T8590DA	124
1T8590EL	124
1T8591DA	122
1T8591EL	122
1T8592DA	122
1T8592EL	122
1T8593DA	124
1T8593EL	124
1T8594DA	122
1T8594EL	122
1T8595DA	122
1T8595EL	122
1T8596DA	124
1T8596EL	124
1T8597DA	122
1T8597EL	122
1T8598DA	122
1T8598EL	122
1T8599DA	124
1T8599EL	124
1T8600DA	122
1T8600EL	122
1T8601DA	122
1T8601EL	122
1T8602DA	124
1T8602EL	124
1T8603DA	122
1T8603EL	122
1T8604DA	122
1T8604EL	122
1T8605DA	124
1T8605EL	124
1T8606DA	123
1T8606EL	123
1T8607DA	123
1T8607EL	123
1T8608DA	124
1T8608EL	124
1T8609DA	123
1T8609EL	123
1T8610DA	123
1T8610EL	123
1T8611DA	124
1T8611EL	124
1T8612DA	123
1T8612EL	123
1T8613DA	123
1T8613EL	123
1T8614DA	124
1T8614EL	124
1T8615DA	123
1T8615EL	123
1T8616DA	123
1T8616EL	123
1T8617DA	124
1T8617EL	124
1T8618DA	122
1T8618EL	122

COD.	PAG.
1T8619DA	122
1T8619EL	122
1T8620DA	122
1T8620EL	122
1T8621DA	122
1T8621EL	122
1T8622DA	122
1T8622EL	122
1T8623DA	122
1T8623EL	122
1T8624DA	124
1T8624EL	124
1T8625DA	122
1T8625EL	122
1T8626DA	122
1T8626EL	122
1T8627DA	124
1T8627EL	124
1T8628DA	122
1T8628EL	122
1T8629DA	122
1T8629EL	122
1T8630DA	124
1T8630EL	124
1T8631DA	122
1T8631EL	122
1T8632DA	122
1T8632EL	122
1T8633DA	124
1T8633EL	124
1T8634DA	122
1T8634EL	122
1T8635DA	122
1T8635EL	122
1T8636DA	124
1T8636EL	124
1T8637DA	122
1T8637EL	122
1T8638DA	122
1T8638EL	122
1T8639DA	124
1T8639EL	124
1T8640DA	122
1T8640EL	122
1T8641DA	122
1T8641EL	122
1T8642DA	124
1T8642EL	124
1T8643DA	122
1T8643EL	122
1T8644DA	122
1T8644EL	122
1T8645DA	124
1T8645EL	124
1T8646DA	123
1T8646EL	123
1T8647DA	123
1T8647EL	123
1T8648DA	124
1T8648EL	124
1T8649DA	123
1T8649EL	123
1T8650DA	123
1T8650EL	123
1T8651DA	124
1T8651EL	124
1T8652DA	123
1T8652EL	123
1T8653DA	123
1T8653EL	123
1T8654DA	124
1T8654EL	124
1T8655DA	123
1T8655EL	123
1T8656DA	123
1T8656EL	123
1T8657DA	124
1T8657EL	124
1T8658DA	123
1T8658EL	123
1T8659DA	123
1T8659EL	123
1T8660DA	123
1T8660EL	123
1T8661DA	123
1T8661EL	123
1T8662DA	123
1T8662EL	123
1T8663DA	123
1T8663EL	123
1T8664DA	123
1T8664EL	123
1T8665DA	123
1T8665EL	123
1T8666DA	123
1T8666EL	123
1T8667DA	123
1T8667EL	123
1T8668DA	123
1T8668EL	123
1T8669DA	123
1T8669EL	123
1T8670DA	123
1T8670EL	123
1T8671DA	123
1T8671EL	123
1T8672DA	123
1T8672EL	123
1T8673DA	123
1T8673EL	123
1T8674DA	123
1T8674EL	123
1T8675DA	123
1T8675EL	123
1T8676DA	123
1T8676EL	123
1T8677DA	123
1T8677EL	123
1T8678DA	123
1T8678EL	123
1T8679DA	123
1T8679EL	123
1T8680DA	123
1T8680EL	123
1T8681DA	123
1T8681EL	123
1T8682DA	127
1T8682EL	127
1T8683DA	127
1T8683EL	127
1T8684DA	127
1T8684EL	127
1T8685DA	127
1T8685EL	127
1T8686DA	127
1T8686EL	127
1T8687DA	127
1T8687EL	127
1T8688DA	127
1T8688EL	127
1T8689DA	127
1T8689EL	127
1T8690DA	127
1T8690EL	127
1T8691DA	128
1T8691EL	128
1T8692DA	127
1T8692EL	127
1T8693DA	128
1T8693EL	128
1T8694DA	127
1T8694EL	127
1T8695DA	128
1T8695EL	128
1T8696DA	127
1T8696EL	127
1T8697DA	128
1T8697EL	128
1T8698DA	126
1T8698EL	126
1T8699DA	126
1T8699EL	126
1T8700DA	126
1T8700EL	126
1T8701DA	126
1T8701EL	126
1T8702DA	126
1T8702EL	126
1T8703DA	126
1T8703EL	126
1T8704DA	128
1T8704EL	128
1T8705DA	126
1T8705EL	126
1T8706DA	126
1T8706EL	126
1T8707DA	128
1T8707EL	128
1T8708DA	126
1T8708EL	126
1T8709DA	126
1T8709EL	126
1T8710DA	128
1T8710EL	128
1T8711DA	126
1T8711EL	126
1T8712DA	126
1T8712EL	126
1T8713DA	128
1T8713EL	128
1T8714DA	126
1T8714EL	126
1T8715DA	126
1T8715EL	126
1T8716DA	128
1T8716EL	128
1T8717DA	126
1T8717EL	126
1T8718DA	126
1T8718EL	126
1T8719DA	128
1T8719EL	128
1T8720DA	126
1T8720EL	126
1T8721DA	126
1T8721EL	126
1T8722DA	128
1T8722EL	128
1T8723DA	126
1T8723EL	126
1T8724DA	126
1T8724EL	126
1T8725DA	128
1T8725EL	128
1T8726DA	127
1T8726EL	127
1T8727DA	127
1T8727EL	127
1T8728DA	126
1T8728EL	126
1T8729DA	127
1T8729EL	127
1T8730DA	127
1T8730EL	127
1T8731DA	126
1T8731EL	126
1T8732DA	127
1T8732EL	127
1T8733DA	127
1T8733EL	127
1T8734DA	126
1T8734EL	126
1T8735DA	127
1T8735EL	127
1T8736DA	127
1T8736EL	127
1T8737DA	126
1T8737EL	126
1T8738DA	126
1T8738EL	126
1T8739DA	126
1T8739EL	126
1T8740DA	126

