

**troll**

LUXIONA

**IN  
OUT.**



## **CREATE SPACES...**

Our character is forged from the energy of light and imagination. Our strength is built on the excellence of ideas and design.

But the point of ideas is to bring them to fruition. Our challenge is to understand light, engage in dialogue with it, and take full advantage of its possibilities. At TROLL we view light as an added element of construction, and exploit its capacities to create atmospheres and sensations.

TROLL participates in the development of projects for premises of all kinds. This begins with initial advice, and continues through to its implementation and to ensuring the complete satisfaction of the end users of that space.

We want to understand the soul of each work, and we want the responsiveness of our design and manufacturing processes to guarantee the excellence of our products and the satisfaction of our customers.

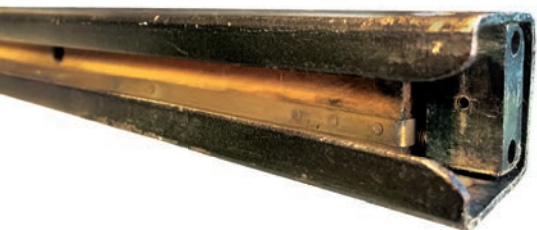
We want to enlighten your ideas and travel the path of creativity together. This will ultimately enlighten your ideas.



BANCO DE BILBAO

BANCO DE BILBAO

# troll



First track system  
(Patent registered in 1961)

## Since 1974... lighting your ideas

Our dedication to light has been a long and thrilling journey which, along with our clients, has awarded us a solid know-how, allowing us to create new ways to manage lighting in a space while thoroughly making use of its capacities.

We live our lives surrounded by inventions that we enjoy and naturally take as a given, ingenious ideas that make our lives easier.

Without a doubt, the electrified rail has been one of the biggest developments of the last century for the lighting industry. Its arrival a few years ago completely revolutionised the lighting industry, giving birth to technical lighting.

Troll is born from the development of the world's first electrified rail (1961) for electrical appliances. We are proud to have contributed to the light industry with a development that has undoubtedly become one of today's most employed solutions for light installations anywhere in the world.

Thanks to the success of the electrified rail, the company was invigorated by strong growth. Thanks to our previous innovation successes, we have acquired a solid know-how in the art of lighting and a well-established international prestige.

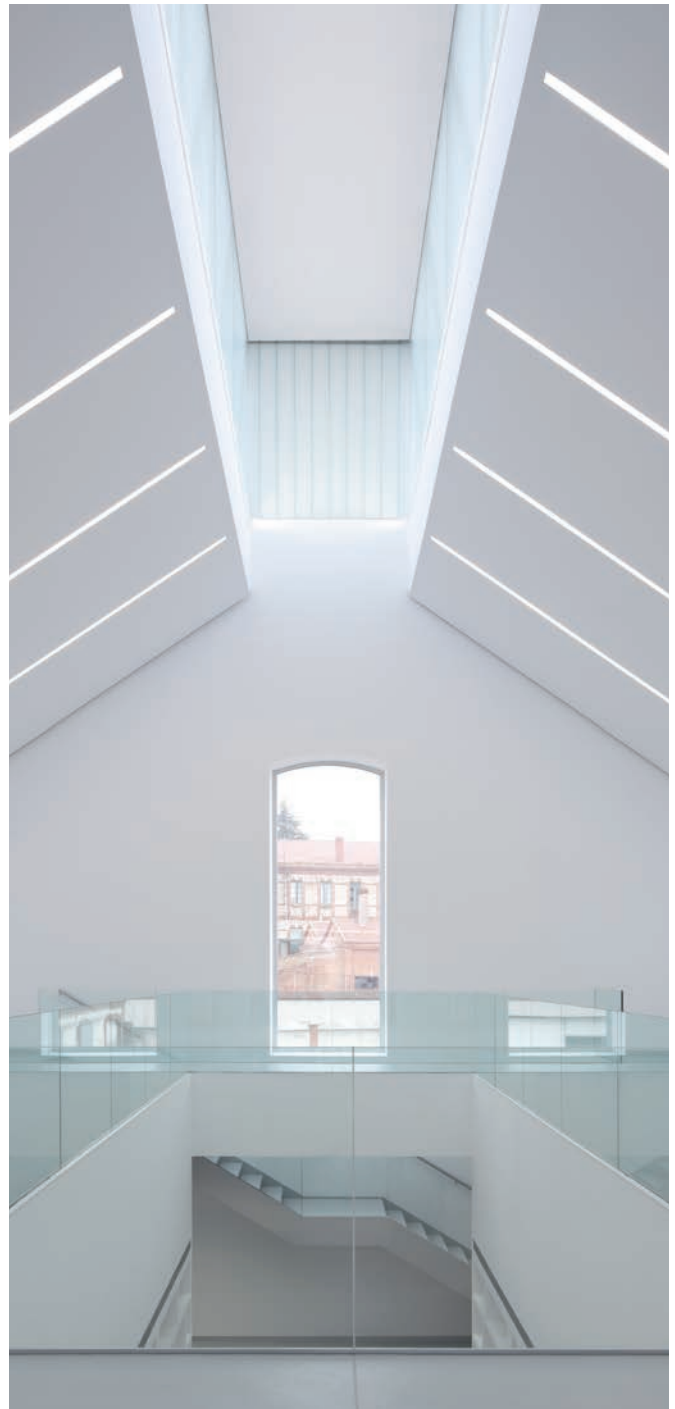
Troll is entering a phase of expansion which is making it a leader in the field of technical lighting today, with over 75 years of company history. At Troll we are committed towards the future, being proactive towards new trends and always maintaining the desire to continue innovating throughout our future.

How often have small ideas turned into great solutions?



## DESIGN

TROLL offers lighting concepts based on design, technology, quality, efficiency and competitiveness. Our R & D department investigates and develops new products and innovative lighting applications with the use of cutting-edge materials and production processes suited to the particular needs of each market. The brand relies on design professionals such as the French architect Jean Nouvel, who bring the benefit of their experience by projecting spaces and discovering unresolved needs. Its recognition of research and development of new concepts has repeatedly translated into prestigious awards such as Delta, IF and Design Plus.



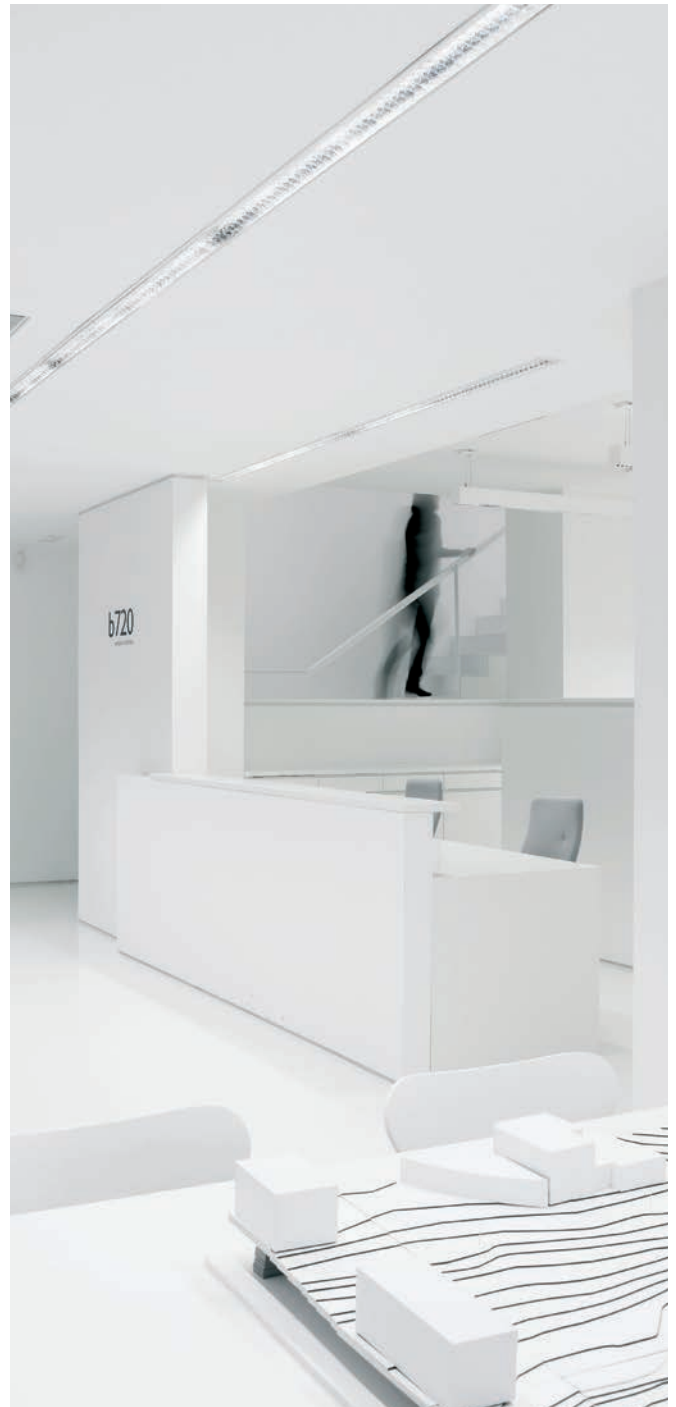
## QUALITY

The technological revolution offers opportunities to find new lighting applications. Recent digital solutions and the latest generation of LEDs provide significant benefits such as improved efficiency, increased light flow, improved colour rendering rates, longer service lives and many new options, creating a new paradigm for professional and domestic lighting applications. New technologies continue to advance. TROLL selects the most modern and most appropriate technology at all times and for each application, in order to design lighting concepts that guarantee the quality of TROLL products and the result of their applications.



### **TECHNOLOGY AND INNOVATION**













Knowledge and understanding of modern technologies on one hand, and of the requirements of projects on the other, allow TROLL to develop innovative products capable of responding to new lighting requirements as well as to existing needs that until now may have lacked a suitable lighting solution. TROLL is constantly undertaking research in order to propose new concepts and ways of applying light to help dress spaces and thereby offer innovative products intended for highly specialised segments (health & care, retail, hospitality, etc.), providing added value for users and opening new paths to help understand light and its application.



### **EFFICIENCY**

Energy efficiency is a maximum-priority criterion in all projects. TROLL constantly designs and innovates with the aim of reducing energy consumption via efficient products, without sacrificing light quality, in order to meet various lighting needs. Visual comfort and the desired light effects must be created with the minimum possible energy expenditure, maximising efficiency and implying the lowest possible maintenance costs in the future. This is achieved thanks to know-how that can be applied in a wide variety of applications, the study of the use of natural light, the use of the latest technology, the study of investment recovery and the implementation of lighting in each project.

**SPECIFICATIONS**

 Product made accordingly with European standards	 Safety distance
 Protection rating for solid bodies and liquids	 Class II
 Passes the 850° glow wire test	 Class III
 EU certification (Manufactured to EN 60.598 standard)	 AENOR certification
 Bluetooth	 Tuneable white
 RGB	 RGBW

The average lifetime of most LED products developed is 50,000 hours (value indicated on the datasheet of each product). This measurement is characterized by a B10L70, which means that 90% of the LED's installed will shine at more than 70% of the initial nominal flow.


















Example. A luminaire of 50 LED's with a lifetime of 50,000 hours B10L70 means that after 50,000 hours we guarantee that at least 45 of the LED's of this luminaire will be shining at more than 70% of their initial nominal flow.

 **CUSTOM LED**

 Fashion	 Bread and pastries
 Sausages	 Fruits and vegetables
 Meat	 Fish and seafood

Within our new LED range, we've introduced new lighting solutions designed to offer superior colour reproduction, aiming to highlight specific products: fashion, jewellery, meat, sausages, fruits and vegetables, bread and pastries, fish and shellfish.

**FINISHES**

 /01 Chrome	 /21 Grey (RAL 9006)	 /41 Nickel	 /93 Brilliant white
 /02 Gold	 /22 Anthracite	 /63 Ceramic white	 /92 Satin gold
 /04 Black	 /27 Grey	 /85 Copper	 /94 Brilliant black
 /20 Stainless steel	 /33 White (RAL 9010)	 /91 Satin nickel	 /204 Black
			 /221 Metallic grey

**CONTROL GEAR** The type of gear included may be shown by the following codes:

<b>EL</b>	Electronic control gear
<b>ELD</b>	Electronic dimmer control gear
<b>ELDD</b>	Electronic dimmer control gear DALI
<b>EE</b>	Electronic control gear with emergency
<b>EED</b>	Electronic dimmer control gear with emergency

HOW TO READ THE CODES

type of application

n° in range

name of range

common features

Suffixes of references which indicate the colour of the finish.  
The reference is composed of:  
example: 11.1523.9312 + .22 = 11.1523.9312.22


**IN**  
Spotlights

**1.2**

**Luxcan LENS**  
**Luxcan MINI**  
**Luxcan MULTI LENS**

Proyector monobloque constituido por cuerpo cilíndrico de aluminio extrusionado. Distintos acabados de pintura de gran calidad Axalta. Todo el cuerpo de la luminaria ejecuta la función de disipador, permitiendo integrar el equipo en su interior. Sistema de orientación con eje único, que permite el giro de 35° y 90° de inclinación. Sistema óptico constituido por lente de policarbonato, que define un haz perfecto, sin halos.  
LED y equipo incorporado





**Personalización LED**  
Posibilidad de incorporar nuevas fuentes de luz diseñadas para ofrecer una excelente reproducción de color para realizar los productos de segmentos muy específicos. Bajo demanda.




**common features**

Potencias
LED 25W
Ópticas
Spot: 12°, 24°, 36°
TT Color
3000K blanco cálido - CRI ≥ 90
4000K blanco neutro - CRI ≥ 90
Flujo nominal
25W - 2800 lm
Equipos
Electrónico (EL)
IP
IP20
Acabados
Negro [04]
Gris plata [27]
Gris antracita [22]
Blanco [63]
Cobalt [83]
Dorado [92]
Alimentación
220 - 240V, 50/60Hz
Instalación
Carril electrificado trifásico

**1.2 Luxcan**

Características:    

Acabados: 

Para completar la referencia de producto, añadir acabado

**LED y Equipo incorporado**

**type of lamp specific features**

25W
12°
carri <sup>3</sup>
2800 lm
3000 K <b>11.1523.9312</b>
4000 K <b>11.1523.9412</b>
25W
24°
carri <sup>3</sup>
2800 lm
3000 K <b>11.1523.9324</b>
4000 K <b>11.1523.9424</b>
25W
36°
carri <sup>3</sup>
2800 lm
3000 K <b>11.1523.9336</b>
4000 K <b>11.1523.9436</b>

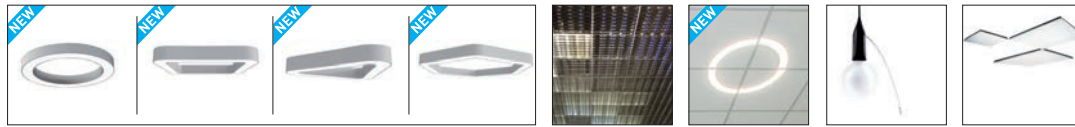
**Features integrated with the reference**

Measurements in this catalogue are given in millimetres.

Watts (W) and lumens (lm) are nominal.



## ARCHITECTURAL



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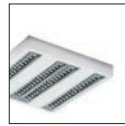
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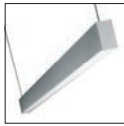


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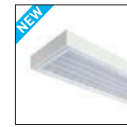
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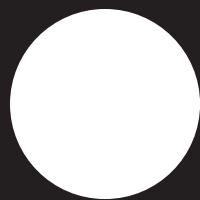
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# A

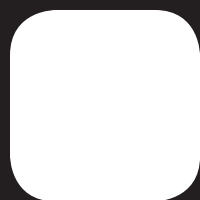
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Modern and architectural luminaire based on neutral shapes to simulate geometric figures and create modern designs with simple shapes. Especially designed for those rooms with high stylistic requirements.



Round



SQ



Three



Six





Modern and architectural circular luminaire that allows create modern and neutral designs. Artshape Round is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

#### Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



#### Power

LED 25W, 35W, 50W, 71W, 93W

#### Beam

110°, 115°

#### Colour temperature

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

25W - 3000 lm, 35W - 4500 lm, 93W - 12000 lm,  
50W - 6000 lm, 71W - 9000 lm

#### Control gear

Electronic (EL)

#### IP

IP40 - IK04

#### Finishes

White

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Hanging (1,5 m suspension included)  
Ceiling surface mounted on demand

Features



Finishes

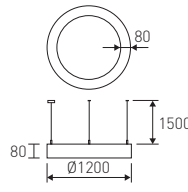
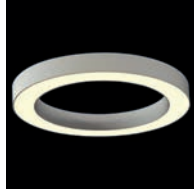


Versions:

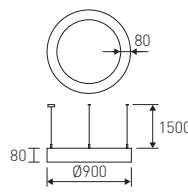
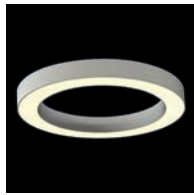
3000K versions on demand  
 DALI Dimmable versions on demand  
 Ceiling surface mounted versions on demand

Artshape Round LED

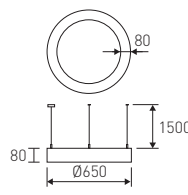
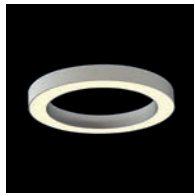
LED  
 110°  
 1,5 m suspension included  
 LED and control gear included



□	50W 110° control gear EL 6000 lm 4000K <b>AG0SRLPU60W219Z</b>	□	93W 110° control gear EL 12000 lm 4000K <b>AG0SRLPU120W219Z</b>
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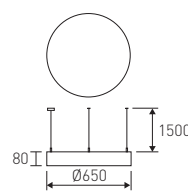


□	35W 110° control gear EL 4500 lm 4000K <b>AG0SRMPU45W219Z</b>	□	70W 110° control gear EL 9000 lm 4000K <b>AG0SRMPU90W219Z</b>
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□	25W 110° control gear EL 3000 lm 4000K <b>AG0SRSPU30W219Z</b>
---	---

LED  
 115°  
 1,5 m suspension included  
 LED and control gear included



□	71W 115° control gear EL 9000 lm 4000K <b>AG0SRSPU90W219Z</b>
---	---

Modern and architectural square luminaire that allows create modern and neutral designs. Artshape SQ is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

**Features**

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



**Power**

LED 32W, 50W, 65W, 93W, 123W

**Beam**

110°, 115°

**Nominal lumen output**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

32W - 4000 lm, 50W - 6000 lm, 123W - 16000 lm,  
65W - 8000 lm, 93W - 12000 lm

**Control gear**

Electronic (EL)

**IP**

IP40 - IK04

**Finishes**

White

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Hanging (1,5 m suspension included)  
Ceiling surface mounted on demand

Features



Finishes

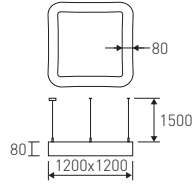


Versions:

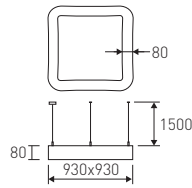
3000K versions on demand  
 DALI Dimmable versions on demand  
 Ceiling surface mounted versions on demand

Artshape SQ LED

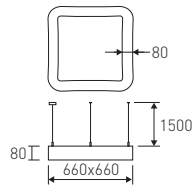
LED  
 110°  
 1,5 m suspension included  
 LED and control gear included



□	65W 110° control gear EL 8000 lm 4000K <b>AG0SFLPU80W219Z</b>	□	123W 110° control gear EL 16000 lm 4000K <b>AG0SFLPU160W219Z</b>
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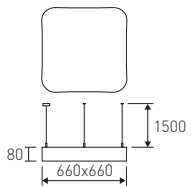


□	50W 110° control gear EL 6000 lm 4000K <b>AG0SFMPU60W219Z</b>	□	92W 110° control gear EL 12000 lm 4000K <b>AG0SFMPU120W219Z</b>
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□	32W 110° control gear EL 4000 lm 4000K <b>AG0SFSPU40W219Z</b>
---	---

LED  
 115°  
 1,5 m suspension included  
 LED and control gear included



□	93W 115° control gear EL 12000 lm 4000K <b>AG0SFSPE120W219Z</b>
---	---

Modern and architectural triangular luminaire that allows create modern and neutral designs. Artshape Three is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

#### Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



#### Power

LED 25W, 35W, 50W, 55W, 70W, 92W

#### Beam

110°, 115°

#### Nominal lumen output

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

25W - 3000 lm, 35W - 4500 lm, 70W - 9000 lm,  
50W - 6000 lm, 55W - 6000 lm, 92W - 12000 lm

#### Control gear

Electronic (EL)

#### IP

IP40 - IK04

#### Finishes

White

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Hanging (1,5 m suspension included)  
Ceiling surface mounted on demand

Features



Finishes



Versions:

3000K versions on demand  
 DALI Dimmable versions on demand  
 Ceiling surface mounted versions on demand

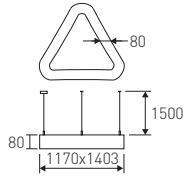
Artshape Three LED

LED



1,5 m suspension included

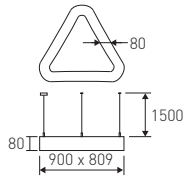
LED and control gear included



50W  
 110°  
 control gear EL  
 6000 lm  
 4000K **AG0STLPU60W219Z**



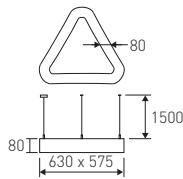
92W  
 110°  
 control gear EL  
 12000 lm  
 4000K **AG0STLPU120W219Z**



35W  
 110°  
 control gear EL  
 4500 lm  
 4000K **AG0STMPU45W219Z**



70W  
 110°  
 control gear EL  
 9000 lm  
 4000K **AG0STMPU90W219Z**



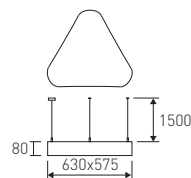
25W  
 110°  
 control gear EL  
 3000 lm  
 4000K **AG0STSPU30W219Z**

LED



1,5 m suspension included

LED and control gear included



55W  
 115°  
 control gear EL  
 6000 lm  
 4000K **AG0STSPE60W219Z**

Modern and architectural hexagonal luminaire that allows create modern and neutral designs. Artshape six is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

**Features**

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



**Power**

LED 25W, 35W, 50W, 70W, 93W

**Beam**

110°, 115°

**Nominal lumen output**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

25W - 3000 lm, 35W - 4500 lm, 93W - 12000 lm,  
50W - 6000 lm, 70W - 9000 lm

**Control gear**

Electronic (EL)

**IP**

IP40 - IK04

**Finishes**

White

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Hanging (1,5 m suspension included)  
Ceiling surface mounted on demand

Features



Finishes



Versions:

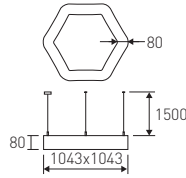
3000K versions on demand  
 DALI Dimmable versions on demand  
 Ceiling surface mounted versions on demand

Artshape Six LED



1,5 m suspension included

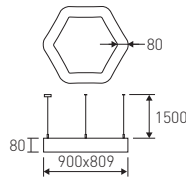
LED and control gear included



50W  
 110°  
 control gear EL  
 6000 lm  
 4000K **AG0SSLPU60W219Z**



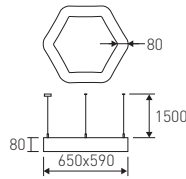
93W  
 110°  
 control gear EL  
 12000 lm  
 4000K **AG0SSLPU120W219Z**



35W  
 110°  
 control gear EL  
 4500 lm  
 4000K **AG0SSMPU45W219Z**



70W  
 110°  
 control gear EL  
 9000 lm  
 4000K **AG0SSMPU90W219Z**

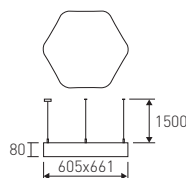


25W  
 110°  
 control gear EL  
 3000 lm  
 4000K **AG0SSSPU30W219Z**



1,5 m suspension included

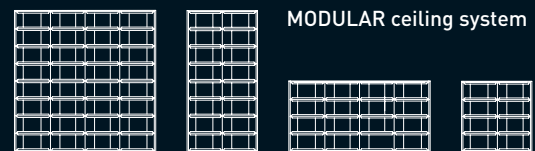
LED and control gear included



71W  
 115°  
 control gear EL  
 8400 lm  
 4000K **AG0SSSPE84W219Z**



Luxiona and Jean Nouvel have joined forces to create Paralum, an exclusive, innovative comprehensive ceiling and surround lighting system. Paralum is a new system of modular ceiling that includes the lighting system, a play of subtlety that shows the magic of reflections of light and shadow.



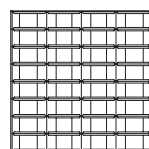


This lighting system is made up of a folding grating ceiling, which general and accent lighting modules can be placed into, as well as smoke detection, acoustics, air-conditioning and sprinkler modules, which have a built-in fire-fighting system. The French architect understands light as a building material that can create atmospheres and transmit emotions through its versatility.



## Modular ceiling system

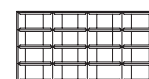
The main idea is to create a decorative false ceiling made of 600x600mm modulated specular aluminum louvers. Louvers can be 600x300, 300x600 and 300x300. Louvers are fixed with special profiles joined together by metal pieces and springs. The ceiling system allows you to create a real ceiling with lighting, air conditioning, sprinkler, fire alarm and smoke detectors.



600 x 600



300 x 600



600 x 300

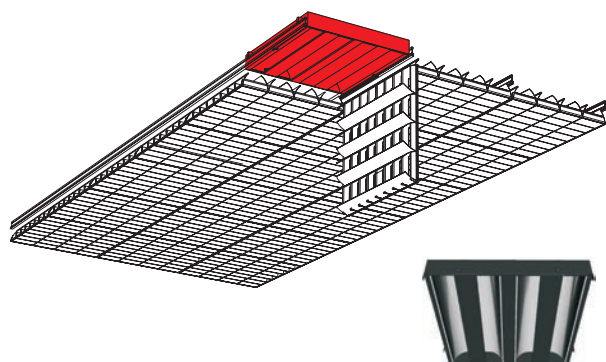


300 x 300

## PARALUM lighting modules

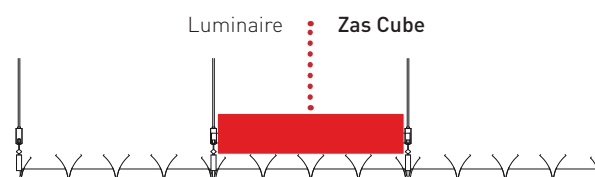
### General lighting modules

Luminaire of 2x24W T16 lamps. Made of stamped steel and aluminum, consists of a main black pressed steel frame. Two Optical system for each lamp. No direct light emission. All other support components are made of pressed steel plate painted in black. There are two versions of luminaire: adjustable DALI and DALI + emergency. The luminaire is installed on the roof PARALUM placing it, at the top of the roof.



### Accent lighting modules

Made of black stamped steel. Zas Cube is installed on the PARALUM ceiling. Maximum of 4 luminaires per module.



## PARALUM modules

### PARALUM air conditioning modules

Made of specular aluminum has the same dimensions as the basic grid 600x600 mm. It has the same appearance but at the top is designed to facilitate the exit of the air conditioning. The diffuser plenum is at the top. The diffuser and plenum is not included.

### PARALUM Support for Sprinkler and smoke detectors modules

Made of stamped steel and painted black. The modules support sprinkler and smoke detector installed in the ceiling PARALUM placing them at the top inside of the roof, supporting them in the profiles and fixed with screws.

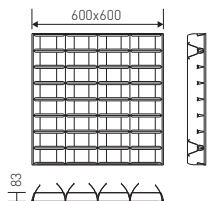
### PARALUM Support for emergency lighting modules

Black Stamped Steel support for emergency. Installed on the top of the PARALUM ceiling. There are two versions depending on whether you want to install the banner profiles, longitudinally or transversally clip-in.

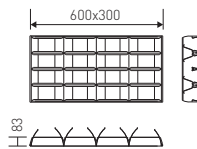
Features



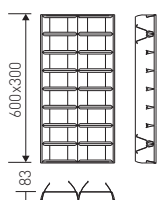
Louvers



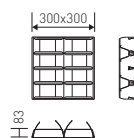
Specular aluminium  
4x8 grid  
**CL1/0101/34**



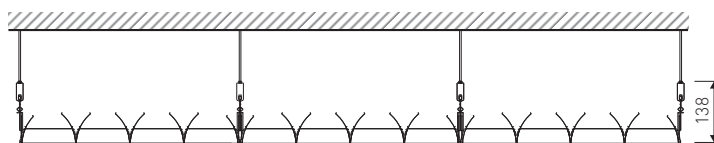
Specular aluminium  
4x4 grid  
**CL1/0102/34**



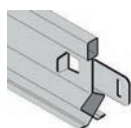
Specular aluminium  
2x8 grid  
**CL1/0103/34**



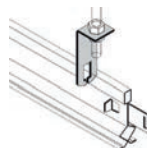
Specular aluminium  
2x4 grid  
**CL1/0106/34**



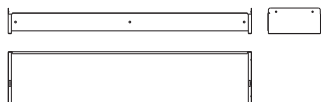
Jonit elements



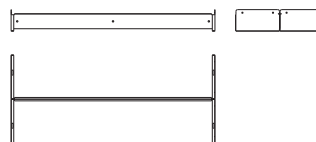
Profile  
L= 3600mm  
Galvanized steel  
15 pieces / box  
**3100713600**



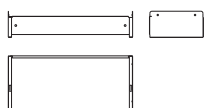
Suspension  
ROD M6 L = 1 M  
Includes nut M6  
Galvanized steel  
**11PAR/512**



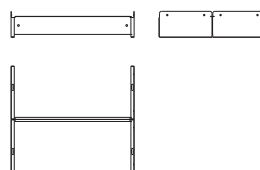
Simple support 600  
Galvanized steel  
**CL1/0201/00**



Double support 600  
Galvanized steel  
**CL1/0202/00**



Simple support 300  
Galvanized steel  
**CL1/0204/00**



Double support 300  
Galvanized steel  
**CL1/0205/00**

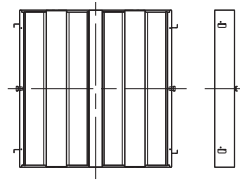


Clamp mounting  
Galvanized steel  
**CL1/0203/00**

Features



General lighting modules



LED 36W 4800lm  
indirect light  
control gear ELD  
3000K **CL1/0306/04**  
4000K **CL1/0307/04**



**CL1/ 0308/20** - Perfiled al 550mm IP20 RGB OPAL 8W + reflector  
**CL1/ 0309/20** - Perfiled al 1150mm IP20 RGB OPAL 15W + reflector

Paralum colour effects modules

Perfiled bracket for Paralum installation - RGB (2 un)  
**CL1/0408/04**

Adjustable joint-ball - Perfiled RGB  
**CL1/0410/04**

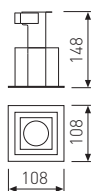
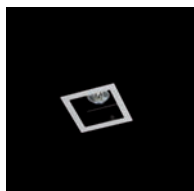
Single-spacer bracket for installation 8w Perfiled perpendicular to support profiles  
**CL1/0409/04**

Double-spacer bracket for installation 8w Perfiled perpendicular to support profiles  
**CL1/0411/04**

Accent lighting modules

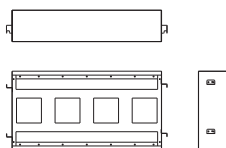


GU10



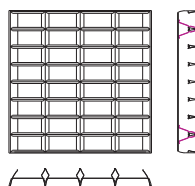
■  
máx. 50W  
**11.0452.0001.21**

For lamp LED

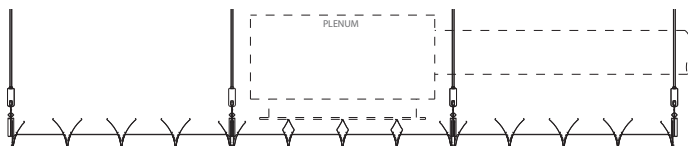


Paralum installation accessory for Zas Cube  
Steel plate  
**CL1/0303/04**

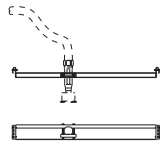
Air conditioning modules



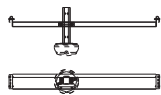
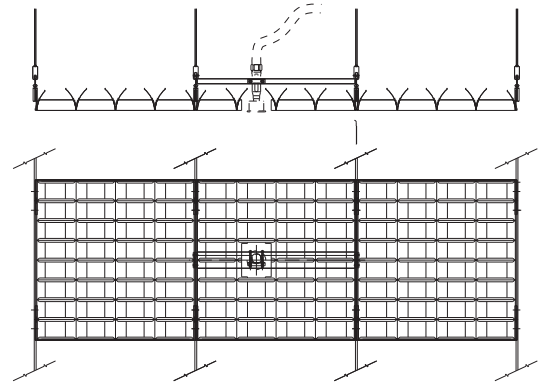
Air grille conditioning  
Specular aluminium  
**CL1/0305/34**



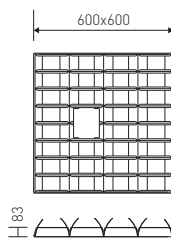
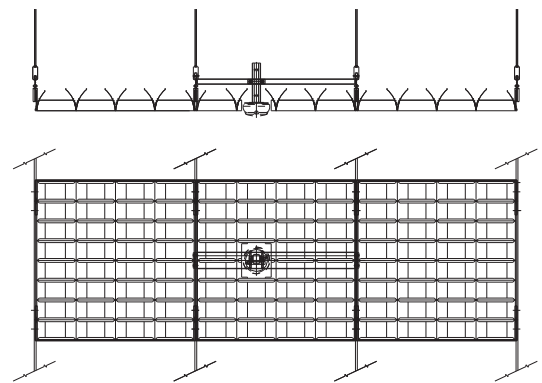
Smoke and Sprinkler detectors modules



Sprinkler  
not included  
**CL1/0401/04**

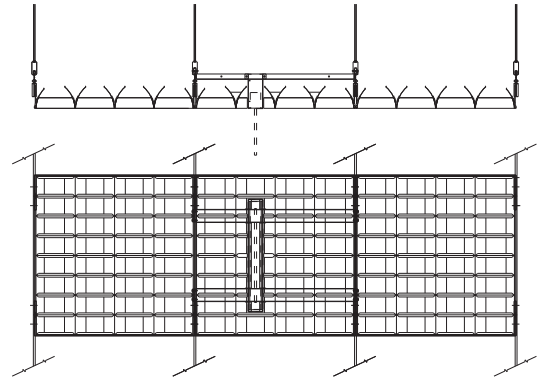
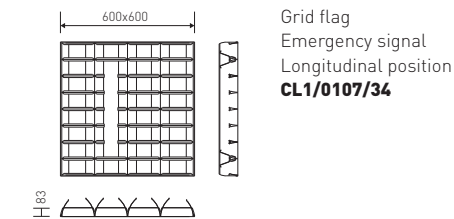
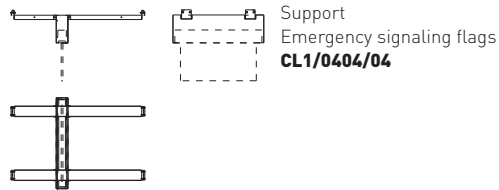


Smoke detectors  
not included  
**CL1/0402/04**

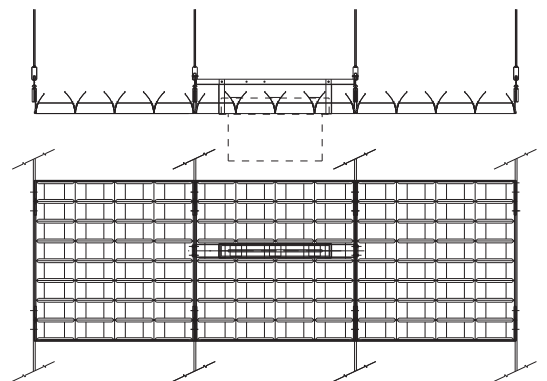
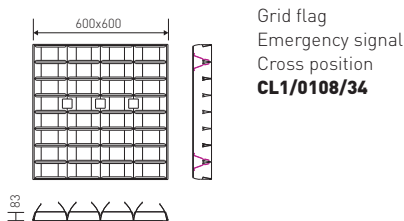
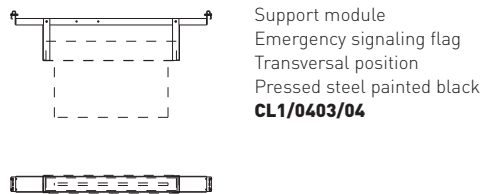


Sprinkler grille and  
smoke detector  
**CL1/0104/34**

**Emergency lighting modules (longitudinally)**



**Emergency lighting modules (transversally)**



**PARALUM module side panel cladding**

- CL1/0209/04** STRAIGHT End cap 300 mm
- CL1/0206/04** STRAIGHT End cap 600 mm
- CL1/0210/04** STRAIGHT End cap 1200 mm

- CL1/0217/04** End cap 300 mm EXTERIOR MITRE JOINT
- CL1/0207/04** End cap 600 mm EXTERIOR MITRE JOINT

- CL1/0215/04** End cap 300 mm INTERIOR MITRE JOINT
- CL1/0214/04** End cap 600 mm INTERIOR MITRE JOINT

- CL1/0211/04** End cap 300 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT
- CL1/0212/04** End cap 600 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT

- CL1/0218/04** End cap 300 mm DOUBLE INTERIOR MITRE JOINT
- CL1/0208/04** End cap 600 mm DOUBLE INTERIOR MITRE JOINT

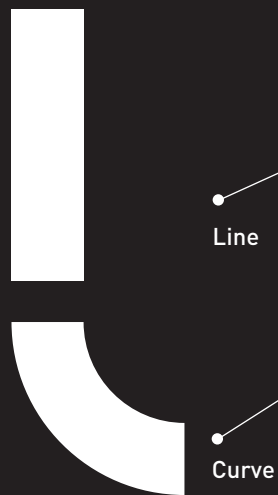
- CL1/0216/04** End cap 300 mm DOUBLE EXTERIOR MITRE JOINT
- CL1/0213/04** End cap 600 mm DOUBLE EXTERIOR MITRE JOINT







Architectural and stylistic concept to create light patterns on modular ceilings that allow to escape of monotony, Mosaic offers a good system for general light that combines functionality of lighting and a unique aesthetic due to the possibility of using colour diffusers or LED.





C

D

Designed system for modular ceilings based on 2 elements: a curved one and a linear. The combination of these two elements provides unlimited possibilities of lighting layouts inside. The location of the segments can be modified at any time through the specific rotation of the ceiling panels. Due to the possibility of using colour diffusers or RGB LED strips it is possible to obtain some additional colour effects. The LED system can be easily dimmed providing additional energy savings.

**Power**

LED 8W, 13W

**Nominal lumen output**4000K neutral white - CRI  $\geq$  80**Nominal lumen output**

Line 8W - 1300 lm, 13W - 2200 lm

Curve 8W - 1100 lm, 13W - 1800 lm

**Control gear**

Not included. See accessories

**IP**

IP20 - IK04

**Finishes**

White

**Supply voltage**

220... 240V, 50/60Hz

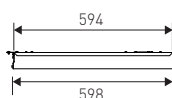
**Installation**

Recessed on modular ceilings

Features



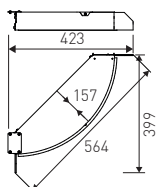
Finishes



□  
8W/13W  
control gear EL  
1300 lm / 2200 lm  
4000K **AG00SMEPL2213APLX**

□  
8W/13W  
control gear ELDD  
1300 lm / 2200 lm  
4000K **AG00SMEPL2213APLXD**

LED included



□  
8W/13W  
control gear EL  
1100 lm / 1800 lm  
4000K **AG00SMELL1811APLX**

□  
8W/13W  
control gear ELDD  
1300 lm / 1800 lm  
4000K **AG00SMELL1811APLXD**

LED included

Accessories

Control gear

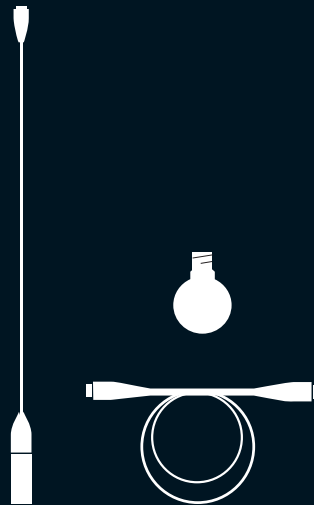
EL 8W  
EL 13W  
ELDD 8W  
ELDD 13W

**AG00SME-ZEA1**  
**AG00SME-ZEB1**  
**AG00SME-ZDA1**  
**AG00SME-ZDB1**

Cutting templates

Line 8W  
Curve 13W

**AG00SMPZ300-SZ**  
**AG00SLR300-SZ**



Araña is a project born from the collaboration between Jean Nouvel and TROLL. Araña gives total freedom for each client to become the creator of his or her own style.