COD.	PAG.
1T8740EL	126
1T8741DA	126
1T8741EL	126
1T8742DA	126
1T8742EL	126
1T8743DA	126
1T8743EL	126
1T8744DA	126
1T8744EL	126
1T8745DA	126
1T8745EL	126
1T8746DA	126
1T8746EL	126
1T8747DA	126
1T8747EL	126
1T8748DA	126
1T8748EL	126
1T8749DA	126
1T8749EL	126
1T8750DA	126
1T8750EL	126
1T8751DA	126
1T8751EL	126
1T8752DA	126
1T8752EL	126
1T8753DA	126
1T8753EL	126
1T8754DA	126
1T8754EL	126
1T8755DA	126
1T8755EL	126
1T8756DA	126
1T8756EL	126
1T8757DA	126
1T8757EL	126
1T8758DA	126
1T8758EL	126
1T8759DA	126
1T8759EL	126
1T8760DA	126
1T8760EL	126
1T8761DA	126
1T8761EL	126
1T8762DA	126
1T8762EL	126
1T8763DA	126
1T8763EL	126
1T8764DA	126
1T8764EL	126
1T8765DA	126
1T8765EL	126
1T8766DA	127
1T8766EL	127
1T8767DA	127
1T8767EL	127
1T8768DA	126
1T8768EL	126
1T8769DA	127
1T8769EL	127
1T8770DA	127
1T8770EL	127
1T8771DA	126
1T8771EL	126
1T8772DA	127
1T8772EL	127
1T8773DA	127
1T8773EL	127
1T8774DA	126
1T8774EL	126
1T8775DA	127
1T8775EL	127
1T8776DA	127
1T8776EL	127
1T8777DA	126
1T8777EL	126
1T8778DA	126
1T8778EL	126
1T8779DA	126
1T8779EL	126
1T8780DA	126
1T8780EL	126
1T8781DA	126
1T8781EL	126
1T8782DA	127
1T8782EL	127
1T8783DA	127
1T8783EL	127
1T8784DA	127
1T8784EL	127
1T8785DA	127
1T8785EL	127
1T8786DA	127
1T8786EL	127
1T8787DA	127
1T8787EL	127
1T8788DA	127
1T8788EL	127
1T8789DA	127
1T8789EL	127
1T8790DA	127
1T8790EL	127
1T8791DA	127
1T8791EL	127
1T8792DA	127
1T8792EL	127
1T8793DA	127
1T8793EL	127
1T8794DA	127
1T8794EL	127
1T8795DA	127
1T8795EL	127
1T8796DA	127
1T8796EL	127
1T8797DA	127
1T8797EL	127
1T8798DA	127
1T8798EL	127
1T8799DA	127
1T8799EL	127
1T8800DA	127
1T8800EL	127
1T8801DA	127
1T8801EL	127
1T8802DA	127
1T8802EL	127
1T8803DA	128
1T8803EL	128
1T8804DA	127
1T8804EL	127
1T8805DA	128
1T8805EL	128
1T8806DA	127
1T8806EL	127
1T8807DA	128
1T8807EL	128
1T8808DA	127
1T8808EL	127
1T8809DA	128
1T8809EL	128
1T8810DA	128
1T8810EL	128
1T8811DA	128
1T8811EL	128
1T8812DA	128
1T8812EL	128
1T8813DA	128
1T8813EL	128
1T8814DA	128
1T8814EL	128
1T8815DA	128
1T8815EL	128
1T8816DA	128
1T8816EL	128
1T8817DA	128
1T8817EL	128
1T8818DA	130
1T8818EL	130
1T8819DA	130
1T8819EL	130
1T8820DA	130
1T8820EL	130
1T8821DA	130
1T8821EL	130
1T8822DA	130
1T8822EL	130
1T8823DA	130
1T8823EL	130
1T8824DA	130
1T8824EL	130
1T8825DA	130
1T8825EL	130
1T8826DA	130
1T8826EL	130
1T8827DA	130
1T8827EL	130
1T8828DA	130
1T8828EL	130
1T8829DA	130
1T8829EL	130
1T8830DA	130
1T8830EL	130
1T8831DA	130
1T8831EL	130
1T8832DA	130
1T8832EL	130
1T8833DA	130
1T8833EL	130
1T8834DA	130
1T8834EL	130
1T8835DA	130
1T8835EL	130
1T8836DA	130
1T8836EL	130
1T8837DA	130
1T8837EL	130
1T8838DA	130
1T8838EL	130
1T8839DA	130
1T8839EL	130
1T8840DA	130
1T8840EL	130
1T8841DA	130
1T8841EL	130
1T8842DA	130
1T8842EL	130
1T8843DA	130
1T8843EL	130
1T8844DA	130
1T8844EL	130
1T8845DA	130
1T8845EL	130
1T8846DA	130
1T8846EL	130
1T8847DA	130
1T8847EL	130
1T8848DA	130
1T8848EL	130
1T8849DA	130
1T8849EL	130
1T8850DA	165
1T8850EL	165
1T8851DA	165
1T8851EL	165
1T8852DA	165
1T8852EL	165
1T8853DA	165
1T8853EL	165
1T8854DA	165
1T8854EL	165
1T8855DA	165
1T8855EL	165
1T8856DA	165
1T8856EL	165
1T8857DA	165
1T8857EL	165
1T8858DA	165
1T8858EL	165
1T8859DA	165
1T8859EL	165
1T8860DA	165
1T8860EL	165
1T8861DA	165
1T8861EL	165