The idea is to be able to place the lighting system wherever desired, with the final design depending on the creativity of each person.

Araña is an adventurous lighting solution, which challenges the individual's creativity and imagination to create their own style with total freedom... a style of lighting with total freedom.



Atelier Jean Nouvel, France

**Power**

E27 max.70W - incandescent or LED

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

White (33)

Black (04)

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Ceiling

**Accessories**

Fixing

**Box**

Connection element, easily-installed on the ceiling and allowing up to 10 luminaires to be simultaneously connected depending on lighting and aesthetic requirements.

**Elements of box connection**

The necessary connection elements are not supplied with the connection box, as these will depend on the number of luminaires to be used. Therefore, the box should be prepared prior to installation with the necessary connection elements (reference 23/5200).

- Once the box is prepared, it is mounted on the ceiling by means of fixing points.

**Luminaires**

Suspended luminaires by cables joined to the connection box which allow the point of light to be placed at the desired position, height and intensity.

- The system has several types of luminaires: simple; with dimmer feature; with height regulator.
- Also available are fixing elements and expandable which make the system more flexible.
- E27 LED lamps with different shapes.

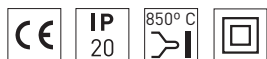
**Accessories**

Fixing points to suspend and place the luminaire where desired.

- Elements which allow for luminaire to be extended to area to be lit. Cable length 1.5 metres.
- Finish: White, black



Features

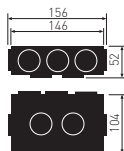


Finish



To complete the product reference, add finish

Box



10 covers per box are included  
**20/5200**

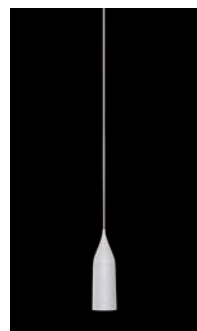
Connector  
**23/5200**

Surface base for single Araña installation. (connector included)  
**23/5200B**



Luiminaires

LED E27



Suspended luminaire  
E27 max.70W  
**5200**

Suspended dimmer luminaire  
E27 max.70W  
**5200D**

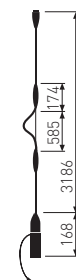


LED E27

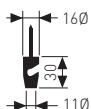


Suspended luminaire with height regulation  
E27 max.70  
**5200/P**

Suspended dimmer luminaire with height regulation  
E27 max.70W  
**5200D/P**



Accessories



Fixing point  
**21/5200**  
Each unit comprises 5 pieces

Extension element  
**22/5200**



Lamps E27 (dimmable)

LED



6W  
2700K **LM/G8006922/D**



8W  
2700K **LM/G12508922/D**



8W  
2700K **LM/ST5808922/D**



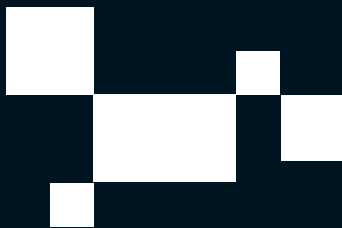
Nu Clinic, Spain





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Flying Surface is project that arose as a result of the design collaboration between Jean Nouvel and TROLL. The point that architecture and design have in common is that both exist to fulfil a need, and this is what differentiates them from other forms of Art.







Flying Surface arises from the idea of creating light surfaces to simulate the feeling they are floating in the space. The final result is spectacular. Flying Surface provides a high degree of uniformity of light to create a unique aesthetic for the illuminated area and allows the light visually to play with its forms and its architectural purity.

#### Features

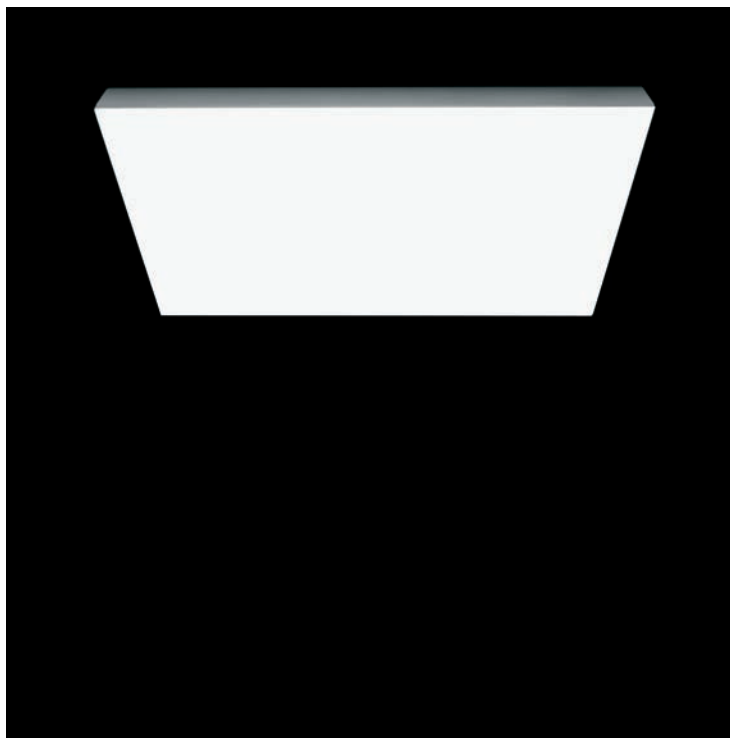
Steel sheet chassis painted in a white colour. Internal high-pressure laminate treatment. White textile outer diffuser with polymer base.

#### Fitting

Surface installation, directly to ceiling or wall.

May be installed on exposed tee ceilings using accessory 47/02/33.

Suspended installation via height-adjustable steel cable using accessory 47/01/33.



Fendi Foundation Rome  
Picture from Filippo Francescangeli

#### Power

LED 9,9W, 54W, 216W, 327W

#### Beam

106°

#### Colour temperature

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

#### Nominal lumen output

9,9W - 880 lm, 54W - 5040 lm, 216W - 20160 lm, 327W - 30240 lm

#### Control gear

Electronic Dimmer DALI (ELDD)

#### IP

IP20

#### Finishes

White (33)

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Wall, Ceiling

#### Accessories

Suspension set

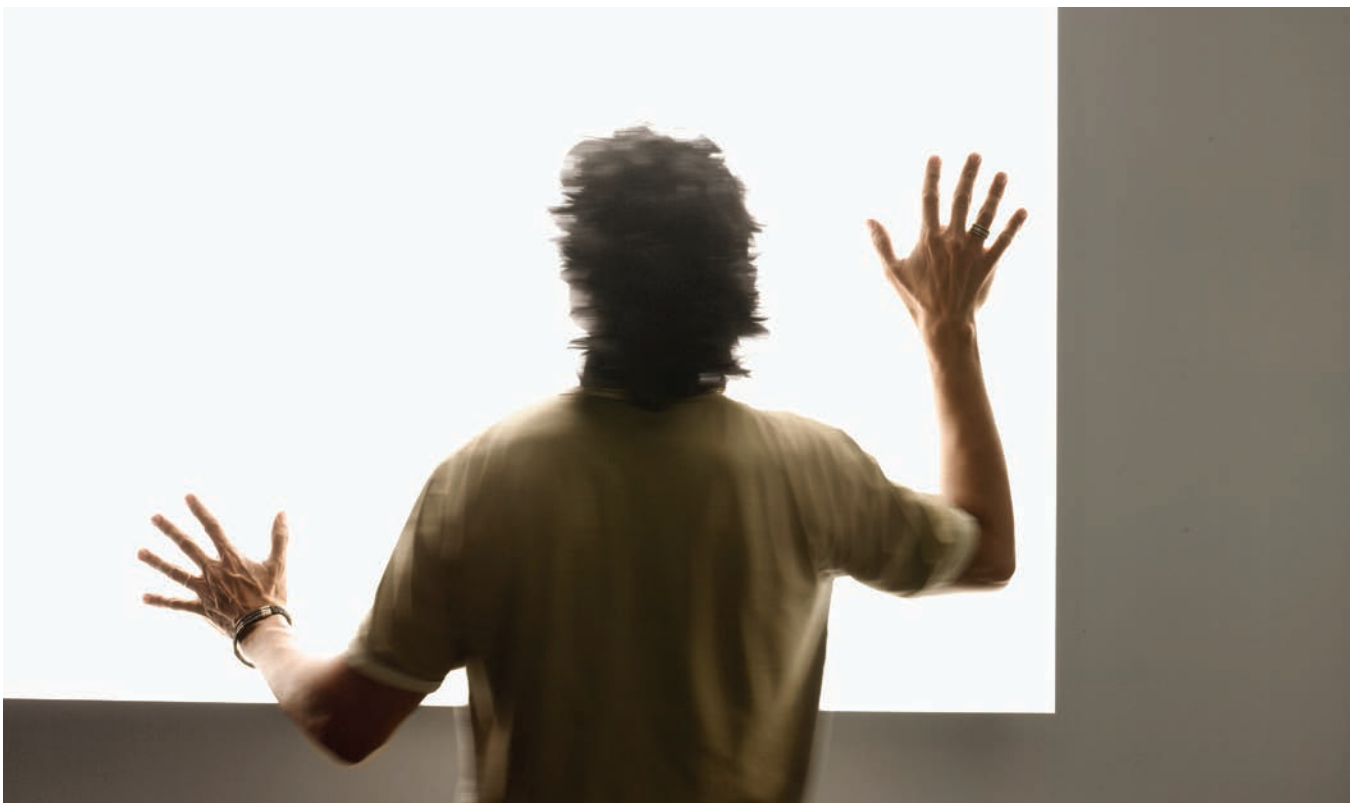
Alignment tracks to attach to modular ceilings

Flying Surface is a new project that basically deals with the essence of light. A new concept that highlights a plane of light near the plane of the wall. The size of the surface, or the geometry, makes the light become highly indeterminate, uncertain of where it ends and never revealing its true shape.

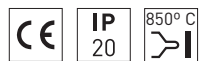
Made from a stretched fabric which becomes a floating surface radiating light when lit. When there is no light, it is a white fabric, as abstract as an artist's canvas waiting for the paint.

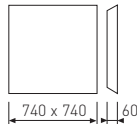


“ The most important thing is the nature of the item, its essence” *Jean Nouvel*



Features

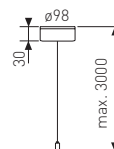


<p>LED</p> <p>106°</p> <p>LED and control gear included</p>		 <p>370 x 370</p>	<p>□</p> <p>9.9W 106° control-gear ELDD 880 lm 3000K <b>47/L0383DD/33</b> 4000K <b>47/L0384DD/33</b></p>
<p>106°</p> <p>LED and control gear included</p>		 <p>740 x 740</p>	<p>□</p> <p>54W 106° control-gear ELDD 5040 lm 3000K <b>47/L0783DD/33</b> 4000K <b>47/L0784DD/33</b></p>
<p>106°</p> <p>LED and control gear included</p>		 <p>1340 x 1340</p>	<p>□</p> <p>216W 106° control-gear ELDD 20160 lm 3000K <b>47/L1383DD/33</b> 4000K <b>47/L1384DD/33</b></p>
<p>106°</p> <p>LED and control gear included</p>		 <p>2000</p> <p>1340</p>	<p>□</p> <p>327W 106° control-gear ELDD 30240 lm 3000K <b>47/L2083DD/33</b> 4000K <b>47/L2084DD/33</b></p>

Suspension set



Suspension cable (max. 3 metres).  
Height regulating pieces in stainless steel and white fleuron.  
(4 units)  
**47/01/33**



Alignment tracks to attach to modular ceilings.  
(4 units)  
**47/02/33**



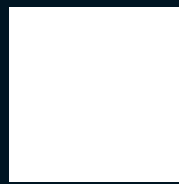
Fendi Foundation Rome - Picture from Filippo Francescangeli





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With the goal of evoking natural light, TROLL and Jean Nouvel present Palmera. Watching it, you feel as though you are under the very same palm tree, feeling absolute calm and a gentle breeze. It is poetry, just as light is in nature. According to Jean Nouvel, "it's an ideal lamp for taking a nap."







Palmera functions by rotating an inner cylinder, which projects various shapes on the walls, reminiscent of natural light breaking through the leaves of palm trees moved by a gentle breeze. The French architect discusses functional light, which can be transformed to transmit emotions.



**Power**

LED QT14 - G9 3,5W

**Colour temperature**

3000K warm white - CRI  $\geq$  80

**Nominal lumen output**

350 lm

**IP**

IP20

**Finishes**

Black (04)

White (33)

Cooper (85)

Gold (92)

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Table

## Features

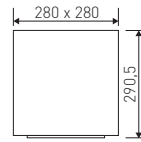


## Finishes



To complete the product reference, add finish

**QT14 - G9**



3,5W  
350 lm  
3000K **11.4694.0001.**

Lamp included



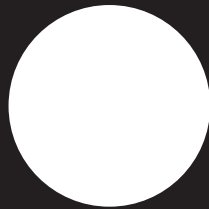
Renaissance Barcelona Fira Hotel, Spain





•

Luminaires designed to create spaces with character by using high quality and architectural lighting. "Patos Line" is perfect to give an actual and modern touch to museums, galleries, offices, clubs, restaurants and hotels.





informacja

<< Poradnia Genetyczna  
<< Pracownia Mammografii

Large format luminaires for plaster ceiling installation. Its pure shape makes it integrate well in all kinds of environments. Ideal for lighting large spaces like hotel lobbies or hospitals, theatres halls, stations or airports and shopping centres.

**Features**

Body made of aluminium and prismatic diffuser with an excellent coefficient of light transmission. LED and electronic driver integrated in the luminaire.

**Power**

LED from 60W to 90W

**Beam**

115°

**Colour temperature**

4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

60W - 8400 lm, 70W - 9800 lm,  
90W - 12600 lm, 140W - 19600 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

White

**Supply voltage**

220...230V, 50/60Hz

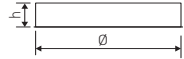
**Installation**

Recessed ceiling

## Features



LED



60W	h=150	60W Ø672
70W	h=164	70W Ø822
90W	h=164	90W Ø1022
140W	h=164	140W Ø1222

LED and control gear included



60W  
8400 lm  
drill Ø676  
4000K **AG0A1POFLEDAPLX21**



70W  
9800 lm  
drill Ø826  
4000K **AG0A1POGLEDAPLX21**



90W  
12600 lm  
drill Ø1026  
4000K **AG0A1POHLEDAPLX21**



140W  
19600 lm  
drill Ø1226  
4000K **AG0A1POILEDAPLX21**





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# 1

## TRACKLIGHTS



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Architecture is like music, a visual symphony based on the cadence and order among its elements that lead to scenic rhythm and spatial harmony. In this scenario, light represents the pentagram where the melody of the architecture flows, and Lumbo is one of the notes of this musical composition, in balance and consonance with the architectural space in which it flows as a visual music integrated into the whole with natural simplicity.

Nothing is casual in the conception of Lumbo. The design has been thought-out to illuminate without becoming preeminent, but integrating into the environment without its invasion, rather being part of it. Lumbo is a discreet design without concessions to frivolity, a concept where the inevitable clash between function and form leads to discover the essential.





Spherical format spotlight conceived for projects where visual density is an important factor to keep in mind. Lumbo has been especially designed to live in colonies without contributing to the architectural visual saturation. Lumbo fulfils the primary function of lighting the space, providing order and harmony to the architectural whole, avoiding the spatial arrhythmia generated by the standard spotlight orientation. Lumbo is an avant-garde design setting the latest advances in technology:

- Gear integrated in the track adaptor.
- Premium White LEDs (PW) with high colour rendering that makes it ideal for lighting retail spaces, exhibition areas, hotels...
- The "Total Orientation System" is simple and intuitive allowing to be adjusted with one hand to rotate 355 ° and tilt 90 °.

#### Features

Spherical monobloc projector made of Die-cast aluminium with high quality finishes and optical system based on high efficiency reflectors. The whole body works like heat-sink improving the working efficiency of the LED to optimize energy consumption. Gear is integrated within the three-phase adapter.



#### LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



#### Power

LED 12W, 29W

#### Beam

15°, 25°, 40°

#### Colour temperature

PW 3000K warm white - CRI ≥ 90

PW 4000K neutral white - CRI ≥ 90

#### Nominal lumen output

12W - 1920 lm, 29W - 3870 lm

#### Control gear

Electronic (EL)

#### IP

IP20

#### Finishes

Black (04)

White (63)

#### Supply Voltage

220...240V, 50/60Hz

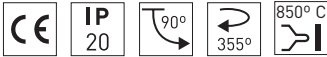
#### Installation

Three-phase track

#### Accessories

Honeycomb mesh

Features



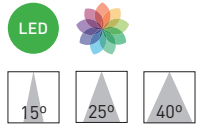
Finishes



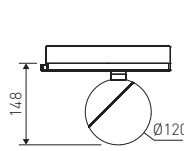
Versions:

Special LED versions on request

To complete the productreference, add finish  
Standard finishes are white (.63) and black (.04), other finishes on demand



LED and control gear included



12W  
15°  
track 3  
1750 lm  
3000K PW **11.1426.1311**  
4000K PW **11.1426.1411**

12W  
25°  
track 3  
1750 lm  
3000K PW **11.1426.1321**  
4000K PW **11.1426.1421**

12W  
40°  
track 3  
1750 lm  
3000K PW **11.1426.1341**  
4000K PW **11.1426.1441**

28W  
15°  
track 3  
3500 lm  
3000K PW **11.1426.2311**  
4000K PW **11.1426.2411**

28W  
25°  
track 3  
3500 lm  
3000K PW **11.1426.2321**  
4000K PW **11.1426.2421**

28W  
40°  
track 3  
3500 lm  
3000K PW **11.1426.2341**  
4000K PW **11.1426.2441**

Accessories

Honeycomb mesh  
**11.1426.0001.04**



Reference options

**11.1426.1411.63**



11.1426.



1- 12W  
3- 29W



0- Fashion  
1- Vegetables  
2- 2700K  
3- 3000K PW  
4- 4000K PW  
5- 5000K  
6- Meat  
7- Sausages  
8- Fish  
9- Bakery



11- 15°  
21- 25°  
41- 40°



04- Black  
22- Anthracite  
27- Grey  
63- White  
85- Copper  
92- Gold

Lightpod is especially designed for a specialised public that needs elements that favour the experience of purchasing and enhance the firm's brand image.

**LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.

**Power**

LED 13W, 25W, 37W

**Beam**

LED 14°, 24°, 34°

**Colour temperature**3000K warm white - CRI  $\geq$  904000K neutral white - CRI  $\geq$  90**Nominal lumen output**

LED 13W - 1700 lm, 25W - 3000 lm, 37W - 4400 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

White (33)

Black (04)

Grey (21)

**Supply Voltage**

220... 230V, 50/60Hz

**Installation**

Three-phase track, base

**Accessories**

Base

Lightpod LED includes an optical system with a faceted specular reflector, with different light distributions: intensive, medium or extensive, and a high level of chromatic generation (CRI ≥ 90).

Housings made of high-pressure injected aluminium and polycarbonate. With high-purity aluminium reflectors. The ball-joints adjust the tilt to 90° and rotation to 350°. The control gears are integrated in the fixture. Includes adapter.