COD.	PAG.
1T8862DA	165
1T8862EL	165
1T8863DA	165
1T8863EL	165
1T8864DA	165
1T8864EL	165
1T8865DA	165
1T8865EL	165
1T8866DA	165
1T8866EL	165
1T8867DA	165
1T8867EL	165
1T8868DA	165
1T8868EL	165
1T8869DA	165
1T8869EL	165
1T8870DA	170
1T8870EL	170
1T8871DA	170
1T8871EL	170
1T8872DA	170
1T8872EL	170
1T8873DA	170
1T8873EL	170
1T8874DA	171
1T8874EL	171
1T8875DA	171
1T8875EL	171
1T8876DA	171
1T8876EL	171
1T8877DA	171
1T8877EL	171
1T8878DA	171
1T8878EL	171
1T8879DA	171
1T8879EL	171
1T8880DA	171
1T8880EL	171
1T8881DA	171
1T8881EL	171
1T8882DA	171
1T8882EL	171
1T8883DA	171
1T8883EL	171
1T8884DA	171
1T8884EL	171
1T8885DA	171
1T8885EL	171
1T8886DA	172
1T8886EL	172
1T8887DA	172
1T8887EL	172
1T8888DA	172
1T8888EL	172
1T8889DA	172
1T8889EL	172
1T8890DA	172
1T8890EL	172
1T8891DA	172
1T8891EL	172
1T8892DA	172
1T8892EL	172
1T8893DA	172
1T8893EL	172
1T8894DA	172
1T8894EL	172
1T8895DA	172
1T8895EL	172
1T8896DA	172
1T8896EL	172
1T8897DA	172
1T8897EL	172
1T8898DA	466
1T8898EL	466
1T8899DA	466
1T8899EL	466
1T8900DA	466
1T8900EL	466
1T8901DA	466
1T8901EL	466
1T8902DA	466

COD.	PAG.
1T8902EL	466
1T8903DA	466
1T8903EL	466
1T8904DA	466
1T8904EL	466
1T8905DA	466
1T8905EL	466
1T8906DA	467
1T8906EL	467
1T8907DA	467
1T8907EL	467
1T8908DA	467
1T8908EL	467
1T8909DA	467
1T8909EL	467
1T8910DA	466
1T8910EL	466
1T8911DA	466
1T8911EL	466
1T8912DA	466
1T8912EL	466
1T8913DA	466
1T8913EL	466
1T8914DA	466
1T8914EL	466
1T8915DA	466
1T8915EL	466
1T8916DA	466
1T8916EL	466
1T8917DA	466
1T8917EL	466
1T8918DA	467
1T8918EL	467
1T8919DA	467
1T8919EL	467
1T8920	296
1T8921	296
1T8922	296
1T8923	296
1T8924DA	297
1T8924EL	297
1T8925DA	297
1T8925EL	297
1T8926DA	297
1T8926EL	297
1T8927DA	297
1T8927EL	297
1T8928DA	298
1T8928EL	298
1T8929DA	298
1T8929EL	298
1T8930DA	298
1T8930EL	298
1T8931DA	298
1T8931EL	298
1T8932DA	299
1T8932EL	299
1T8933DA	299
1T8933EL	299
1T8934DA	299
1T8934EL	299
1T8935DA	299
1T8935EL	299
1T8936DA	467
1T8936EL	467
1T8937DA	467
1T8937EL	467
1T8938DA	467
1T8938EL	467
1T8939DA	467
1T8939EL	467
1T8940DA	467
1T8940EL	467
1T8941DA	467
1T8941EL	467
1T8942DA	468
1T8942EL	468
1T8943DA	468
1T8943EL	468
1T8944DA	468
1T8944EL	468

COD.	PAG.
1T8945DA	468
1T8945EL	468
1T8946DA	468
1T8946EL	468
1T8947DA	468
1T8947EL	468
1T8948DA	468
1T8948EL	468
1T8949DA	468
1T8949EL	468
1T8950DA	467
1T8950EL	467
1T8951DA	467
1T8951EL	467
1T8952DA	467
1T8952EL	467
1T8953DA	467
1T8953EL	467
1T8954DA	468
1T8954EL	468
1T8955DA	468
1T8955EL	468
1T8956DA	468
1T8956EL	468
1T8957DA	468
1T8957EL	468
1T8958DA	468
1T8958EL	468
1T8959DA	468
1T8959EL	468
1T8960DA	468
1T8960EL	468
1T8961DA	468
1T8961EL	468
1T8962	160
1T8963	160
1T8964	160
1T8965	160
1T8966	160
1T8967	160
1T8968	160
1T8969	160
1T8970	161
1T8971	161
1T8972	161
1T8973	161
1T8974	161
1T8975	161
1T8976	161
1T8977	161
1T8978	161
1T8979	161
1T8980	161
1T8981	161
1T8982	161
1T8983	161
1T8984	161
1T8985	161
1T8986	161
1T8987	161
1T8988	161
1T8989	161
1T8990	161
1T8991	161
1T8992	161
1T8993	161
1T8994	162
1T8995	162
1T8996	162
1T8997	162
1T8998	162
1T8999	162
1T9000	162
1T9001	162
1T9002	162
1T9003	162
1T9004	162
1T9005	162
1T9006	162
1T9007	162
1T9008	162