Features



Finishes



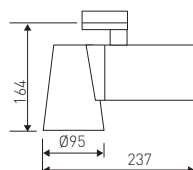
To complete the product reference, add finish

Versions:

Special LED versions on request  
DIMMER versions on request  
2700K and 5000K versions on request



LED and control gear included



13W 14° track <sup>3</sup> /track <sup>3e</sup> 1700 lm 3000K <b>898/29310</b> 4000K <b>898/29410</b>	13W 24° track <sup>3</sup> /track <sup>3e</sup> 1700 lm 3000K <b>898/29320</b> 4000K <b>898/29420</b>	13W 34° track <sup>3</sup> /track <sup>3e</sup> 1700 lm 3000K <b>898/29340</b> 4000K <b>898/29440</b>

25W 14° track <sup>3</sup> /track <sup>3e</sup> 3000 lm 3000K <b>898/39310</b> 4000K <b>898/39410</b>	25W 24° track <sup>3</sup> /track <sup>3e</sup> 3000 lm 3000K <b>898/39320</b> 4000K <b>898/39420</b>	25W 34° track <sup>3</sup> /track <sup>3e</sup> 3000 lm 3000K <b>898/39340</b> 4000K <b>898/39440</b>

Accessories



Surface base for spotlights with tree-phase adapter  
**2427**

37W 14° track <sup>3</sup> /track <sup>3e</sup> 4400 lm 3000K <b>898/49310</b> 4000K <b>898/49410</b>	37W 24° track <sup>3</sup> /track <sup>3e</sup> 4400 lm 3000K <b>898/49320</b> 4000K <b>898/49420</b>	37W 34° track <sup>3</sup> /track <sup>3e</sup> 4400 lm 3000K <b>898/49340</b> 4000K <b>898/49440</b>

Reference options

**898/20020/33**



898/ /

- |        |                |         |           |
|--------|----------------|---------|-----------|
| 2- 13W | 00- Fashion    | 10- 14° | 04- Black |
| 3- 25W | 01- Vegetables | 20- 24° | 21- Grey  |
| 4- 37W | 92- 2700K      | 40- 34° | 33- White |
|        | 93- 3000K      |         |           |
|        | 94- 4000K      |         |           |
|        | 85- 5000K      |         |           |
|        | 06- Meat       |         |           |
|        | 07- Sausages   |         |           |
|        | 08- Fish       |         |           |
|        | 09- Bakery     |         |           |

Reference options for control gear

**898/** **D** /   
**D**= Dim 1-10V  
  
**898/** **DD** /   
**DD**= DALI



Vector is a projector born from the pure essence of technology. Vector solves the need to control the light in a precise way with a simple and efficient concept. Ideal for application in museums, jewellery, hotels, retail fashion...

#### Features

Single-piece cylindrical projector built in extruded aluminium. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. Optical system composed by individual LEDs with collimating lens, and asymmetrical or elliptical technical diffusers. The elliptical version allows for a 90-degree turn of the diffusers, which enables guidance of the projected LED ellipse and incorporated system.



Mykita, Spain

#### Power

LED 10W, 13W, 24W

#### Beam

spot 7°, elliptical 50° + 20°, asymmetric 15°<sup>a</sup>

#### Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

#### Nominal lumen output

10W - 1400 lm, 13W - 1800 lm, 24W - 2100 lm

#### Control gear

Electronic (EL)

#### IP

IP20

#### Finishes

Black (04)

White (63)

#### Supply Voltage

220...240V, 50/60Hz

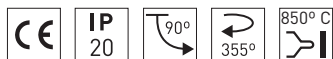
#### Installation

Three-phase track

#### Accessories

Base

Features



Finishes



To complete the product reference, add finish

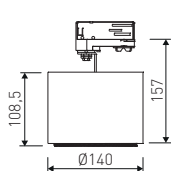
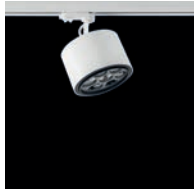
Versions:

2700K and 5000K versions on request  
DIMMER versions on request

LED



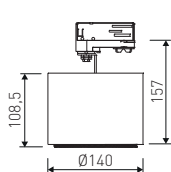
LED and control gear included



10W  
spot 7°  
track <sup>3</sup>  
1400 lm  
3000K **11.1536.0031**  
4000K **11.1536.0041**

LED

LED and control gear included

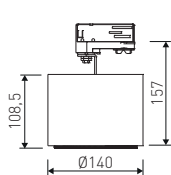


13W  
elliptical 50° + 20°  
track <sup>3</sup>  
1800 lm  
3000K **11.1536.0032**  
4000K **11.1536.0042**

LED



LED and control gear included



24W  
asymmetric 15°  
track <sup>3</sup>  
2100 lm  
3000K **11.1536.0033**  
4000K **11.1536.0043**

Accessories



Surface base for spotlights with  
three-phase adapter  
**2427**



Cylindrical LED projector for high quality luminous projection. Timeless design with full integration of the equipment into the projector without auxiliary gear box. A high degree of integration of various architectural spaces is achieved with no detrimental effect on their aesthetics. Ideal for accent applications in commercial spaces, window dressing and numerous indoor spaces.



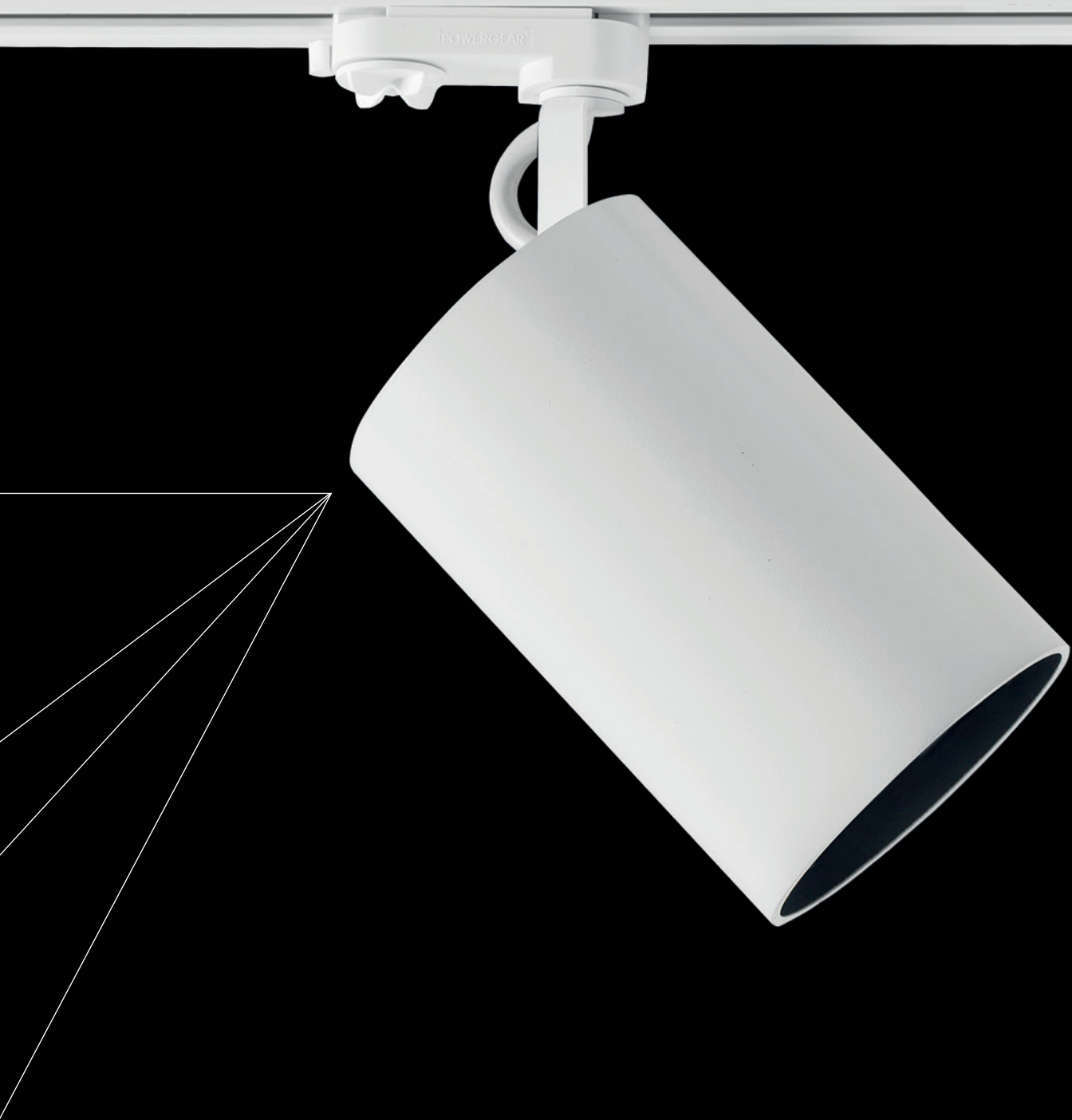
Luxcan C



Luxcan R



Luxcan MINI



A range of projectors that are simple to use, dependable, minimalist in size and of a timeless design. They can be easily integrated into a diverse range of architectural spaces without interfering with the existing aesthetics.

Luxcan C has a universal appearance and integrates the most sophisticated LED light sources with a variety of lenses suited for projection applications in commercial spaces, window dressing or large interior spaces.

#### Features

Made from aluminium, it incorporates a single-axis orientation system that allows vertical tilting of 90° and horizontal rotation of 355°.

Auxiliary equipment is integrated into the adapter and hidden in the rail. This helps to reduce the amount of space occupied by the projector while taking advantage of the concept of a "Vision Free System". The LED technology employed, together with the separation of the driver from the LED, provides a long service life, facilitates maintenance of the luminous flux and ensures a constant rate of chromatic reproduction throughout the life of the product. Available in semi-intensive and extensive versions that integrate faceted reflectors made from high purity aluminium.



#### LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



#### Power

LED 12W, 28W

#### Beam

15°, 25°, 40°

#### Color temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

#### Nominal lumen output

12W - 1800 lm, 28W - 3600 lm

#### Control gear

Electronic (EL)

#### IP

IP20

#### Finishes

Black (04)

Grey antracite (22)

Grey silver(27)

White (63)

Cobre (85)

Gold (92)

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Three-phase electric track and bus

#### Accessories

Honeycomb mesh

Features



Finishes

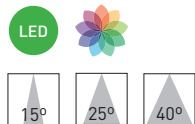


Versions:

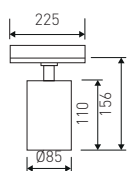
Special LED versions on request  
2700K and 5000K versions on request

To complete the product reference, add finish  
Standard finishes are white (.63) and black (.04), other finishes on demand

Luxcan C



LED and control gear included



Finish	Power	Beam Angle	Track	Lumen	Temp	Product Code
Black (.04)	12W	15°	track <sup>3</sup>	1800 lm	3000K	<b>11.1710.1311</b>
Black (.04)	12W	25°	track <sup>3</sup>	1800 lm	4000K	<b>11.1710.1411</b>
Black (.04)	12W	40°	track <sup>3</sup>	1800 lm	3000K	<b>11.1710.1321</b>
Black (.04)	12W	40°	track <sup>3</sup>	1800 lm	4000K	<b>11.1710.1421</b>
Black (.04)	28W	15°	track <sup>3</sup>	3600 lm	3000K	<b>11.1710.2311</b>
Black (.04)	28W	15°	track <sup>3</sup>	3600 lm	4000K	<b>11.1710.2411</b>
Black (.04)	28W	40°	track <sup>3</sup>	3600 lm	3000K	<b>11.1710.2321</b>
Black (.04)	28W	40°	track <sup>3</sup>	3600 lm	4000K	<b>11.1710.2421</b>
Black (.04)	28W	40°	track <sup>3</sup>	3600 lm	3000K	<b>11.1710.1341</b>
Black (.04)	28W	40°	track <sup>3</sup>	3600 lm	4000K	<b>11.1710.1441</b>

Accessories

**11.1710.0004.04**  
Honeycomb mesh



Single-piece cylindrical projector built in extruded aluminium. Different high quality Axalta paint finishes are available. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. The optical system is composed of a polycarbonate lens which casts a perfect beam without halos. LED and equipment incorporated.

#### Features

Monobloc projector integrated by a cylindrical body of extruded aluminium with finishes of high quality Axalta paint. The whole body of the luminaire performs the function of heat-sink, allowing set gear inside. Orientation system is based on a single axis, which allows the rotation of 355° and tilting 90°. Optical system based on high reflectors efficiency. LED and gear built-in.



#### LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



#### Power

LED 13W, 25W

#### Beam

12°, 24°, 36°

#### Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

13W - 2000 lm, 25W - 3500 lm

#### Control gear

Electronic (EL)

#### IP

IP20

#### Finishes

Black (04)

Anthracite (22)

Grey (27)

White (63)

Copper (85)

Gold (92)

#### Supply Voltage

220...240V, 50/60Hz

#### Installation

Three-phase track

#### Accessories

Base, honeycomb mesh

Features



Finishes

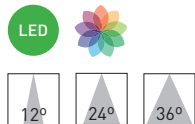


To complete the product reference, add finish  
Standard finishes are white (.63) and black (.04), other finishes on demand

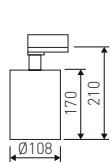
Versions:

Special LED versions on request  
DIMMER versions on request  
2700K and 5000K versions on request  
Versions for vertical track on request

Luxcan R



LED and control gear included



13W  
12°  
track 3  
2000 lm  
3000K **11.1523.8362**  
4000K **11.1523.8462**



13W  
24°  
track 3  
2000 lm  
3000K **11.1523.8364**  
4000K **11.1523.8464**



13W  
36°  
track 3  
2000 lm  
3000K **11.1523.8366**  
4000K **11.1523.8466**

25W  
12°  
track 3  
3500 lm  
3000K **11.1523.8312**  
4000K **11.1523.8412**

25W  
24°  
track 3  
3500 lm  
3000K **11.1523.8324**  
4000K **11.1523.8424**

25W  
36°  
track 3  
3500 lm  
3000K **11.1523.8336**  
4000K **11.1523.8436**

Accessories



Surface base for spotlights with  
tree-phase adapter  
**2427**



Honeycomb mesh  
**11.1523.0002.04**



Reference options

**11.1523.8312.85**



11.1523.



8- On/Off  
2- Dim 1-10V  
3- DALI



0- Fashion  
1- Vegetables  
2- 2700K  
3- 3000K  
4- 4000K  
5- 5000K  
6- Meat  
7- Sausages  
8- Fish  
9- Bakery



62- 12° -13W  
64- 24° -13W  
66- 36° -13W  
12- 12° -25W  
24- 24° -25W  
36- 36° -25W



04- Black  
22- Anthracite  
27- Grey  
63- White  
85- Copper  
92- Gold



Cylindrical-spotlight family designed with great formal simplicity. Mini Luxcan integrates the most sophisticated LED light sources and a variety of suitable optics for accent applications in hotels, private residences, bars, restaurants, cafeterias, and any space requiring small format projection elements.

**Features**

Built in aluminium, it incorporates a single-axel orientation system that allows tilting 90° and rotates 355°. Gear is integrated into the adapter becoming hidden into the track. This reduces to the minimum the busy volume by the projector in the space maximizing the "Vision Free System" concept. Optical system based on polycarbonate lenses that allows define a perfect beam, without halos. LED and gear integrated.



**Power**

LED 14W

**Beam**

15°, 32°, 50°

**Colour temperature**

2700K warm white - CRI ≥ 80

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

14W - 1600 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

Black (04)

Anthracite (22)

Grey (27)

White (63)

Copper (85)

Gold (92)

**Supply Voltage**

220...240V, 50/60Hz

**Installation**

Three-phase track

Features



Finishes

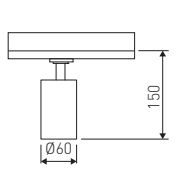


To complete the product reference, add finish  
Standard finishes are white (.63) and black (.04), other finishes on demand

Luxcan Mini

LED

LED and control gear included



Finish	15°	32°	50°
14W	14W	14W	14W
15°	32°	50°	
track 3	track 3	track 3	
1600 lm	1600 lm	1600 lm	
2700K <b>11.1839.1921</b>	2700K <b>11.1839.1923</b>	2700K <b>11.1839.1925</b>	
3000K <b>11.1839.1931</b>	3000K <b>11.1839.1933</b>	3000K <b>11.1839.1935</b>	
4000K <b>11.1839.1941</b>	4000K <b>11.1839.1943</b>	4000K <b>11.1839.1945</b>	



T-Tris Line concept is based on minimalism and versatility of its design to achieve total integration in the space. Luminaires designed for LED light sources, taking advantage of its small dimensions to achieve a compact and reduced aesthetic.

**Features**

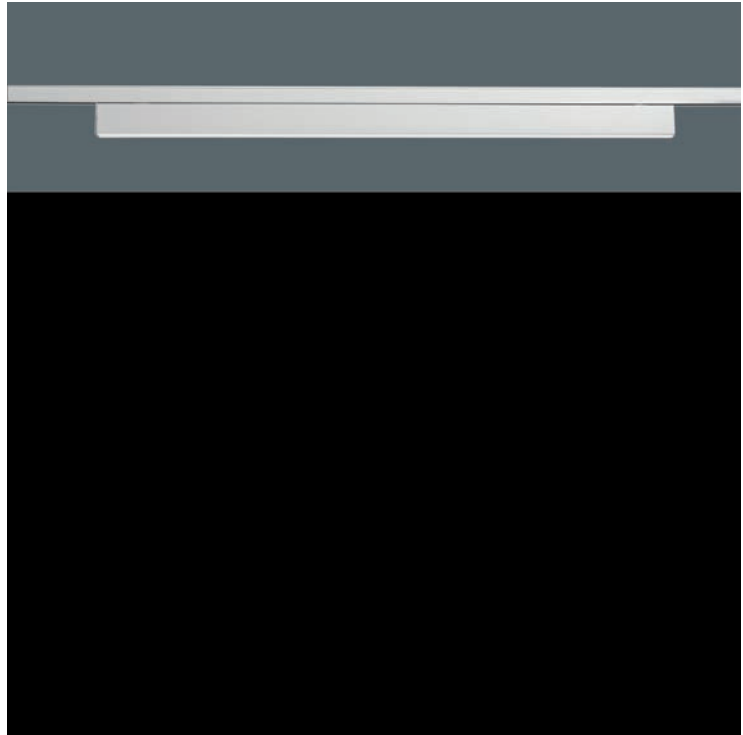
Extruded aluminum profile. High purity, specular aluminum reflector recovers the flux of light for greater performance.

Translucent methacrylate diffuser (PMMA) or high-purity aluminium reflector with polycarbonate diffuser.

**Fitting**

Recessed ceiling.

Fitted as an independent module and forming continuous lines.



**Power**

15W, 19,5W, 20W, 24W, 27W, 29W, 34W and 40W

**Beam**

75°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

2250 lm, 2700 lm, 3100 lm, 3600 lm, 4050 lm, 4670 lm

**Control gear**

Electronic (EL)

Electronic Dimmer DALI (ELDD)

**IP**

IP40

**Finishes**

Black (04)

White (33)

Grey (21)

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Three-phase track

Features



Translucent polycarbonate diffuser (PMMA)

Finishes

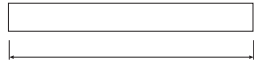
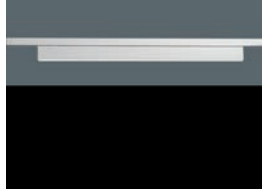


To complete the product reference, add finish

T-Tris Line



LED and control gear included



15W - 20W L = 885  
 19,5W - 27W L = 1120  
 24W - 34W L = 1400  
 29W - 40W L = 1685

15W  
 75°  
 control gear EL  
 2258 lm  
 3000K **11.1671.3101**  
 4000K **11.1671.3102**

15W  
 75°  
 control gear ELDD  
 2258 lm  
 3000K **11.1671.3105**  
 4000K **11.1671.3106**

20W  
 75°  
 control gear EL  
 3100 lm  
 3000K **11.1671.3103**  
 4000K **11.1671.3104**

20W  
 75°  
 control gear ELDD  
 3100 lm  
 3000K **11.1671.3107**  
 4000K **11.1671.3108**

19,5W  
 75°  
 control gear EL  
 2700 lm  
 3000K **11.1671.3201**  
 4000K **11.1671.3202**

19,5W  
 75°  
 control gear ELDD  
 2700 lm  
 3000K **11.1671.3205**  
 4000K **11.1671.3206**

27W  
 75°  
 control gear EL  
 3600 lm  
 3000K **11.1671.3203**  
 4000K **11.1671.3204**

27W  
 75°  
 control gear ELDD  
 3600 lm  
 3000K **11.1671.3207**  
 4000K **11.1671.3208**

24W  
 75°  
 control gear EL  
 3150 lm  
 3000K **11.1671.3301**  
 4000K **11.1671.3302**

24W  
 75°  
 control gear ELDD  
 3150 lm  
 3000K **11.1671.3305**  
 4000K **11.1671.3306**

34W  
 75°  
 control gear EL  
 4050 lm  
 3000K **11.1671.3303**  
 4000K **11.1671.3304**

34W  
 75°  
 control gear ELDD  
 4050 lm  
 3000K **11.1671.3307**  
 4000K **11.1671.3308**

29W  
 75°  
 control gear EL  
 3600 lm  
 3000K **11.1671.3401**  
 4000K **11.1671.3402**

29W  
 75°  
 control gear ELDD  
 3600 lm  
 3000K **11.1671.3405**  
 4000K **11.1671.3406**

40W  
 75°  
 control gear EL  
 4670 lm  
 3000K **11.1671.3403**  
 4000K **11.1671.3404**

40W  
 75°  
 control gear ELDD  
 4670 lm  
 3000K **11.1671.3407**  
 4000K **11.1671.3408**

T-Tris Box opens a new way for lighting commercial spaces. T-Tris Box offers flexibility and integration in the electrified track simplifying the lighting solution of Retail space. The range of formats and powers, together with the wide variety of available optics, make T-Tris Box the ideal solution for the general lighting of commercial spaces.

T-Tris Box adds ambience to your store, introduce contrast and help the easy identify the different areas of a commercial space. T-Tris Box is easy to install and can be easily adaptable to the changing needs of a commercial space, being able to highlight in the most adequate way each of the products exposed in the commercial area, especially combined with the other T-Tris lighting system elements (T-Tris line, T-Tris L, Brick...)

It is much more efficient than the traditional continuous lines of light since it allows to place discrete points of light where light is necessary and adapt the consumption to the real needs of each space of the store.

#### Features

Body built in steel sheet paint finish with lenses made og polimetyl metacrilate.



#### Power

LED 19W, 28,8W, 38,4W, 57,6W, 77W

#### Beam

30°, 60°, 90°, 111°, double asymmetric, asymmetric L, asymmetric R, diffuse

#### Colour temperature

4000K neutral white - CRI > 80

#### Nominal lumen output

19W – 3228 lm, 28,8W – 4842 lm, - 38,4W – 6456 lm, 57,6W – 9684 lm, 77W – 12942 lm

#### Control gear

Electronic (EL)

Electronic dimmable (ELD) on request

#### IP

IP44

#### Finishes

Black (04)

Grey (21)

White (63)

#### Supply Voltage

220...240V, 50/60Hz

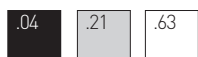
#### Installation

Three-phase track

Features



Finishes

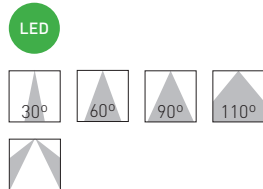


To complete the product reference, add finish

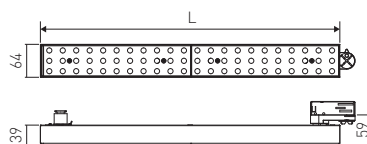
Versions:

Special LED versions on request  
DIMMER versions on request  
2700K, 3000K and 5000K on request

T-Tris Box



LED and control gear included



19W L=578  
28,8W L=864  
38,4W L=1150



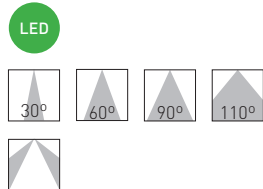
19W  
3228 lm  
4000K  
64 x 578  
Track<sup>3</sup>  
30° **11.1670.1411**  
60° **11.1670.1421**  
90° **11.1670.1431**  
110° **11.1670.1441**  
Double asym. **11.1670.1451**  
Asym.R **11.1670.1461**  
Asym.L **11.1670.1471**  
Diffuse **11.1670.1481**



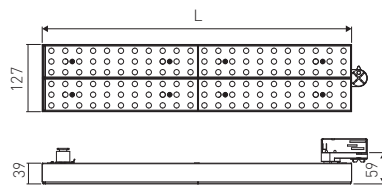
28,8W  
4842 lm  
4000K  
64 x 864  
Track<sup>3</sup>  
30° **11.1670.2411**  
60° **11.1670.2421**  
90° **11.1670.2431**  
110° **11.1670.2441**  
Double asym. **11.1670.2451**  
Asym.R **11.1670.2461**  
Asym.L **11.1670.2471**  
Diffuse **11.1670.2481**



38,4W  
6456 lm  
4000K  
64 x 1150  
Track<sup>3</sup>  
30° **11.1670.3411**  
60° **11.1670.3421**  
90° **11.1670.3431**  
110° **11.1670.3441**  
Double asym. **11.1670.3451**  
Asym.R **11.1670.3461**  
Asym.L **11.1670.3471**  
Diffuse **11.1670.3481**



LED and control gear included



38,4W L=578  
57,6W L=864  
77W L=1150



38,4W  
6456 lm  
4000K  
127 x 578  
Track<sup>3</sup>  
30° **11.1670.4411**  
60° **11.1670.4421**  
90° **11.1670.4431**  
110° **11.1670.4441**  
Double asym. **11.1670.4451**  
Asym.R **11.1670.4461**  
Asym.L **11.1670.4471**  
Diffuse **11.1670.4481**



57,6W  
9684 lm  
4000K  
127 x 864  
Track<sup>3</sup>  
30° **11.1670.5411**  
60° **11.1670.5421**  
90° **11.1670.5431**  
110° **11.1670.5441**  
Double asym. **11.1670.5451**  
Asym.R **11.1670.5461**  
Asym.L **11.1670.5471**  
Diffuse **11.1670.5481**



77W  
12912 lm  
4000K  
127 x 1150  
Track<sup>3</sup>  
30° **11.1670.6411**  
60° **11.1670.6421**  
90° **11.1670.6431**  
110° **11.1670.6441**  
Double asym. **11.1670.6451**  
Asym.R **11.1670.6461**  
Asym.L **11.1670.6471**  
Diffuse **11.1670.6481**



T-Tris L is a powerful unidirectional wallwasher ideal for lighting vertical planes uniformly, smoothly and effectively in any environment.

T-Tris T is a powerful bidirectional wallwasher ideal for lighting both lateral vertical planes in corridors in a uniform, smooth and effective way.

Indirect light minimizes glare, creating a bright environment where light and attention are completely concentrated on the displayed products.

**Features**

Body made of steel sheet with surface powder-painted. Orientation system allows rotation 355°. Driver integrated in the projector. It sets high efficiency LED and high quality aluminium reflector with asymmetrical light projection.



 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.

<b>Power</b>	LED 17W - 31,5W
<b>Beam</b>	Asymmetric
<b>Colour temperature</b>	3000K warm white - CRI ≥ 90 4000K neutral white - CRI ≥ 90
<b>Nominal lumen output</b>	17W - 2730 lm, 31,5W - 4500 lm
<b>Control gear</b>	Electronic (EL)
<b>IP</b>	IP20
<b>Finishes</b>	Black (04) White (63)
<b>Supply Voltage</b>	220...240V, 50/60Hz
<b>Installation</b>	Three-phase track

Features



Finishes

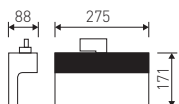
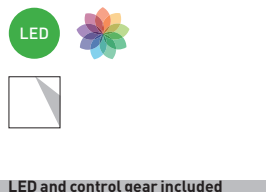


To complete the product reference, add finish  
Standard finishes are white (.63) and black (.04), other finishes on demand

Versions:

Special LED versions on request  
DIMMER versions on request  
2700K and 5000K versions on request

T-Tris L



■ □  
17W  
asymmetric  
track <sup>3</sup> / track <sup>3e</sup>  
2730 lm  
3000K **11.1833.1311**  
4000K **11.1833.1411**

■ □  
31,5W  
asymmetric  
track <sup>3</sup> / track <sup>3e</sup>  
4500 lm  
3000K **11.1833.2311**  
4000K **11.1833.2411**

T-Tris T



■ □  
2 x 17W  
2 x asymmetric  
track <sup>3</sup> / track <sup>3e</sup>  
2 x 2730 lm  
3000K **11.1833.3311**  
4000K **11.1833.3411**

■ □  
2 x 31,5W  
2 x asymmetric  
track <sup>3</sup> / track <sup>3e</sup>  
2 x 4500 lm  
3000K **11.1833.4311**  
4000K **11.1833.4411**

Reference options

11.1833.2323.04



11.1833.



- 1 - L 17W
- 2 - L 31,5W
- 3 - T 2x17W
- 4 - T 2x31,5W



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 1- Asymmetric



- 1- On/Off
- 2- Dim 1-10V
- 3- DALI



- 04- Black
- 63- White



Family of cylindrical projectors and big formal simplicity that thank to a timeless design allows a high degree of integration in many architectural spaces without interfere in their aesthetics.

Under a universal appearance, Spoty, integrates the most sophisticated LED light sources and different perspective accent that makes a more suitable application in commercial spaces, window displays or large indoor spaces.

#### Features

Constructed of aluminum. It incorporates a system of orientation by fork allowing a vertical turn of 90° and a 360° horizontal rotation.

The applied LED technology gives them a long service life, a luminous flow maintenance and a color rendering index over the life of the product.

Available in both semi-intensive and extensive that integrate faceted reflectors in high purity aluminum. LED auxiliary equipment are integrates into the body of the luminaire.



#### LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



#### Power

LED 13W, 25W, 37W

#### Beam

13W - 12°, 24°, 36°

25W - 12°, 24°, 36°

37W - 20°, 40°

25W, 37W - Wall washer

#### Color temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

13W - 2000 lm, 25W - 3500 lm, 37W - 5100 lm

#### Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

#### IP

IP20

#### Finishes

White [33]

Grey [21]

Black [04]

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Three-phase electric track and bus

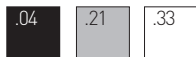
#### Accessories

Base

Features



Finishes



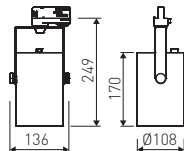
To complete the product reference, add finish

Versions:

Special LED versions on request  
DIMMER versions on request  
2700K and 5000K versions on request

LED

LED and control gear included



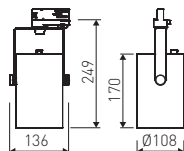
■ ■ ■	■ ■ ■	■ ■ ■
13W 12° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.8362</b> 4000K <b>11.1823.8462</b>	13W 12° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.2362</b> 4000K <b>11.1823.2462</b>	13W 12° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.3362</b> 4000K <b>11.1823.3462</b>

13W 24° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.8364</b> 4000K <b>11.1823.8464</b>	13W 24° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.2364</b> 4000K <b>11.1823.2464</b>	13W 24° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.3364</b> 4000K <b>11.1823.3464</b>
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13W 36° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.8366</b> 4000K <b>11.1823.8466</b>	13W 36° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.2366</b> 4000K <b>11.1823.2466</b>	13W 36° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 2000 lm 3000K <b>11.1823.3366</b> 4000K <b>11.1823.3466</b>
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LED

LED and control gear included



■ ■ ■	■ ■ ■	■ ■ ■
25W 12° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.8312</b> 4000K <b>11.1823.8412</b>	25W 12° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.2312</b> 4000K <b>11.1823.2412</b>	25W 12° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.3312</b> 4000K <b>11.1823.3412</b>

25W 24° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.8324</b> 4000K <b>11.1823.8424</b>	25W 24° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.2324</b> 4000K <b>11.1823.2424</b>	25W 24° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.3324</b> 4000K <b>11.1823.3424</b>
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25W 36° control-gear EL track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.8336</b> 4000K <b>11.1823.8436</b>	25W 36° control-gear ELD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.2336</b> 4000K <b>11.1823.2436</b>	25W 36° control-gear ELDD track <sup>3</sup> /track <sup>3e</sup> 3500 lm 3000K <b>11.1823.3336</b> 4000K <b>11.1823.3436</b>
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Reference options

11.1823.8312.63

11.1823.



- 8- On/Off
- 2- Dim 1-10V
- 3- DALI



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K



- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 62- 12° -13W
- 64- 24° -13W
- 66- 36° -13W
- 12- 12° -25W
- 24- 24° -25W
- 36- 36° -25W



- 04- Black
- 22- Grey
- 63- White

Features



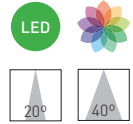
Finishes



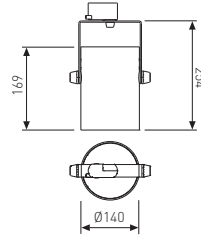
To complete the product reference, add finish

Versions:

Special LED versions on request  
DIMMER versions on request  
2700K and 5000K versions on request



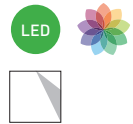
LED and control gear included



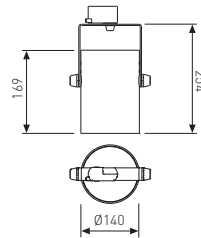
37W  
20°  
track<sup>3</sup> /track<sup>3e</sup>  
5100 lm  
3000K **799L/M8320**  
4000K **799L/M8420**



37W  
40°  
track<sup>3</sup> /track<sup>3e</sup>  
5100 lm  
3000K **799L/M8340**  
4000K **799L/M8440**



LED and control gear included



25W  
wall washer 15°  
track<sup>3</sup> /track<sup>3e</sup>  
3500 lm  
3000K **799L/M8315**  
4000K **799L/M8415**

37W  
wall washer 15°  
track<sup>3</sup> /track<sup>3e</sup>  
5100 lm  
3000K **799L/M8315**  
4000K **799L/M8415**



Surface base for spotlights with  
tree-phase adapter  
**2427**

Reference options

**799L/M8220/33**



79  L/M   /

8- 25W\*  
9- 37W

00- Fashion  
01- Vegetables  
82- 2700K  
83- 3000K  
84- 4000K  
85- 5000K  
06- Meat  
07- Sausages  
08- Fish  
09- Bakery

15- Wall washer 15°  
20- 20°  
40- 40°

04- Black  
21- Grey  
33- White

Reference options for control gear

**79**L/M D/

**79**L/M DD/

DD= DALI

\*this power can be combined with wallwasher 15° reflector



Estudio de diseño de interiores STONES DESIGNS, Fotógrafo Alberto Monteagudo

As its name implies, SDIV (or Vertical Illumination System) is a range of spotlights LED specially designed to light vertical planes. Useful for temporary installations, such as stands at trade fairs, exhibitions, publicity displays...or permanent installations, such as shop shelving, library shelves, art galleries, wherever local accent lighting is required.

#### Features

Housing made of injected aluminium. High-purity matt aluminium reflectors. Tempered protective glass. Various fitting positions have been designed, with horizontal and vertical anchors, fixed or mobile. Support socket for 3 different positions of 30° each. In addition to the 45° head orientation.



Loft, Spain

#### Power

LED 12W

#### Beam

85/70

#### Colour temperature

3000K warm white - CRI  $\geq$  85

#### Nominal lumen output

12W - 1200 lm

#### IP

IP20

#### Finishes

White (33)

Grey (21)

Black (04)

#### Supply voltage

220...240V, 50/60Hz

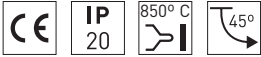
#### Installation

Three-phase electric track and base

#### Accessories

Mouting clamps

Features



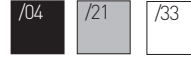
Protective Glass  
Control gear not required

Finishes



To complete the product reference, add finish

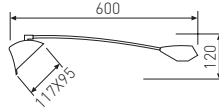
Finishes accessories



LED

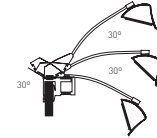
Fastening accessories also required

LED included



12W  
85° / 70°  
support socket  
1200 lm  
3000K **747L/83**

3-position support socket in fireproof fibre-glass reinforced polyamide. Switch included.



Accessories

Cables - Connectors



Connecting cable  
L : 3 m. 3x0.75 mm<sup>2</sup>  
With 2P + TT lateral pin  
**248/5/04**

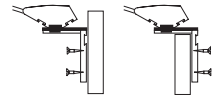
Mounts



Straight mount for HORIZONTAL surfaces  
**245**

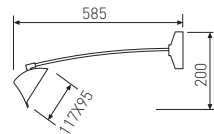


Straight mount for VERTICAL surfaces  
**246**



LED

LED included

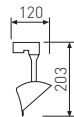


12W  
85° / 70°  
base to wall mounting  
1200 lm  
3000K **747L/BP83**

LED



LED included

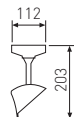


12W  
85° / 70°  
track<sup>3</sup> / track<sup>3e</sup>  
1200 lm  
3000K **747L/E83**

LED



LED included



12W  
85° / 70°  
base  
1200 lm  
3000K **747L/B83**

A spotlight of simple design suitable for temporary or permanent exhibitions, for commercial or home use.

**Features**

Stamped steel housing. Injected polycarbonate joint and trim. Adjustment system for the lamp-holder position, allowing light to pass correctly between the housing and the lamp. Joint rotates up to 360° and tilts to 90°. Accessories can be added.



**Power**

QPAR-CB - 50W - halogen or LED  
E27 - max.120W - incandescent or LED

**IP**

IP20

**Finishes**

White (33)  
Grey (21)  
Black (04)

**Supply voltage**

220...230V, 50/60 Hz

**Installation**

Three-phase electric track and base

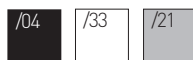
**Accessories**

Reflectors

Features

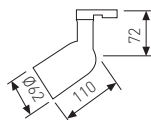


Finishes




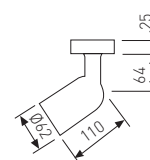
To complete the product reference, add finish

 GZ-10 QPAR-CB



 max.50W  
track<sup>3</sup>/track<sup>3e</sup>  
**765E**

 max.50W  
base  
**765/B**



For LED lamp

 E27 R63 máx.60W

 E27 R80 máx.100W

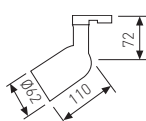
 E27 R90 máx.60W

 E27 PAR 20 máx.50W


 E27 PAR 30 máx.100W

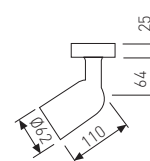
 E27 PAR 38 máx.120W

 E27 R50 máx.60W



 max.120W  
track<sup>3</sup>/track<sup>3e</sup>  
**766E**

 max.120W  
base  
**766/B**




For LED lamp

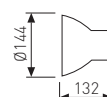
Accessories

Reflector

 E27 R63 (máx. 60W)



 Extra reflector (for ref. 766), only for the following lamps: R63  
**39**



For LED lamp



The electric tracks patented by Troll were the start and springboard for the growth of our brand. Nowadays, the tracks are still the most flexible option to increase, reduce or move light points on premises without having to call in a professional electrician.

The range includes systems with 3 switches for attaching, hanging or recessing, with a complete range of accessories designed for easy mounting and, of course, to provide flexibility.