COD.	PAG.
1T9009	162
1T9010	162
1T9011	162
1T9012	162
1T9013	162
1T9014	162
1T9015	162
1T9016	162
1T9017	162
1T9018	167
1T9019	167
1T9020	167
1T9021	167
1T9022	168
1T9023	168
1T9024	168
1T9025	168
1T9026	168
1T9027	168
1T9028	168
1T9029	168
1T9030	168
1T9031	168
1T9032	168
1T9033	168
1T9034	169
1T9035	169
1T9036	169
1T9037	169
1T9038	169
1T9039	169
1T9040	169
1T9041	169
1T9042	169
1T9043	169
1T9044	169
1T9045	169
1T9046DA	393
1T9046EL	393
1T9047DA	393
1T9047EL	393
1T9048DA	393
1T9048EL	393
1T9049DA	393
1T9049EL	393
1T9050DA	393
1T9050EL	393
1T9051DA	393
1T9051EL	393
1T9052DA	393
1T9052EL	393
1T9053DA	393
1T9053EL	393
1T9054DA	393
1T9054EL	393
1T9055DA	393
1T9055EL	393
1T9056DA	393
1T9056EL	393
1T9057DA	393
1T9057EL	393
1T9058DA	394
1T9058EL	394
1T9059DA	394
1T9059EL	394
1T9060DA	394
1T9060EL	394
1T9061DA	394
1T9061EL	394
1T9062DA	394
1T9062EL	394
1T9063DA	394
1T9063EL	394
1T9064DA	394
1T9064EL	394
1T9065DA	394
1T9065EL	394
1T9066DA	394
1T9066EL	394
1T9067DA	394
1T9067EL	394
1T9068DA	394
1T9068EL	394
1T9069DA	394
1T9069EL	394
1T9070DA	395
1T9070EL	395
1T9071DA	395
1T9071EL	395
1T9072DA	395
1T9072EL	395
1T9073DA	395
1T9073EL	395
1T9074DA	395
1T9074EL	395
1T9075DA	395
1T9075EL	395
1T9076DA	395
1T9076EL	395
1T9077DA	395
1T9077EL	395
1T9078DA	395
1T9078EL	395
1T9079DA	395
1T9079EL	395
1T9080DA	395
1T9080EL	395
1T9081DA	395
1T9081EL	395
1T9082DA	245
1T9082EL	244
1T9083DA	245
1T9083EL	244
1T9084DA	245
1T9084EL	244
1T9085DA	245
1T9085EL	244
1T9086DA	245
1T9086EL	244
1T9087DA	245
1T9087EL	244
1T9088DA	246
1T9088EL	244
1T9089DA	246
1T9089EL	244
1T9090DA	246
1T9090EL	244
1T9091DA	246
1T9091EL	244
1T9092DA	246
1T9092EL	244
1T9093DA	246
1T9093EL	244
1T9094DA	246
1T9094EL	245
1T9095DA	246
1T9095EL	245
1T9096DA	246
1T9096EL	245
1T9097DA	246
1T9097EL	245
1T9098DA	246
1T9098EL	245
1T9099DA	246
1T9099EL	245
1T9100DA	138
1T9100EL	138
1T9101DA	138
1T9101EL	138
1T9102DA	138
1T9102EL	138
1T9103DA	138
1T9103EL	138
1T9104DA	138
1T9104EL	138
1T9105DA	138
1T9105EL	138
1T9106DA	138
1T9106EL	138
1T9107DA	138
1T9107EL	138
1T9108DA	138
1T9108EL	138
1T9109DA	138
1T9109EL	138
1T9110DA	138
1T9110EL	138
1T9111DA	138
1T9111EL	138
1T9112DA	138
1T9112EL	138
1T9113DA	138
1T9113EL	138
1T9114DA	139
1T9114EL	139
1T9115DA	138
1T9115EL	138
1T9116DA	138
1T9116EL	138
1T9117DA	139
1T9117EL	139
1T9118DA	138
1T9118EL	138
1T9119DA	138
1T9119EL	138
1T9120DA	139
1T9120EL	139
1T9121DA	138
1T9121EL	138
1T9122DA	138
1T9122EL	138
1T9123DA	139
1T9123EL	139
1T9124DA	139
1T9124EL	139
1T9125DA	139
1T9125EL	139
1T9126DA	139
1T9126EL	139
1T9127DA	139
1T9127EL	139
1T9128DA	139
1T9128EL	139
1T9129DA	139
1T9129EL	139
1T9130DA	139
1T9130EL	139
1T9131DA	139
1T9131EL	139
1T9132DA	139
1T9132EL	139
1T9133DA	139
1T9133EL	139
1T9134DA	139
1T9134EL	139
1T9135DA	139
1T9135EL	139
1T9136DA	139
1T9136EL	139
1T9137DA	139
1T9137EL	139
1T9138DA	140
1T9138EL	140
1T9139DA	139
1T9139EL	139
1T9140DA	139
1T9140EL	139
1T9141DA	140
1T9141EL	140
1T9142DA	139
1T9142EL	139
1T9143DA	139
1T9143EL	139
1T9144DA	140
1T9144EL	140
1T9145DA	139
1T9145EL	139
1T9146DA	139
1T9146EL	139
1T9147DA	140
1T9147EL	140
1T9148DA	138
1T9148EL	138