Santa Gloria, Spain

Features



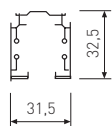
Finishes



To complete the product reference, add finish

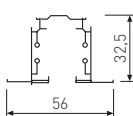
Track DALI

Three-phase surface track  
L1+L2+LB+N+TT 16A/400V



- L= 1000 mm  
**2420D/100**
- L= 2000 mm.  
**2420D/200**
- L= 3000 mm  
**2420D/300**
- L= 4000 mm  
**2420D/400**

Three-phase recessed track  
L1+L2+LB+N+TT 16A/400V



- □ □  
L= 1000 mm.  
**2421D/100**
- □ □  
L= 2000 mm.  
**2421D/200**
- □ □  
L= 3000 mm  
**2421D/300**
- □ □  
L= 4000 mm.  
**2421D/400**

Connection systems DALI



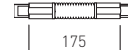
■ □  
**2400D**  
End cover



■ □  
**2401D/01**  
Left



■ □  
**2401D/02**  
Right



■ □  
**2402D**  
Flexible connector



■ □  
**2403D/10**  
Continuity connector  
with connection



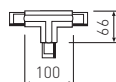
■ □  
**2403D**  
Continuity  
connector



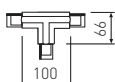
■ □  
**2408D/02**  
RIGHT "L" connector, option  
of connection



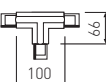
■ □  
**2408D/01**  
LEFT "L" connector, option  
of connection



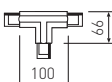
■ □  
**2407D/02**  
RIGHT "T" connector, option of  
connection



■ □  
**2407D/01**  
LEFT "T" connector, option of  
connection



■ □  
**2407D/04**  
LEFT "T"  
connector, option of connection

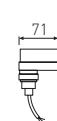


■ □  
**2407D/03**  
RIGHT "T" connector, option  
of connection



■ □  
**2409D**  
"X" connector, option of  
connection

Adaptors DALI

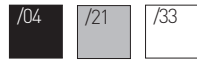


■ □  
**2417D**  
Adaptor with cable  
L=3m

Features

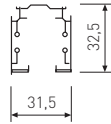


Finishes



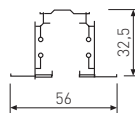
To complete the product reference, add finish

Three-phase surface track  
L1+L2+LB+N+TT 16A/400V










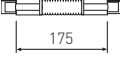









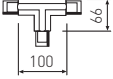

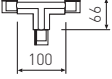

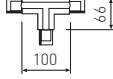

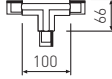





■ ■ ■	■ ■ ■	■ ■ ■	■ ■ ■
L= 1000 mm <b>2420/100</b>	L= 2000 mm. <b>2420/200</b>	L= 3000 mm <b>2420/300</b>	L= 4000 mm <b>2420/400</b>

Three-phase recessed track  
L1+L2+LB+N+TT 16A/400V



□	□	□	□
L= 1000 mm. <b>2421/100</b>	L= 2000 mm. <b>2421/200</b>	L= 3000 mm <b>2421/300</b>	L= 4000 mm. <b>2421/400</b>

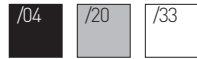
Connection systems

  ■ □ <b>2400</b> End cover	  ■ □ <b>2401/01</b> Left	  ■ □ <b>2401/02</b> Right	  ■ □ <b>2402</b> Flexible connector
  ■ □ <b>2403/10</b> Continuity connector with connection	  ■ □ <b>2403</b> Continuity connector	  ■ □ <b>2408/02</b> RIGHT "L" connector, option of connection	  ■ □ <b>2408/01</b> LEFT "L" connector, option of connection
  ■ □ <b>2407/02</b> RIGHT "T" connector, option of connection	  ■ □ <b>2407/01</b> LEFT "T" connector, option of connection	  ■ □ <b>2407/04</b> LEFT "T" connector, option of connection	  ■ □ <b>2407/03</b> RIGHT "T" connector, option of connection
  ■ □ <b>2409</b> "+" connector, option of connection	<p><b>Adaptors</b></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;">                   ■ ■ ■  <b>2427</b>                  Surface base for spotlights with tree-phase adaptor             </div> <div style="width: 45%;">                     ■ □  <b>2417</b>                  Adaptor with cable L=3m             </div> </div>		

Features

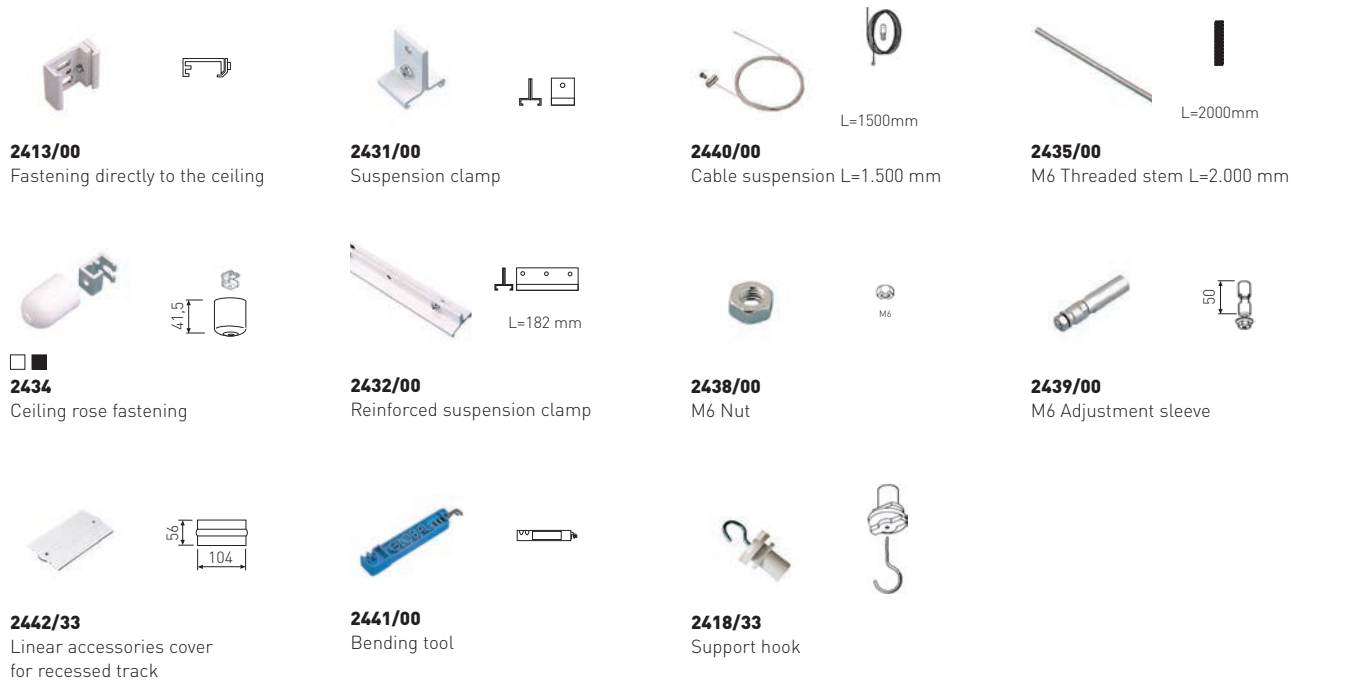


Finishes

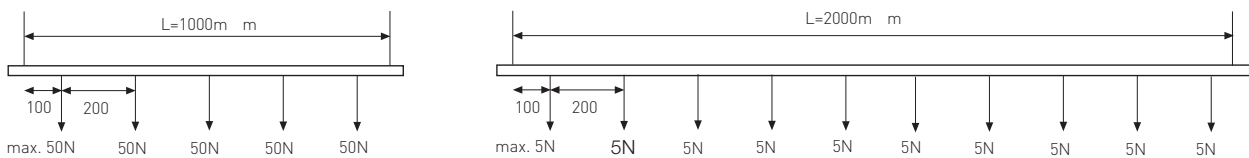


To complete the product reference, add finish

**Suspension systems**



The recommended distance between fastenings is 1m. [see load diagram]. The tracks are pre-drilled at the back, for fastening directly to the ceiling. Nevertheless, there is a wide range of optional fastenings.



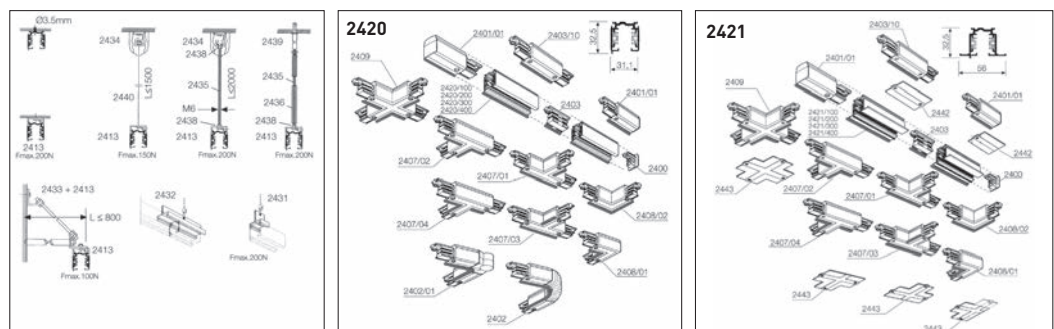
Cutting electric tracks: 242 tracks are supplied in standard lengths which can be easily cut to the required length with a metal saw or circular saw. After cutting, the conduits must be bent to a 90° angle using piece 2441. The conduits must be measured and adjusted with the plastic calibrator at one end of piece 2441. The conduit elbows are at the correct distance from the end of the track when the plastic calibrator does not jut out, but is flush with the track end.



**Fastening accessories**

Tracks 2420 and 2421 have a rib at the bottom which determines the position of the adaptor. In order to maintain continuity, some of the coupling elements between tracks, such as "L" and "T", and connectors, must be selected bearing this in mind.

The charts below, along with the attached table of example structures, provide help with selection.



# IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

# 2

## RECESSED DOWNLIGHTS



Brim  
p. 102



Contract  
p. 118



Microlinear  
p. 130



Focus  
p. 132



mini Zás Cardan  
p. 134



Zás Cardan  
p. 136



Zás Cube  
p. 138



Zás Wall  
p. 139



Optics Comfort  
p. 140



Optics Elite  
p. 142



Pinhole  
p. 144



Angle  
p. 148



Beryl  
p. 150



Ecoled  
p. 152



Downled  
p. 154

• **Brim downlights system, developed in collaboration with Artec, born from a brilliant study of proportions, both the essence of the product itself and its relation to the space in which it is integrated.**

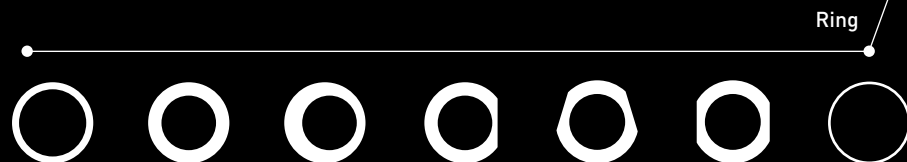
**Depending on your environment and needs, Brim allows a formal and functional customization to adapt to any space, retail, hospitality and even domestic projects.**

**By combining the key elements of the system, we define a suitable architectural solution space with various installation possibilities, from maximum integration with the ceiling versions “trimless” until all the possibilities offered by the various rings and cones.**

**Innovative “cutted” Rings allow the formation of downlights groups, combinations of beauty and harmony that invite formal creativity, customizable solutions to end defining unique designs.**

**The colour range of all elements of the system allows multiple finishes to match interior space .**

**A careful optical design with faceted reflectors allows us to project super-spot, medium and wide beams with a high efficiency and excellent light control .**







The Brim downlight is configured by combining the four light engines and the different configuration elements and finishes available.



## Brim range

### T1

Small fixed LED downlight.



### T2

Oriented 30°/350° LED downlight.



### T2 cone

Fixed LED cone downlight with high visual comfort.



## Configuration Items

### Light Engine

The light engine is composed by the drivers and light sources. Light engines are dimensioned with the appropriate heat sink in order to dissipate the different powers allowing a perfect light performance.

### Reflectors

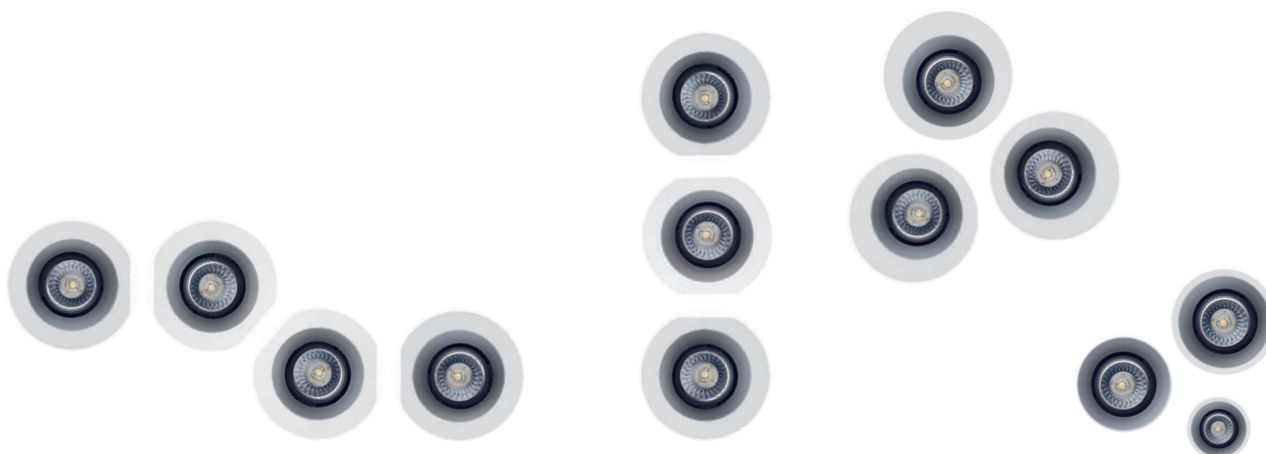
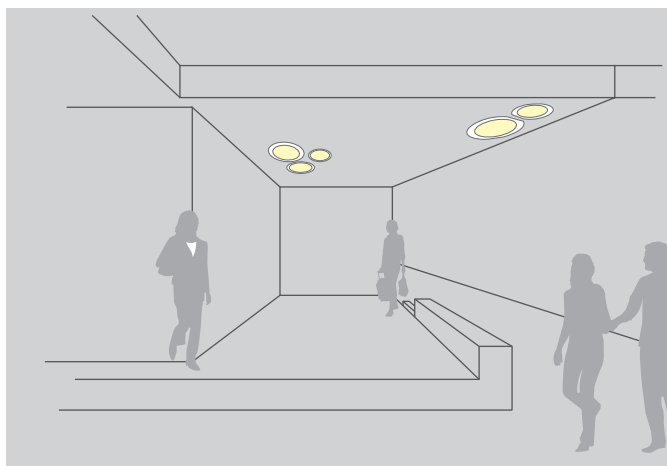
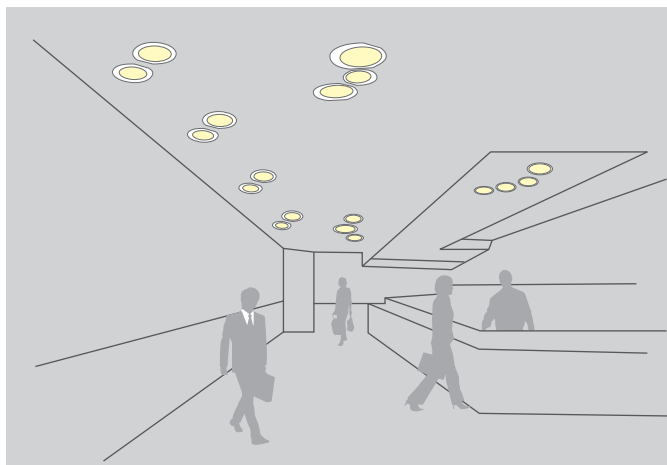
Beam patterns selection of 10°, 25° and 50° depending on the photometric requirements. High performance faceted reflectors made in high quality aluminium. Designed to minimize visual halos and maximize comfort.

### Secondary reflector

The secondary reflectors offer various finishes and can be combined with rings. The colour combination options provide a highly customizable downlight.

## Groups of light

The special design of the rings and the option to combine them in size and shape allows the formation of groups of light that enhance and streamline the architectural environment.



### Ring

The rings are essential and differential part of this family of downlights. Rings are made in die cast aluminium and offer us the possibility of individual installation or grouped in an infinite variety of combinations and formats.



Basic



Symmetric



Eccentric



Lateral



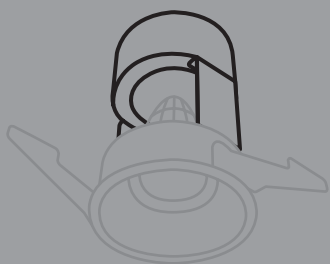
Angular



Parallel

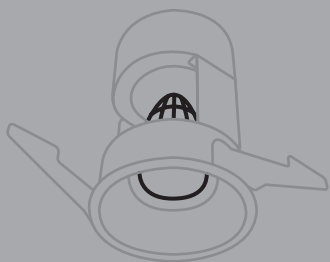


Trim less



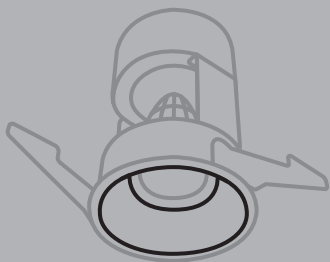
**Light engine**

LED light engine in passive cooling.  
Incorporates control gear.



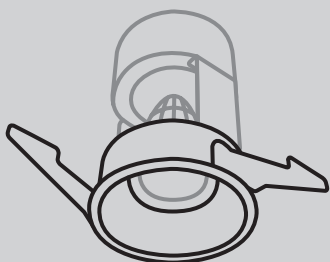
**Reflectors**

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



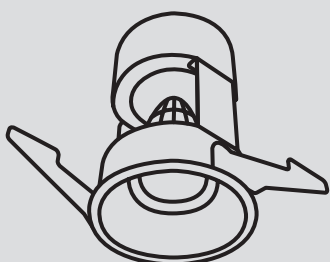
**Secondary reflector**

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



**Rings**

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.





- 1120** = LED 7W - 2700K - gear box EL
- 1100** = LED 7W - 3000K - gear box EL
- 1101** = LED 7W - 4000K - gear box EL
- 1121** = LED 15W - 2700K - gear box EL
- 1110** = LED 15W - 3000K - gear box EL
- 1111** = LED 15W - 4000K - gear box EL

11. **XXXXX** . **XXXX** . **XX**



**10** = Beam 10°  
SPOT



**25** = Beam 25°  
MEDIUM



**50** = Beam 50°  
WIDE

11. **XXXX** **XXXX** **XXXX** . **XX** . **XX**



**0** = Without secondary reflector for versions with symmetric and eccentric ring.

- 1** = Secondary reflector grey colour
- 2** = Secondary reflector gold colour
- 3** = Secondary reflector white colour
- 4** = Secondary reflector black colour
- 7** = Secondary reflector specular colour

11. **XXXX** . **XXXX** **XXXX** . **XX**



- 1.02** = Basic gold colour
- 1.04** = Basic black colour
- 1.21** = Basic grey colour
- 1.33** = Basic white colour



- 4.02** = Eccentric gold colour
- 4.04** = Eccentric black colour
- 4.21** = Eccentric grey colour
- 4.33** = Eccentric white colour

11. **XXXX** . **XXXX** **XXXX** . **XX**



- 3.02** = Symmetric gold colour
- 3.04** = Symmetric black colour
- 3.21** = Symmetric grey colour
- 3.33** = Symmetric white colour



- 2.33** = Trimless white colour

**Accessory references**

**11.1200.0001.00** (protection glass)



**11.1200.0003.00** (anti glare honeycomb)

11. **XXXX** . **XXXX** **XXXX** . **XX**

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



**Product definition**

Full downlight is set by selecting the different elements available.  
The product is ready for installation.

**Description**

LED Light Engine with driver included.  
Built in aluminium and stamped steel.  
Facetted reflector made of high purity aluminium.  
Secondary ring made of injected polycarbonate.  
Basic ring made of die cast aluminium and installation springs made of stainless steel.  
Accessory rings made of polycarbonate.  
Active heat sink.

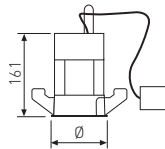
**LED features**

- Real wattage: 7W / 15W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 800 lm / 1365 lm
- CRI: 85

**Installation**

Recessed installation on roof from 1mm to 20 mm  
Hole diameter of installation Ø 78-80 mm  
Hole diameter of installation for trim less version: Ø 90 mm

# T1



7W  
2700K **11.1120**  
3000K **11.1100**  
4000K **11.1101**

15W  
2700K **11.1121**  
3000K **11.1110**  
4000K **11.1111**

LED and control gear included





+



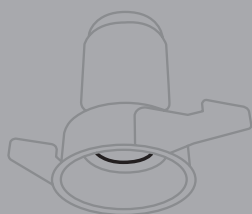
+





**Oriented light engine**

Available in versions for LED light sources.



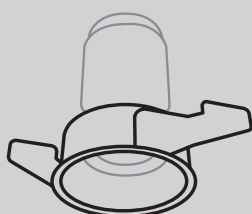
**Reflectors**

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



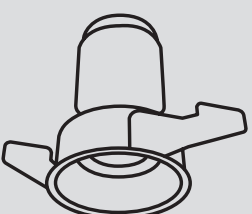
**Secondary reflector**

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



**Rings**

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.





- 1216 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1217 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. .



10 = Beam 10°  
SPOT



25 = Beam 25°  
MEDIUM



50 = Beam 50°  
WIDE

11.

- 1 = Secondary reflector grey colour
- 2 = Secondary reflector gold colour
- 3 = Secondary reflector white colour
- 4 = Secondary reflector black colour
- 7 = Secondary reflector specular colour

11.



- 1.02 = Basic gold colour
- 1.04 = Basic black colour
- 1.21 = Basic grey colour
- 1.33 = Basic white colour



- 5.02 = Lateral gold colour
- 5.04 = Lateral black colour
- 5.21 = Lateral grey colour
- 5.33 = Lateral white colour



- 3.02 = Symmetric gold colour
- 3.04 = Symmetric black colour
- 3.21 = Symmetric grey colour
- 3.33 = Symmetric white colour



- 6.02 = Parallel gold colour
- 6.04 = Parallel black colour
- 6.21 = Parallel grey colour
- 6.33 = Parallel white colour



- 4.02 = Eccentric gold colour
- 4.04 = Eccentric black colour
- 4.21 = Eccentric grey colour
- 4.33 = Eccentric white colour



- 7.02 = Angular gold colour
- 7.04 = Angular black colour
- 7.21 = Angular grey colour
- 7.33 = Angular white colour



2.33 = Trimless white colour

11.

**Accessory references**

11.1200.0001.00 (protection glass)



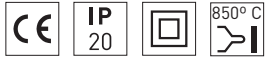
11.1200.0003.00 (anti glare honeycomb)

11.

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.



Features



**Product definition**

Full downlight is set by selecting the different elements available.  
The product is ready for installation.

**Description**

Oriented light engine.  
Incorporates LED basic product structure and gear box.  
Built in aluminium and stamped steel.  
Faceted reflector made of high purity aluminium.  
Secondary reflector made of injected polycarbonate.  
Basic ring made of die cast aluminium and installation springs made of stainless steel or galvanized sheet in trim less version.  
Active heat sink.

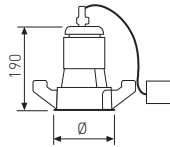
**LED features**

- Real wattage: 21W / 31W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 21W: 1750 lm
- LED luminous flux: 31W: 2800 lm
- CRI: 85

**Installation**

Recessed installation on roof from 1mm to 20 mm  
Hole diameter of installation Ø 104-106 mm  
Hole diameter of installation for trim less version: Ø118 mm

# T2 LED



21W  
2700K **11.1216.00**  
3000K **11.1220.00**  
4000K **11.1224.00**

21W  
control gear ELDD  
3000K **11.1222.00**  
4000K **11.1226.00**

LED and control gear included



Basic

Ø110



Symmetric



Eccentric



Lateral



Angular



Parallel

Ø134

31W  
2700K **11.1217.00**  
3000K **11.1221.00**  
4000K **11.1225.00**

31W  
control gear ELDD  
3000K **11.1223.00**  
4000K **11.1227.00**



+



+



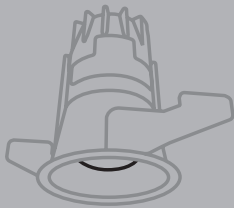
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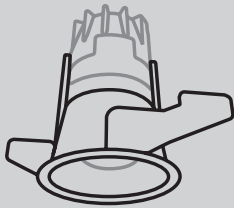
**Light engine**

Available in versions for LED light sources.



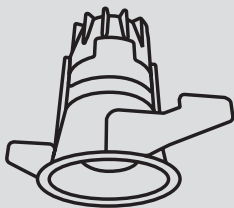
**Reflector**

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



**Cone**

Conical element ensures high visual comfort.





- 1218 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1219 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. XXXXX . □□□□ . □□



10 = Beam 10°  
SPOT



25 = Beam 25°  
MEDIUM



50 = Beam 50°  
WIDE

11. ■■■■ . XX□□ . □□



- 00.02 = Gold cone
- 00.04 = Black cone
- 00.21 = Grey cone
- 00.33 = White cone

11. ■■■■ . ■■XX . XX

**Accessory references**  
11.1200.0001.00 (protection glass)



11. ■■■■ . ■■■■ . ■■

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



**Product definition**

Full downlight is set by selecting the different elements available. The product is ready for installation.

**Description**

Incorporates LED, basic product structure and gear box.  
Built in aluminum and stamped steel.  
Faceted reflector made of high purity aluminium.  
Active heat sink

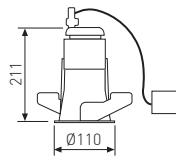
**LED features**

- Real wattage: 21W / 31W
- Colour temperature: 2700 / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- Luminous flux LED 21W: 1750 lm
- Luminous flux LED 31W: 2800 lm
- CRI: 85

**Installation**

Recessed installation on roof from 1mm to 20 mm  
Hole diameter of installation Ø 104-106 mm

# T2 cono LED



LED and control gear included

21W  
2700K **11.1218.00**  
3000K **11.1220.00**  
4000K **11.1224.00**

21W  
control gear ELDD  
3000K **11.1222**  
4000K **11.1226**

31W  
2700K **11.1219.00**  
3000K **11.1221.00**  
4000K **11.1225.00**

31W  
control gear ELDD  
3000K **11.1223**  
4000K **11.1227**



+



+



Full LED downlights programme designed to meet multiple lighting requirements, scenarios and minimal energy consumption.



Contract FIXED



Contract ORIENTABLE



Contract WALL WASHER





**Contract FIXED**

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High quality aluminium primary reflector, with polycarbonate secondary reflector. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

**Contract ORIENTABLE**

Downlight built with a die-cast aluminium body, injected aluminium diffuser. It incorporates a turning system that enables 355-degree rotation and 30-degree inclination. High-quality aluminium reflectors. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

**Contract WALL WASHER**

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High-quality aluminium reflectors with a diffuser that casts an excellent asymmetrical beam. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available.



 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Contract FIXED



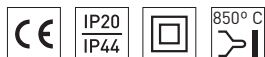
Contract ORIENTABLE



Contract WALL WASHER

<b>Power</b>	LED 7W, 13W, 18W, 25W, 32W
<b>Beam</b>	LED 7W - 20°, 30°, 60° LED 13W - 15°, 24°, 36°, 60° LED 18W - 15°, 24°, 36°, 60° LED 25W - 15°, 24°, 36°, 60° LED 32W - 15°, 24°, 36°, 60°
<b>Colour temperature</b>	3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
<b>Nominal lumen output</b>	7W - 900 lm, 13W - 1700 lm, 18W - 2400 lm, 25W - 3200 lm, 32W - 4300 lm
<b>Control gear</b>	Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer DALI (ELDD)
<b>IP</b>	IP20 / 44
<b>Finishes</b>	White (33)
<b>Supply voltage</b>	220... 240V, 50/60Hz
<b>Installation</b>	Recessed installation on roof
<b>Accessories</b>	Honeycomb mesh and reflector

Features



Finishes



Finishes accessories



To complete the product reference, add finish.

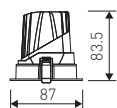
Versions:

Special LED versions on request  
2700K and 5000K versions on request

Contract FIXED



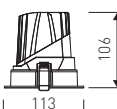
LED and control gear included



□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1602.1832.33</b> 4000 K <b>11.1602.1842.33</b>	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1602.1834.33</b> 4000 K <b>11.1602.1844.33</b>	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1602.1836.33</b> 4000 K <b>11.1602.1846.33</b>
□	□	□
7W 20° drill-hole Ø 75 control-gear ELD 900 lm 3000 K <b>11.1602.1032.33</b> 4000 K <b>11.1602.1042.33</b>	7W 30° drill-hole Ø 75 control-gear ELD 900 lm 3000 K <b>11.1602.1034.33</b> 4000 K <b>11.1602.1044.33</b>	7W 60° drill-hole Ø 75 control-gear ELD 900 lm 3000 K <b>11.1602.1036.33</b> 4000 K <b>11.1602.1046.33</b>
□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1602.1132.33</b> 4000 K <b>11.1602.1142.33</b>	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1602.1134.33</b> 4000 K <b>11.1602.1144.33</b>	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1602.1136.33</b> 4000 K <b>11.1602.1146.33</b>

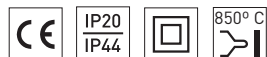


LED and control gear included



□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1602.2831.33</b> 4000 K <b>11.1602.2841.33</b>	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1602.2833.33</b> 4000 K <b>11.1602.2843.33</b>	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1602.2835.33</b> 4000 K <b>11.1602.2845.33</b>	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1602.2836.33</b> 4000 K <b>11.1602.2846.33</b>
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K <b>11.1602.2031.33</b> 4000 K <b>11.1602.2041.33</b>	13W 24° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K <b>11.1602.2033.33</b> 4000 K <b>11.1602.2043.33</b>	13W 36° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K <b>11.1602.2035.33</b> 4000 K <b>11.1602.2045.33</b>	13W 60° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K <b>11.1602.2036.33</b> 4000 K <b>11.1602.2046.33</b>
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1602.2131.33</b> 4000 K <b>11.1602.2141.33</b>	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1602.2133.33</b> 4000 K <b>11.1602.2143.33</b>	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1602.2135.33</b> 4000 K <b>11.1602.2145.33</b>	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1602.2136.33</b> 4000 K <b>11.1602.2146.33</b>

Features



Finishes



Finishes accessories

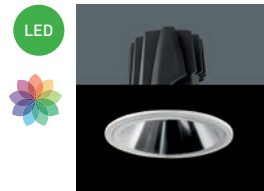


To complete the product reference, add finish.

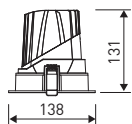
Versions:

Special LED versions on request  
2700K and 5000K versions on request

Contract FIXED



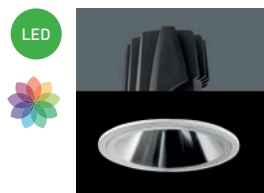
LED and control gear included



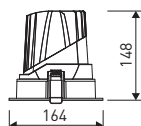
□	□	□	□
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1602.3831.33</b> 4000 K <b>11.1602.3841.33</b>	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1602.3833.33</b> 4000 K <b>11.1602.3843.33</b>	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1602.3835.33</b> 4000 K <b>11.1602.3845.33</b>	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1602.3836.33</b> 4000 K <b>11.1602.3846.33</b>

18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3031.33</b> 4000 K <b>11.1602.3041.33</b>	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3033.33</b> 4000 K <b>11.1602.3043.33</b>	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3035.33</b> 4000 K <b>11.1602.3045.33</b>	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3036.33</b> 4000 K <b>11.1602.3046.33</b>
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3131.33</b> 4000 K <b>11.1602.3141.33</b>	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3133.33</b> 4000 K <b>11.1602.3143.33</b>	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3135.33</b> 4000 K <b>11.1602.3145.33</b>	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1602.3136.33</b> 4000 K <b>11.1602.3146.33</b>
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LED and control gear included

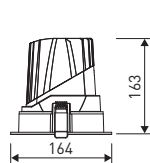
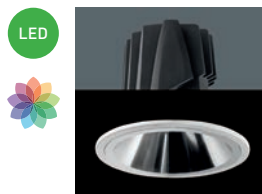


□	□	□	□
25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1602.4831.33</b> 4000 K <b>11.1602.4841.33</b>	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1602.4833.33</b> 4000 K <b>11.1602.4843.33</b>	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1602.4835.33</b> 4000 K <b>11.1602.4845.33</b>	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1602.4836.33</b> 4000 K <b>11.1602.4846.33</b>

25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4031.33</b> 4000 K <b>11.1602.4041.33</b>	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4033.33</b> 4000 K <b>11.1602.4043.33</b>	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4035.33</b> 4000 K <b>11.1602.4045.33</b>	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4036.33</b> 4000 K <b>11.1602.4046.33</b>
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4131.33</b> 4000 K <b>11.1602.4141.33</b>	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4133.33</b> 4000 K <b>11.1602.4143.33</b>	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4135.33</b> 4000 K <b>11.1602.4145.33</b>	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1602.4136.33</b> 4000 K <b>11.1602.4146.33</b>
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Contract FIXED



□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1602.5831.33</b> 4000 K <b>11.1602.5841.33</b>	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1602.5833.33</b> 4000 K <b>11.1602.5843.33</b>	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1602.5835.33</b> 4000 K <b>11.1602.5845.33</b>	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1602.5836.33</b> 4000 K <b>11.1602.5846.33</b>



LED and control gear included

32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5031.33</b> 4000 K <b>11.1602.5041.33</b>	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5033.33</b> 4000 K <b>11.1602.5043.33</b>	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5035.33</b> 4000 K <b>11.1602.5045.33</b>	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5036.33</b> 4000 K <b>11.1602.5046.33</b>
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32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5131.33</b> 4000 K <b>11.1602.5141.33</b>	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5133.33</b> 4000 K <b>11.1602.5143.33</b>	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5135.33</b> 4000 K <b>11.1602.5145.33</b>	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1602.5136.33</b> 4000 K <b>11.1602.5146.33</b>
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Accessories

Reflector  
Contract fixed

■ □ Reflector for 7W <b>11.1603.0011</b>	■ □ Reflector for 13W <b>11.1603.0021</b>	■ □ Reflector for 18W <b>11.1603.0031</b>	■ □ Reflector for 24-32W <b>11.1603.0041</b>
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Honeycomb mesh

■ Honeycomb mesh for 7W <b>11.1603.0012.04</b>	■ Honeycomb mesh for 13W <b>11.1603.0022.04</b>	■ Honeycomb mesh for 18W <b>11.1603.0032.04</b>	■ Honeycomb mesh for 24 - 32W <b>11.1603.0042.04</b>
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Reference options

11.1602.2163.33



11.1602. □ □ □ □ .33

- |        |              |               |                     |
|--------|--------------|---------------|---------------------|
| 1- 7W  | 8- On/Off    | 0- Fashion    | 1- 15°              |
| 2- 13W | 0- Dim 1-10V | 1- Vegetables | 2- 20° (version 7W) |
| 3- 18W | 1- DALI      | 2- 2700K      | 3- 24°              |
| 4- 25W |              | 3- 3000K      | 4- 30° (version 7W) |
| 5- 32W |              | 4- 4000K      | 5- 36°              |
|        |              | 5- 5000K      | 6- 60°              |
|        |              | 6- Meat       |                     |
|        |              | 7- Sausages   |                     |
|        |              | 8- Fish       |                     |
|        |              | 9- Bakery     |                     |

Features



Finishes



Finishes accessories

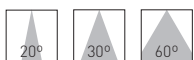
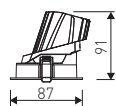
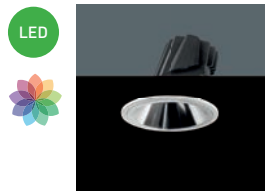


To complete the product reference, add finish.

Versions:

Special LED versions on request  
2700K and 5000K versions on request

Contract ORIENTABLE

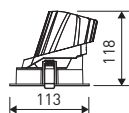
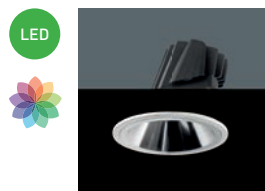


LED and control gear included

□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1601.1832.33</b> 4000 K <b>11.1601.1842.33</b>	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1601.1834.33</b> 4000 K <b>11.1601.1844.33</b>	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K <b>11.1601.1836.33</b> 4000 K <b>11.1601.1846.33</b>

□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1032.33</b> 4000 K <b>11.1601.1042.33</b>	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1034.33</b> 4000 K <b>11.1601.1044.33</b>	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1036.33</b> 4000 K <b>11.1601.1046.33</b>

□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1132.33</b> 4000 K <b>11.1601.1142.33</b>	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1134.33</b> 4000 K <b>11.1601.1144.33</b>	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K <b>11.1601.1136.33</b> 4000 K <b>11.1601.1146.33</b>



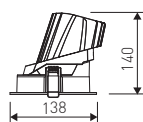
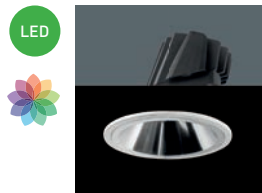
LED and control gear included

□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1601.2831.33</b> 4000 K <b>11.1601.2841.33</b>	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1601.2833.33</b> 4000 K <b>11.1601.2843.33</b>	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1601.2835.33</b> 4000 K <b>11.1601.2845.33</b>	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K <b>11.1601.2836.33</b> 4000 K <b>11.1601.2846.33</b>

□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2031.33</b> 4000 K <b>11.1601.2041.33</b>	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2033.33</b> 4000 K <b>11.1601.2043.33</b>	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2035.33</b> 4000 K <b>11.1601.2045.33</b>	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2036.33</b> 4000 K <b>11.1601.2046.33</b>

□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2131.33</b> 4000 K <b>11.1601.2141.33</b>	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2133.33</b> 4000 K <b>11.1601.2143.33</b>	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2135.33</b> 4000 K <b>11.1601.2145.33</b>	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K <b>11.1601.2136.33</b> 4000 K <b>11.1601.2146.33</b>

Contract ORIENTABLE



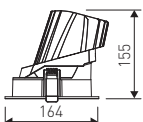
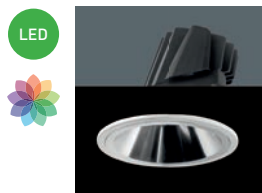
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1601.3831.33</b> 4000 K <b>11.1601.3841.33</b>	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1601.3833.33</b> 4000 K <b>11.1601.3843.33</b>	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1601.3835.33</b> 4000 K <b>11.1601.3845.33</b>	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K <b>11.1601.3836.33</b> 4000 K <b>11.1601.3846.33</b>
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LED and control gear included

18W 15° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K <b>11.1601.3031.33</b> 4000 K <b>11.1601.3041.33</b>	18W 24° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K <b>11.1601.3033.33</b> 4000 K <b>11.1601.3043.33</b>	18W 36° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K <b>11.1601.3035.33</b> 4000 K <b>11.1601.3045.33</b>	18W 60° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K <b>11.1601.3036.33</b> 4000 K <b>11.1601.3046.33</b>
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1601.3131.33</b> 4000 K <b>11.1601.3141.33</b>	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1601.3133.33</b> 4000 K <b>11.1601.3143.33</b>	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1601.3135.33</b> 4000 K <b>11.1601.3145.33</b>	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K <b>11.1601.3136.33</b> 4000 K <b>11.1601.3146.33</b>
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25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1601.4831.33</b> 4000 K <b>11.1601.4841.33</b>	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1601.4833.33</b> 4000 K <b>11.1601.4843.33</b>	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1601.4835.33</b> 4000 K <b>11.1601.4845.33</b>	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K <b>11.1601.4836.33</b> 4000 K <b>11.1601.4846.33</b>
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LED and control gear included

25W 15° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K <b>11.1601.4031.33</b> 4000 K <b>11.1601.4041.33</b>	25W 24° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K <b>11.1601.4033.33</b> 4000 K <b>11.1601.4043.33</b>	25W 36° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K <b>11.1601.4035.33</b> 4000 K <b>11.1601.4045.33</b>	25W 60° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K <b>11.1601.4036.33</b> 4000 K <b>11.1601.4046.33</b>
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1601.4131.33</b> 4000 K <b>11.1601.4141.33</b>	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1601.4133.33</b> 4000 K <b>11.1601.4143.33</b>	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1601.4135.33</b> 4000 K <b>11.1601.4145.33</b>	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K <b>11.1601.4136.33</b> 4000 K <b>11.1601.4146.33</b>
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Features



Finishes



Finishes accessories

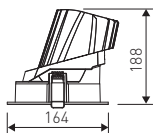


To complete the product reference, add finish.