COD.	PAG.
1T9149DA	138
1T9149EL	138
1T9150DA	138
1T9150EL	138
1T9151DA	138
1T9151EL	138
1T9152DA	138
1T9152EL	138
1T9153DA	138
1T9153EL	138
1T9154DA	138
1T9154EL	138
1T9155DA	138
1T9155EL	138
1T9156DA	138
1T9156EL	138
1T9157DA	138
1T9157EL	138
1T9158DA	138
1T9158EL	138
1T9159DA	138
1T9159EL	138
1T9160DA	138
1T9160EL	138
1T9161DA	138
1T9161EL	138
1T9162DA	139
1T9162EL	139
1T9163DA	138
1T9163EL	138
1T9164DA	138
1T9164EL	138
1T9165DA	139
1T9165EL	139
1T9166DA	138
1T9166EL	138
1T9167DA	138
1T9167EL	138
1T9168DA	139
1T9168EL	139
1T9169DA	138
1T9169EL	138
1T9170DA	138
1T9170EL	138
1T9171DA	139
1T9171EL	139
1T9172DA	139
1T9172EL	139
1T9173DA	139
1T9173EL	139
1T9174DA	139
1T9174EL	139
1T9175DA	139
1T9175EL	139
1T9176DA	139
1T9176EL	139
1T9177DA	139
1T9177EL	139
1T9178DA	139
1T9178EL	139
1T9179DA	139
1T9179EL	139
1T9180DA	139
1T9180EL	139
1T9181DA	139
1T9181EL	139
1T9182DA	139
1T9182EL	139
1T9183DA	139
1T9183EL	139
1T9184DA	139
1T9184EL	139
1T9185DA	139
1T9185EL	139
1T9186DA	140
1T9186EL	140
1T9187DA	139
1T9187EL	139
1T9188DA	139
1T9188EL	139
1T9189DA	140
1T9189EL	140
1T9190DA	139
1T9190EL	139
1T9191DA	139
1T9191EL	139
1T9192DA	140
1T9192EL	140
1T9193DA	139
1T9193EL	139
1T9194DA	139
1T9194EL	139
1T9195DA	140
1T9195EL	140
1T9196DA	142
1T9196EL	142
1T9197DA	142
1T9197EL	142
1T9198DA	142
1T9198EL	142
1T9199DA	142
1T9199EL	142
1T9200DA	142
1T9200EL	142
1T9201DA	142
1T9201EL	142
1T9202DA	142
1T9202EL	142
1T9203DA	142
1T9203EL	142
1T9204DA	142
1T9204EL	142
1T9205DA	142
1T9205EL	142
1T9206DA	142
1T9206EL	142
1T9207DA	142
1T9207EL	142
1T9208DA	142
1T9208EL	142
1T9209DA	142
1T9209EL	142
1T9210DA	142
1T9210EL	142
1T9211DA	142
1T9211EL	142
1T9212DA	142
1T9212EL	142
1T9213DA	142
1T9213EL	142
1T9214DA	142
1T9214EL	142
1T9215DA	142
1T9215EL	142
1T9216DA	143
1T9216EL	143
1T9217DA	143
1T9217EL	143
1T9218DA	143
1T9218EL	143
1T9219DA	143
1T9219EL	143
1T9220DA	143
1T9220EL	143
1T9221DA	143
1T9221EL	143
1T9222DA	143
1T9222EL	143
1T9223DA	143
1T9223EL	143
1T9224DA	143
1T9224EL	143
1T9225DA	143
1T9225EL	143
1T9226DA	143
1T9226EL	143
1T9227DA	143
1T9227EL	143
1T9228DA	143
1T9228EL	143
1T9229DA	143
1T9229EL	143
1T9230DA	143
1T9230EL	143
1T9231DA	143
1T9231EL	143
1T9232DA	143
1T9232EL	143
1T9233DA	143
1T9233EL	143
1T9234DA	143
1T9234EL	143
1T9235DA	143
1T9235EL	143
1T9236DA	143
1T9236EL	143
1T9237DA	144
1T9237EL	144
1T9238DA	143
1T9238EL	143
1T9239DA	144
1T9239EL	144
1T9240DA	143
1T9240EL	143
1T9241DA	144
1T9241EL	144
1T9242DA	143
1T9242EL	143
1T9243DA	144
1T9243EL	144
1T9244DA	144
1T9244EL	144
1T9245DA	144
1T9245EL	144
1T9246DA	144
1T9246EL	144
1T9247DA	144
1T9247EL	144
1T9248DA	144
1T9248EL	144
1T9249DA	144
1T9249EL	144
1T9250DA	144
1T9250EL	144
1T9251DA	144
1T9251EL	144
1T9252DA	142
1T9252EL	142
1T9253DA	142
1T9253EL	142
1T9254DA	142
1T9254EL	142
1T9255DA	142
1T9255EL	142
1T9256DA	142
1T9256EL	142
1T9257DA	142
1T9257EL	142
1T9258DA	142
1T9258EL	142
1T9259DA	142
1T9259EL	142
1T9260DA	142
1T9260EL	142
1T9261DA	142
1T9261EL	142
1T9262DA	142
1T9262EL	142
1T9263DA	142
1T9263EL	142
1T9264DA	142
1T9264EL	142
1T9265DA	142
1T9265EL	142
1T9266DA	142
1T9266EL	142
1T9267DA	142
1T9267EL	142
1T9268DA	142
1T9268EL	142
1T9269DA	142
1T9269EL	142
1T9270DA	142

COD.	PAG.
1T9270EL	142
1T9271DA	142
1T9271EL	142
1T9272DA	143
1T9272EL	143
1T9273DA	143
1T9273EL	143
1T9274DA	143
1T9274EL	143
1T9275DA	143
1T9275EL	143
1T9276DA	143
1T9276EL	143
1T9277DA	143
1T9277EL	143
1T9278DA	143
1T9278EL	143
1T9279DA	143
1T9279EL	143
1T9280DA	143
1T9280EL	143
1T9281DA	143
1T9281EL	143
1T9282DA	143
1T9282EL	143
1T9283DA	143
1T9283EL	143
1T9284DA	143
1T9284EL	143
1T9285DA	143
1T9285EL	143
1T9286DA	143
1T9286EL	143
1T9287DA	143
1T9287EL	143
1T9288DA	143
1T9288EL	143
1T9289DA	143
1T9289EL	143
1T9290DA	143
1T9290EL	143
1T9291DA	143
1T9291EL	143
1T9292DA	143
1T9292EL	143
1T9293DA	144
1T9293EL	144
1T9294DA	143
1T9294EL	143
1T9295DA	144
1T9295EL	144
1T9296DA	143
1T9296EL	143
1T9297DA	144
1T9297EL	144
1T9298DA	143
1T9298EL	143
1T9299DA	144
1T9299EL	144
1T9300DA	144
1T9300EL	144
1T9301DA	144
1T9301EL	144
1T9302DA	144
1T9302EL	144
1T9303DA	144
1T9303EL	144
1T9304DA	144
1T9304EL	144
1T9305DA	144
1T9305EL	144
1T9306DA	144
1T9306EL	144
1T9307DA	144
1T9307EL	144
1T9308DA	148
1T9308EL	148
1T9309DA	148
1T9309EL	148
1T9310DA	148
1T9310EL	148
1T9311DA	148
1T9311EL	148
1T9312DA	148
1T9312EL	148
1T9313DA	148
1T9313EL	148
1T9314DA	148
1T9314EL	148
1T9315DA	148
1T9315EL	148
1T9316DA	148
1T9316EL	148
1T9317DA	148
1T9317EL	148
1T9318DA	148
1T9318EL	148
1T9319DA	148
1T9319EL	148
1T9320DA	148
1T9320EL	148
1T9321DA	148
1T9321EL	148
1T9322DA	148
1T9322EL	148
1T9323DA	148
1T9323EL	148
1T9324DA	148
1T9324EL	148
1T9325DA	149
1T9325EL	149
1T9326DA	148
1T9326EL	148
1T9327DA	149
1T9327EL	149
1T9328DA	148
1T9328EL	148
1T9329DA	149
1T9329EL	149
1T9330DA	148
1T9330EL	148
1T9331DA	149
1T9331EL	149
1T9332DA	149
1T9332EL	149
1T9333DA	149
1T9333EL	149
1T9334DA	149
1T9334EL	149
1T9335DA	149
1T9335EL	149
1T9336DA	149
1T9336EL	149
1T9337DA	149
1T9337EL	149
1T9338DA	149
1T9338EL	149
1T9339DA	149
1T9339EL	149
1T9340DA	149
1T9340EL	149
1T9341DA	149
1T9341EL	149
1T9342DA	149
1T9342EL	149
1T9343DA	149
1T9343EL	149
1T9344DA	149
1T9344EL	149
1T9345DA	149
1T9345EL	149
1T9346DA	149
1T9346EL	149
1T9347DA	149
1T9347EL	149
1T9348DA	149
1T9348EL	149
1T9349DA	150
1T9349EL	150
1T9350DA	149
1T9350EL	149
1T9351DA	150
1T9351EL	150
1T9352DA	149
1T9352EL	149
1T9353DA	150
1T9353EL	150
1T9354DA	149
1T9354EL	149
1T9355DA	150
1T9355EL	150
1T9356DA	148
1T9356EL	148
1T9357DA	148
1T9357EL	148
1T9358DA	148
1T9358EL	148
1T9359DA	148
1T9359EL	148
1T9360DA	148
1T9360EL	148
1T9361DA	148
1T9361EL	148
1T9362DA	148
1T9362EL	148
1T9363DA	148
1T9363EL	148
1T9364DA	148
1T9364EL	148
1T9365DA	148
1T9365EL	148
1T9366DA	148
1T9366EL	148
1T9367DA	148
1T9367EL	148
1T9368DA	148
1T9368EL	148
1T9369DA	148
1T9369EL	148
1T9370DA	148
1T9370EL	148
1T9371DA	148
1T9371EL	148
1T9372DA	148
1T9372EL	148
1T9373DA	149
1T9373EL	149
1T9374DA	148
1T9374EL	148
1T9375DA	149
1T9375EL	149
1T9376DA	148
1T9376EL	148
1T9377DA	149
1T9377EL	149
1T9378DA	148
1T9378EL	148
1T9379DA	149
1T9379EL	149
1T9380DA	149
1T9380EL	149
1T9381DA	149
1T9381EL	149
1T9382DA	149
1T9382EL	149
1T9383DA	149
1T9383EL	149
1T9384DA	149
1T9384EL	149
1T9385DA	149
1T9385EL	149
1T9386DA	149
1T9386EL	149
1T9387DA	149
1T9387EL	149
1T9388DA	149
1T9388EL	149
1T9389DA	149
1T9389EL	149
1T9390DA	149
1T9390EL	149
1T9391DA	149
1T9391EL	149

COD.	PAG.
1T9392DA	149
1T9392EL	149
1T9393DA	149
1T9393EL	149
1T9394DA	149
1T9394EL	149
1T9395DA	149
1T9395EL	149
1T9396DA	149
1T9396EL	149
1T9397DA	150
1T9397EL	150
1T9398DA	149
1T9398EL	149
1T9399DA	150
1T9399EL	150
1T9400DA	149
1T9400EL	149
1T9401DA	150
1T9401EL	150
1T9402DA	149
1T9402EL	149
1T9403DA	150
1T9403EL	150
1T9404DA	151
1T9404EL	151
1T9405DA	151
1T9405EL	151
1T9406DA	151
1T9406EL	151
1T9407DA	151
1T9407EL	151
1T9408DA	151
1T9408EL	151
1T9409DA	151
1T9409EL	151
1T9410DA	151
1T9410EL	151
1T9411DA	151
1T9411EL	151
1T9412DA	151
1T9412EL	151
1T9413DA	151
1T9413EL	151
1T9414DA	151
1T9414EL	151
1T9415DA	151
1T9415EL	151
1T9416DA	151
1T9416EL	151
1T9417DA	151
1T9417EL	151
1T9418DA	151
1T9418EL	151
1T9419DA	151
1T9419EL	151
1T9420DA	151
1T9420EL	151
1T9421DA	152
1T9421EL	152
1T9422DA	151
1T9422EL	151
1T9423DA	152
1T9423EL	152
1T9424DA	151
1T9424EL	151
1T9425DA	152
1T9425EL	152
1T9426DA	151
1T9426EL	151
1T9427DA	152
1T9427EL	152
1T9428DA	152
1T9428EL	152
1T9429DA	152
1T9429EL	152
1T9430DA	152
1T9430EL	152
1T9431DA	152
1T9431EL	152
1T9432DA	152
1T9432EL	152
1T9433DA	152
1T9433EL	152
1T9434DA	152
1T9434EL	152
1T9435DA	152
1T9435EL	152
1T9436DA	152
1T9436EL	152
1T9437DA	152
1T9437EL	152
1T9438DA	152
1T9438EL	152
1T9439DA	152
1T9439EL	152
1T9440DA	152
1T9440EL	152
1T9441DA	152
1T9441EL	152
1T9442DA	152
1T9442EL	152
1T9443DA	152
1T9443EL	152
1T9444DA	152
1T9444EL	152
1T9445DA	153
1T9445EL	153
1T9446DA	152
1T9446EL	152
1T9447DA	153
1T9447EL	153
1T9448DA	152
1T9448EL	152
1T9449DA	153
1T9449EL	153
1T9450DA	152
1T9450EL	152
1T9451DA	153
1T9451EL	153
1T9452DA	151
1T9452EL	151
1T9453DA	151
1T9453EL	151
1T9454DA	151
1T9454EL	151
1T9455DA	151
1T9455EL	151
1T9456DA	151
1T9456EL	151
1T9457DA	151
1T9457EL	151
1T9458DA	151
1T9458EL	151
1T9459DA	151
1T9459EL	151
1T9460DA	151
1T9460EL	151
1T9461DA	151
1T9461EL	151
1T9462DA	151
1T9462EL	151
1T9463DA	151
1T9463EL	151
1T9464DA	151
1T9464EL	151
1T9465DA	151
1T9465EL	151
1T9466DA	151
1T9466EL	151
1T9467DA	151
1T9467EL	151
1T9468DA	151
1T9468EL	151
1T9469DA	152
1T9469EL	152
1T9470DA	151
1T9470EL	151
1T9471DA	152
1T9471EL	152
1T9472DA	151
1T9472EL	151
1T9473DA	152
1T9473EL	152
1T9474DA	151
1T9474EL	151
1T9475DA	152
1T9475EL	152
1T9476DA	152
1T9476EL	152
1T9477DA	152
1T9477EL	152
1T9478DA	152
1T9478EL	152
1T9479DA	152
1T9479EL	152
1T9480DA	152
1T9480EL	152
1T9481DA	152
1T9481EL	152
1T9482DA	152
1T9482EL	152
1T9483DA	152
1T9483EL	152
1T9484DA	152
1T9484EL	152
1T9485DA	152
1T9485EL	152
1T9486DA	152
1T9486EL	152
1T9487DA	152
1T9487EL	152
1T9488DA	152
1T9488EL	152
1T9489DA	152
1T9489EL	152
1T9490DA	152
1T9490EL	152
1T9491DA	152
1T9491EL	152
1T9492DA	152
1T9492EL	152
1T9493DA	153
1T9493EL	153
1T9494DA	152
1T9494EL	152
1T9495DA	153
1T9495EL	153
1T9496DA	152
1T9496EL	152
1T9497DA	153
1T9497EL	153
1T9498DA	152
1T9498EL	152
1T9499DA	153
1T9499EL	153
1T9500DA8	99
1T9501DA8	100
1T9503DA8	99
1T9504DA8	100
1T9506DA8	102
1T9507DA8	103
1T9509DA8	102
1T9510DA8	103
1T9512CA	319
1T9512DA	319
1T9512EL	319
1T9513DA	319
1T9513EL	319
1T9514CA	319
1T9514DA	319
1T9514EL	319
1T9519DA	501
1T9519EL	501
1T9520DA	501
1T9520EL	501
1T9521DA	501
1T9521EL	501
1T9522DA	501
1T9522EL	501
1T9523	354
1T9524	353
1T9525	353

COD.	PAG.
1T9526DD	352
1T9579	353
1T9580	353
1T9581	385
1T9582	385
1T9583	385
1T9584	385
1T9585DA	198
1T9586DA	198
1T9588	199
1T9589	198
1T9590	198
1T9592	354
1T9593	354
1T9594D	354
1T9595	373
1T9596	373
1T9597	373
1T9598	373
1T9599	373
1T9600	373
1T9601	373
1T9602	373
1T9603DD	352
1T9604DD	352
1T9605DD	352
1T9606	98, 101, 103, 105, 106, 112, 114, 115, 125, 128, 131, 132, 140, 144, 150, 153
1T9607	286
1T9608	286
1T9609	286
1T9610	286
1T9611	286
1T9612	286
1T9969CA	268
1T9970CA	268
1T9971CA	268
1T9972CA	268
1T9973CA	268
1T9974CA	268
1T9975CA	268
1T9976CA	268
1T9977CA	317
1T9978CA	317
1T9979CA	318
1T9980CA	318
1TD0001EL	250
1TD0002EL	250
1TD0003EL	250
1TD0004EL	250
1TD0005EL	250
1TD0006EL	250
1TD0007EL	250
1TD0008EL	250
1TD0017	251
1TD0018	251
1V7213	508
1V7213AB	508
1V7262	508
1V7263	508
1V7264	508
1V7344	509
1V7345	509
1V7523	508
1V7524	508
323404IP	539
323414IP	539
323424IP	540
323434IP	540
323494IP	539
323900	540
344540	527
374404IP	543
374414IP	543
374424IP	544
374604IP	543
9000-1/B-R	284
9000-1/G-R	284
9000-1/W-R	284
9000-2/B-R	284
9000-2/G-R	284
9000-2/W-R	284
9000-3/B-R	284
9000-3/G-R	284
9000-3/W-R	284
9000/BPU-D-B	258, 269, 275, 278, 515, 519, 523
9000/BPU-D-G	258, 269, 275, 278, 515, 519, 523
9000/BPU-D-W	258, 269, 275, 278, 515, 519, 523
9000/BRU-B	258, 269, 275, 279, 515, 519, 523
9000/BRU-G	258, 269, 275, 279, 515, 519, 523
9000/BRU-W	258, 269, 275, 279, 515, 519, 523
9000A-1/B-ST	283
9000A-1/G-ST	283
9000A-1/W-ST	283
9000A-2/B-ST	283
9000A-2/G-ST	283
9000A-2/W-ST	283
9000A-3/B-ST	283
9000A-3/G-ST	283
9000A-3/W-ST	283
9001/B	285
9001/G	285
9001/W	285
9002/B	285
9002/G	285
9002/W	285
9003/B	286
9003/G	286
9003/W	286
9004-R/B	285
9004-R/G	285
9004-R/W	285
9004/B	285
9004/G	285
9004/W	285
9009/B	288
9009/G	288
9009/W	288
9010/B	285
9010/G	285
9010/W	285
9011/B	287
9011/G	287
9011/W	287
9012/B	287
9012/G	287
9012/W	287
9013/B	287
9013/G	287
9013/W	287
9014/B	287
9014/G	287
9014/W	287
9015/B	287
9015/G	287
9015/W	287
9016/B	287
9016/G	287
9016/W	287
9017/B	287
9017/G	287
9017/W	287
9018/B	286
9018/G	286
9018/W	286
9500-1/B-ST3-E	384
9500-1/B-ST6-E	384
9500-1/B-TA1	384
9500-1/W2-ST3-E	384
9500-1/W2-ST6-E	384
9500-1/W2-TA1	384
9500-2/B-ST3-E	384
9500-2/B-ST6-E	384
9500-2/B-TA1	384
9500-2/W2-ST3-E	384
9500-2/W2-ST6-E	384
9500-2/W2-TA1	384
9500-3/B-ST3-E	384
9500-3/B-ST6-E	384
9500-3/B-TA1	384
9500-3/W2-ST3-E	384
9500-3/W2-ST6-E	384
9500-3/W2-TA1	384
9501-S/B-E	386
9501-S/W-E	386
9503-S/B-E	386
9503-S/W-E	386
9504/ST3-B	385
9504/ST3-W2	385
9504/ST6-B	385
9504/ST6-B-F	385
9504/ST6-W2	385
9504/ST6-W2-F	385
9511/B-E	386
9511/W-E	386
9518-S/B-E	386
9518-S/W-E	386
S-9000/111	285
S-9000/123	286
S-9000/GP-B	288
S-9000/GP-G	288
S-9000/GP-W	288
S-9000/M-B-KIT	288
S-9000/M-G-KIT	288
S-9000/M-W-KIT	288
S-9000/T	286, 387
S-9000KIT	285
S-9001-R/6-B	288
S-9001-R/6-G	288
S-9001-R/6-W	288
S-9001/115-B	286
S-9001/115-W	286
S-9010-R/6-B	288
S-9010-R/6-G	288
S-9010-R/6-W	288
S-9011-R/6-B	288
S-9011-R/6-G	288
S-9011-R/6-W	288
S-9013-R/6-B	288
S-9013-R/6-G	288
S-9013-R/6-W	288
S-9017-R/6-B	288
S-9017-R/6-G	288
S-9017-R/6-W	288
S-9500/114-B	385
S-9500/114-W2	385
S-9500/314-B	386
S-9500/314-W2	386
S-9511/B-ST6	386
S-9511/W2-ST6	386
T1585	584
T1586	584

Requisites and information

All fixtures of the Targetti collection have been designed and produced to comply with European Standard EN60598-1 relative to the safety requisite of light fixtures.

CE **DIRECTIVES EUROPEAN COUNCIL**

All fixtures comply with the following directives:

- EMC Directive 2014/30/EU
- LV Directive 2014/35/EU
- RoHS Directive 2011/65/EU

Unless specified otherwise

- all fixtures are supplied without lamps;
- all fixtures are sold separately;
- all measurements are expressed in millimeters;
- all fixtures at low voltage are supplied without transformer;
- For products in Class III performance is only guaranteed using the electronic power supplies and drivers indicated in the catalogue.

TARGETTI SANKEY SpA
Certificated ISO 9001 n° 9130. TAR1

The Enec mark, awarding of the ISO9001 certificate and the CE brand all guarantee that the activities carried out internally in the company are governed and controlled by procedures which assure constant level of quality.

Accredited laboratory in accordance with ISO 17025.

Consorzio ecolight

Targetti Sankey Spa is a member of the Ecolight consortium that was set up in 2004 (D.Lgs. 49/2014) to comply with the provisions of the European Directive that was adopted in Italy as the European Directive 2012/19/EU for WEEE on managing, recovering and treating waste electrical and electronic equipment, used batteries and accumulators in compliance with all applicable legislation.

The colors of the products illustrated are reproduced as faithfully as possible compatibly with the technical limitations of the printed medium. The company reserves the right to make changes to the production without notice. Reproduction of this catalogue or any part of it is prohibited. The products illustrated in this catalogue are covered by one or more Italian or international patents. The company will take legal action against any imitators.

Light beam apertures

from	to	beam	
5°	10°	Narrow Spot	**NSP**
11°	25°	Spot	**SP**
26°	40°	Flood	**FL**
41°	50°	Medium Wide Flood	**MWFL**
51°	70°	Wide Flood	**WFL**
71°	120°	Very Wide Flood	**VWFL**
		Wall Washer	**WW**
		Narrow Asymmetric	**N. ASYM**
		Asymmetric	**ASYM**

Icons legend

	Class I luminaire in which the protection against electrical shock is guaranteed by the connections of the conductive elements accessible to a protective conductor (earth connection).
	Luminaire in which the connection to a protective conductor (earth connection) guarantees the immunity to radio noises.
	Class II luminaire (double insulation), protected against the accidental contact with parts under tension from the user.
	Class III luminaire, suitable for connection to very low voltage circuits.
	Solid particle and liquid ingress protection degree.
	Protection degree - Recessed part . Protection degree - Exposed part.
	Impact protection degree.
	ENEC European Norms Electrical Certification.

Particular symbols

	Weight of the single fixture.
	Cable length.
	Walk-over.
	Driver-over safe.
	Fixtures that have parameters below the minimum visibility threshold PstLM=1 and SVM≤0.4 (IEC TR 61547-1 and IEC TR 63158).
DBS	Dynamic Beam Shaper optical technology with remote management of the beam opening.
	LED with Ra__ where not present in the catalogue, available on request.
	Different colour temperatures available on request.
	Custom finish of your choice from the Targetti Colours range and RAL indicated in the colour chart can be downloaded on line from the download section.
	Treatment carried out on request.
	Supplied on request with an integrated or remote 110-277Vac power supply as indicated for the standard model.
	LED version with a different “Tunable White” tone available on request.

Note

- Please contact us for on demand treatments and versions.
- The performances reported on the products refer to the use of the recommended drivers.

Targetti in the world

TARGETTI SANKEY S.p.A.
Via Pratese, 164
50145 Firenze - Italia
Phone +39 055 3791.1
Fax +39 055 3791.266
targetti@targetti.com
www.targetti.com

Customer Care
customer@targetti.com

Customer Service
technical@targetti.com

Lighting Consulting
project@targetti.com

China
Targetti Lighting (Beijing) Co. Ltd
Room 921 Unit 3 Guanghualu SOHO
1, n.22 Guanghua Road, Chaoyang
District, Beijing China 100020.
+86 10 65388956
teresa.yan@targetti.cn

France
3F Filippi Targetti France S.A.S.
2 Rue de la Renaissance,
92160 Antony
+33 (1) 44 29 09 09
contact@targetti.com

India
Targetti India
Teamwork building 18, 2nd floor
Chinnaswamy Mudaliar road
Tasker town
560051 Bangalore
+91 80 41120016
mob: +91 81 39870999
p.chaudhary@targetti.com

Other countries www.targetti.com

Italy
Targetti Sankey S.p.A.
Via Pratese, 164
Firenze 50145
mob: +39 340 3965589
s.galanti@targetti.com

Spain
3F Filippi Targetti Spain S.A.U.
Avda. de Roma, n°69,
Barcelona 08029
+34 93 474 61 71
targetti.es@targetti.com

U.A.E.
Targetti Sankey S.p.A. (BRANCH)
Dubai Airport Free Zone Authority
- Bldg.
6 West A - Office 732
Dubai P.O. Box 54744
+9714 609 1033
m.afsar@targetti.com

UK
Targetti Uk Limited
Coppergate House Unit 410
10 White's Row
E1 7NF London
+44 (0) 203 051 4650
m.allen@targetti.com

U.S.A.
Targetti Usa Inc.
750-A West 17th Street
Costa Mesa, CA 92627
+1 714 513 1991
targettiusa@targetti.com

Latin America
Targetti Latin America
Cra 2 Oeste # 5-262,
Edificio Av. Belalcazar, Apt. 901
Cali, Colombia
+57 3128 317174
l.valdrighi@targetti.com