Versions:

Special LED versions on request  
2700K and 5000K versions on request

Contract ORIENTABLE



LED and control gear included

□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1601.5831.33</b> 4000 K <b>11.1601.5841.33</b>	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1601.5833.33</b> 4000 K <b>11.1601.5843.33</b>	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1601.5835.33</b> 4000 K <b>11.1601.5845.33</b>	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K <b>11.1601.5836.33</b> 4000 K <b>11.1601.5846.33</b>
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K <b>11.1601.5031.33</b> 4000 K <b>11.1601.5041.33</b>	32W 24° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K <b>11.1601.5033.33</b> 4000 K <b>11.1601.5043.33</b>	32W 36° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K <b>11.1601.5035.33</b> 4000 K <b>11.1601.5045.33</b>	32W 60° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K <b>11.1601.5036.33</b> 4000 K <b>11.1601.5046.33</b>
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1601.5131.33</b> 4000 K <b>11.1601.5141.33</b>	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1601.5133.33</b> 4000 K <b>11.1601.5143.33</b>	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1601.5135.33</b> 4000 K <b>11.1601.5145.33</b>	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K <b>11.1601.5136.33</b> 4000 K <b>11.1601.5146.33</b>

Accessories

Reflector  
Contract orientable

■ □	■ □	■ □	■ □
Reflector for 7W <b>11.1603.0111</b>	Reflector for 13W <b>11.1603.0121</b>	Reflector for 18W <b>11.1603.0131</b>	Reflector for 24-32W <b>11.1603.0141</b>

Honeycomb mesh

■	■	■	■
Honeycomb mesh for 7W <b>11.1603.0012.04</b>	Honeycomb mesh for 13W <b>11.1603.0022.04</b>	Honeycomb mesh for 18W <b>11.1603.0032.04</b>	Honeycomb mesh for 24 - 32W <b>11.1603.0042.04</b>

Reference options

11.1601.5351.33



11.1601. □ □ □ □ .33

- |        |              |               |                     |
|--------|--------------|---------------|---------------------|
| 1- 7W  | 8- On/Off    | 0- Fashion    | 1- 15°              |
| 2- 13W | 0- Dim 1-10V | 1- Vegetables | 2- 20° (version 7W) |
| 3- 18W | 1- DALI      | 2- 2700K      | 3- 24°              |
| 4- 25W |              | 3- 3000K      | 4- 30° (version 7W) |
| 5- 32W |              | 4- 4000K      | 5- 36°              |
|        |              | 5- 5000K      | 6- 60°              |
|        |              | 6- Meat       |                     |
|        |              | 7- Sausages   |                     |
|        |              | 8- Fish       |                     |
|        |              | 9- Bakery     |                     |



Contract Fixed



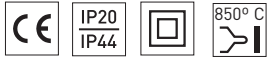
Contract Orientable



Contract Wall washer



## Features



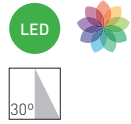
## Finishes



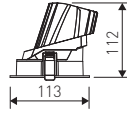
## Versions:

Special LED versions on request  
 2700K and 5000K versions on request

## Contract WALL WASHER



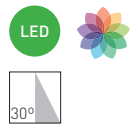
LED and control gear included



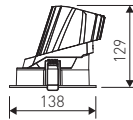
□  
 13W  
 30°  
 drill-hole Ø 100  
 control-gear EL  
 1700 lm  
 3000 K **11.1603.2830.33**  
 4000 K **11.1603.2840.33**

13W  
 30°  
 drill-hole Ø 100  
 control-gear ELD  
 1700 lm  
 3000 K **11.1603.2030.33**  
 4000 K **11.1603.2040.33**

13W  
 30°  
 drill-hole Ø 100  
 control-gear ELDD  
 1700 lm  
 3000 K **11.1603.2130.33**  
 4000 K **11.1603.2140.33**



LED and control gear included

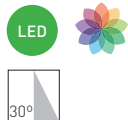


□  
 18W  
 30°  
 drill-hole Ø 125  
 control-gear EL  
 2400 lm  
 3000 K **11.1603.3830.33**  
 4000 K **11.1603.3840.33**

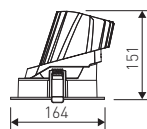
18W  
 30°  
 drill-hole Ø 125  
 control-gear ELD  
 2400 lm  
 3000 K **11.1603.3030.33**  
 4000 K **11.1603.3040.33**

18W  
 30°  
 drill-hole Ø 125  
 control-gear ELDD  
 2400 lm  
 3000 K **11.1603.3130.33**  
 4000 K **11.1603.3140.33**

Contract WALL WASHER



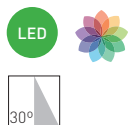
LED and control gear included



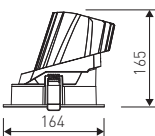
□  
25W  
30°  
drill-hole Ø 150  
control-gear EL  
3200 lm  
3000 K **11.1603.4830.33**  
4000 K **11.1603.4840.33**

25W  
30°  
drill-hole Ø 150  
control-gear ELD  
3200 lm  
3000 K **11.1603.4030.33**  
4000 K **11.1603.4040.33**

25W  
30°  
drill-hole Ø 150  
control-gear ELDD  
3200 lm  
3000 K **11.1603.4130.33**  
4000 K **11.1603.4140.33**



LED and control gear included



□  
32W  
30°  
drill-hole Ø 150  
control-gear EL  
4300 lm  
3000 K **11.1603.5830.33**  
4000 K **11.1603.5840.33**

32W  
30°  
drill-hole Ø 150  
control-gear ELD  
4300 lm  
3000 K **11.1603.5030.33**  
4000 K **11.1603.5040.33**

32W  
30°  
drill-hole Ø 150  
control-gear ELDD  
4300 lm  
3000 K **11.1603.5130.33**  
4000 K **11.1603.5140.33**

Reference options

11.1603.4830.33



11.1603.



- 2- 13W
- 3- 18W
- 4- 25W
- 5- 32W



- 8- On/Off
- 0- Dim 1-10V
- 1- DALI



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery

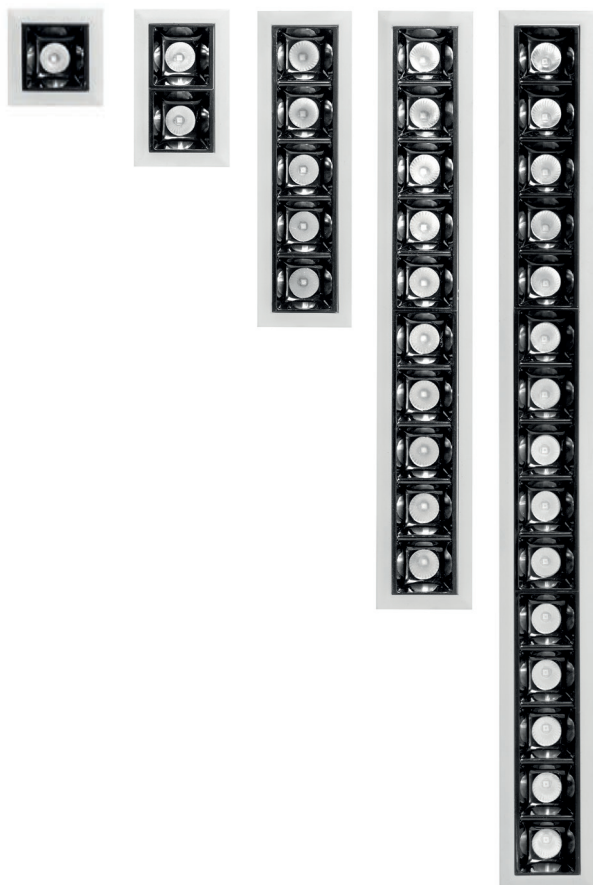
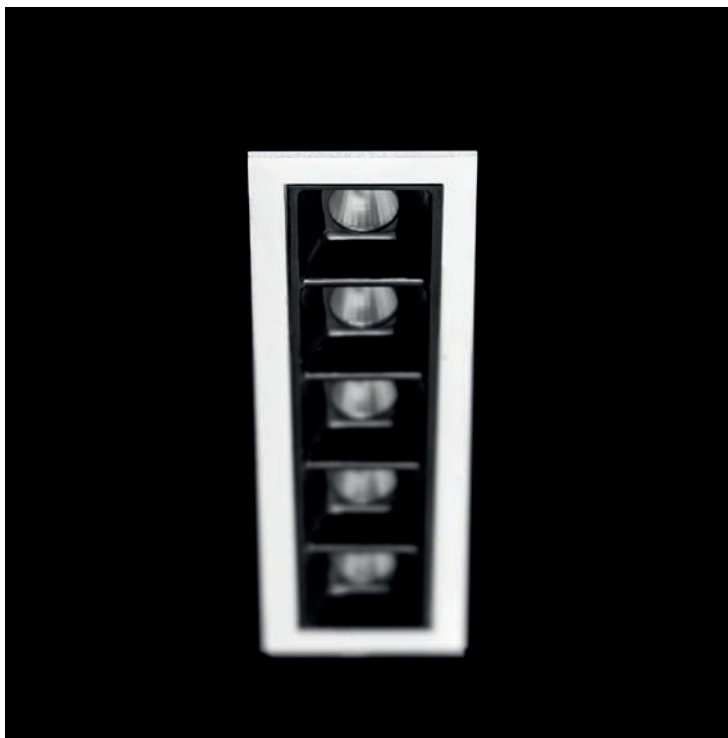
0.33

Simplicity and flexibility to integrate a minimalist architecture, that invites us to look at from another point of view to find solutions that break with the rigidity of the established canons.

Ideal for Hospitality sector facilities, such as hotels, bars, cafes, residential and office sector.

#### Features

LED recessed luminaire designed with a minimalist rectangular shape. Housing built in die-cast aluminum with black buffer made of polycarbonate. Optical system designed to provide diffused light distribution, based on high efficiency reflectors and transparent PMMA micro-prismatic diffuser with optimized geometry texture. The special acrylic material-film combined with the light distribution of the reflector ensures a comfortable level of lighting. Electronic power supply connected to the luminaire included.



#### Power

LED 2W, 4W, 10W, 20W, 30W

#### Beam

18°, 25°, 45°

#### Colour temperature

2700K warm white - CRI  $\geq$  90

3000K warm white - CRI  $\geq$  90

#### Nominal lumen output

2W - 220 lm, 4W - 440 lm, 10W - 1100 lm, 20W - 2200 lm, 30W - 3300 lm

#### Control gear

Electronic (EL)

#### IP

IP 44

#### Finishes

Black (04)

White (63)

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Installation fixed in ceiling

Features



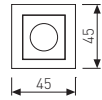
Finishes



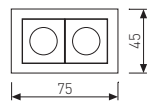
To complete the product reference, add finish

Versions:

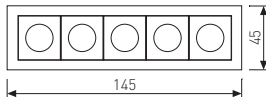
Dimables versions on request



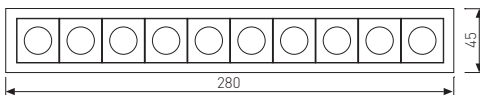
Color	Color	Color
■ □	■ □	■ □
2W	2W	2W
18°	25°	45°
drill-hole 35 x 35	drill-hole 35 x 35	drill-hole 35 x 35
control gear EL	control gear EL	control gear EL
220 lm	220 lm	220 lm
2700K <b>11.1701.1211</b>	2700K <b>11.1701.1221</b>	2700K <b>11.1701.1241</b>
3000K <b>11.1701.1311</b>	3000K <b>11.1701.1321</b>	3000K <b>11.1701.1341</b>



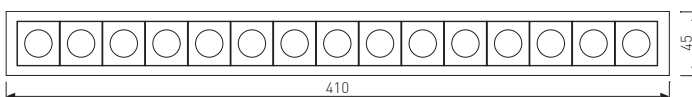
Color	Color	Color
■ □	■ □	■ □
4W	4W	4W
18°	25°	45°
drill-hole 35 x 65	drill-hole 35 x 65	drill-hole 35 x 65
control gear EL	control gear EL	control gear EL
440 lm	440 lm	440 lm
2700K <b>11.1701.2311</b>	2700K <b>11.1701.2321</b>	2700K <b>11.1701.2241</b>
3000K <b>11.1701.2311</b>	3000K <b>11.1701.2321</b>	3000K <b>11.1701.2341</b>



Color	Color	Color
■ □	■ □	■ □
10W	10W	10W
18°	25°	45°
drill-hole 35 x 135	drill-hole 35 x 135	drill-hole 35 x 135
control gear EL	control gear EL	control gear EL
1100 lm	1100 lm	1100 lm
2700K <b>11.1701.3211</b>	2700K <b>11.1701.3221</b>	2700K <b>11.1701.3241</b>
3000K <b>11.1701.3311</b>	3000K <b>11.1701.3321</b>	3000K <b>11.1701.3341</b>



Color	Color	Color
■ □	■ □	■ □
20W	20W	20W
18°	25°	45°
drill-hole 35 x 270	drill-hole 35 x 270	drill-hole 35 x 270
control gear EL	control gear EL	control gear EL
2200 lm	2200 lm	2200 lm
2700K <b>11.1701.4211</b>	2700K <b>11.1701.4221</b>	2700K <b>11.1701.4241</b>
3000K <b>11.1701.4311</b>	3000K <b>11.1701.4321</b>	3000K <b>11.1701.4341</b>



Color	Color	Color
■ □	■ □	■ □
30W	30W	30W
18°	25°	45°
drill-hole 35 x 400	drill-hole 35 x 400	drill-hole 35 x 400
control gear EL	control gear EL	control gear EL
3300 lm	3300 lm	3300 lm
2700K <b>11.1701.5211</b>	2700K <b>11.1701.5221</b>	2700K <b>11.1701.5241</b>
3000K <b>11.1701.5311</b>	3000K <b>11.1701.5321</b>	3000K <b>11.1701.5341</b>

Recessed and minimalist downlight designed for easy integration in the architecture, to create ambient and functional light at once. Focus is aimed to these professional projects where differential features are important for the space design.

Suitable for the retail, offices, hotels and restaurants projects, as well as for residential applications where differential features, such as integration, energy saving efficiency and durability are the base of the space design

**Features**

Optical system set a lens-reflector. Reflector and heat-sink built in aluminium. Installation clamps integrated in the secondary reflector that acts also as installation trim.

**Installation**

Ceiling recessed installation.



**Power**

LED 5W, 10W, 15W

**Beam**

15°, 24°, 38°

**Colour temperature**

2700K warm white - CRI ≥ 90

3000K warm white - CRI ≥ 90

**Nominal lumen output**

5W - 400 lm, 10W - 800 lm, 15W - 1200 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD) under demand

**IP**

IP 20/44

**Finishes**

White (63)

Black (04)

Cooper (85)

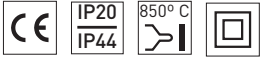
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Recessed ceiling

Features



Finishes



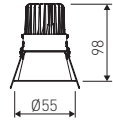
To complete the product reference, add finish

Versions:

Dimables versions on request

LED

LED and control gear included



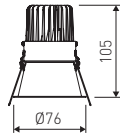
5W  
15°  
drill-hole Ø45  
control gear EL  
400 lm  
2700K **11.1704.1121**  
3000K **11.1704.1131**



5W  
24°  
drill-hole Ø45  
control gear EL  
400 lm  
2700K **11.1704.1122**  
3000K **11.1704.1132**



5W  
38°  
drill-hole Ø45  
control gear EL  
400 lm  
2700K **11.1704.1123**  
3000K **11.1704.1133**



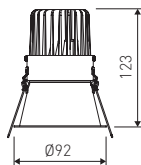
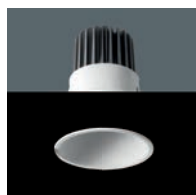
10W  
15°  
drill-hole Ø70  
control gear EL  
800 lm  
2700K **11.1704.2121**  
3000K **11.1704.2131**



10W  
24°  
drill-hole Ø70  
control gear EL  
800 lm  
2700K **11.1704.2122**  
3000K **11.1704.2132**



10W  
38°  
drill-hole Ø70  
control gear EL  
800 lm  
2700K **11.1704.2123**  
3000K **11.1704.2133**



15W  
15°  
drill-hole Ø85  
control gear EL  
1200 lm  
2700K **11.1704.3121**  
3000K **11.1704.3131**



15W  
24°  
drill-hole Ø85  
control gear EL  
1200 lm  
2700K **11.1704.3122**  
3000K **11.1704.3132**



15W  
38°  
drill-hole Ø85  
control gear EL  
1200 lm  
2700K **11.1704.3123**  
3000K **11.1704.3133**



Recessed small downlight LED with a square frame and with Cardan system. Great energy savings in general lighting applications. Guidance system that provides multiple options commercial and residential spaces lighting.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



**Power**

LED 2W, 13W, 25W  
GU10 max. 50W  
G53 max.100W

**Beam**

2W - asymmetric  
13W - 25°, 40°  
25W - 25°, 40°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80  
2700K - 5000K tuneable white on demand

**Nominal lumen output**

2W - 150 lm, 13W - 2000 lm, 25W - 3500 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer (ELD)  
Electronic Dimmer DALI (ELDD)

**IP**

IP20, IP20/44

**Finishes**

White (33) - (53)  
Black (04)  
Grey (21)

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Recessed installation on roof

## mini Zas Cardan

Built in coated sheet steel and composed of two concentric injected aluminium rings, linked by their axes with individual lens tilting systems.

Wire channel for cable derivation and connection terminal blocks included. Installation using sliding sheet steel parts to fix the luminaire to the ceiling hole.

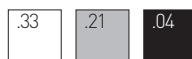
Its reduced size format makes it ideal for applications in the Hospitality segment (hotels, bars, cafes) as well as in retail fashion or in the residential.



### Features



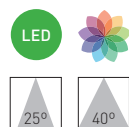
### Finishes



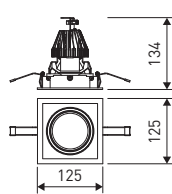
To complete the product reference, add finish.

### Versions:

Special LED versions on request  
 DIMMER (ELD) versions on request  
 DIMMER DALI (ELDD) versions on request  
 2700K and 5000K versions on request  
 Tuneable white versions from 2700K to 5000K on request



LED and control gear included

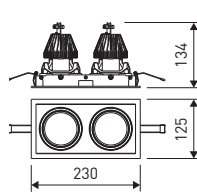


■ ■ ■  
 13W  
 25°  
 drill-hole 110 x 110  
 control-gear EL  
 2000 lm  
 3000K **11.1518.1831**  
 4000K **11.1518.1841**

■ ■ ■  
 13W  
 40°  
 drill-hole 110 x 110  
 control-gear EL  
 2000 lm  
 3000K **11.1518.1832**  
 4000K **11.1518.1842**

■ ■ ■  
 25W  
 25°  
 drill-hole 110 x 110  
 control-gear EL  
 3500 lm  
 3000K **11.1518.2831**  
 4000K **11.1518.2841**

■ ■ ■  
 25W  
 40°  
 drill-hole 110 x 110  
 control-gear EL  
 3500 lm  
 3000K **11.1518.2832**  
 4000K **11.1518.2842**



■ ■ ■  
 2x13W  
 25°  
 drill-hole 110 x 215  
 control-gear EL  
 2x2000 lm  
 3000K **11.1518.3831**  
 4000K **11.1518.3841**

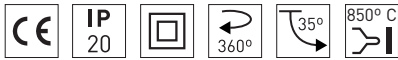
■ ■ ■  
 2x13W  
 40°  
 drill-hole 110 x 215  
 control-gear EL  
 2x2000 lm  
 3000K **11.1518.3832**  
 4000K **11.1518.3842**

■ ■ ■  
 2x25W  
 25°  
 drill-hole 110 x 215  
 control-gear EL  
 2x3500 lm  
 3000K **11.1518.4831**  
 4000K **11.1518.4841**

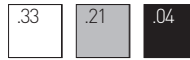
■ ■ ■  
 2x25W  
 40°  
 drill-hole 110 x 215  
 control-gear EL  
 2x3500 lm  
 3000K **11.1518.4832**  
 4000K **11.1518.4842**



Features



Finishes

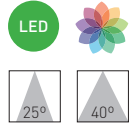


To complete the product reference, add finish.

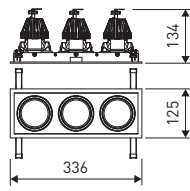
Versions:

Special LED versions on request  
 DIMMER (ELD) versions on request  
 DIMMER DALI (ELDD) versions on request  
 2700K and 5000K versions on request  
 Tuneable white versions from 2700K to 5000K on request

mini Zas Cardan



LED and control gear included



3x13W  
 25°  
 drill-hole 110 x 321  
 control-gear EL  
 3x2000 lm  
 3000K **11.1518.5831**  
 4000K **11.1518.5841**

3x13W  
 40°  
 drill-hole 110 x 321  
 control-gear EL  
 3x2000 lm  
 3000K **11.1518.5832**  
 4000K **11.1518.5842**

3x25W  
 25°  
 drill-hole 110 x 321  
 control-gear EL  
 3x3500 lm  
 3000K **11.1518.6831**  
 4000K **11.1518.6841**

3x25W  
 40°  
 drill-hole 110 x 321  
 control-gear EL  
 3x3500 lm  
 3000K **11.1518.6832**  
 4000K **11.1518.6842**

Reference options

11.1518.3851.33



11.1518.



- 1- 13W
- 2- 25W
- 3- 2x13W
- 4- 2x25W
- 5- 3x13W
- 6- 3x25W



- 0- On/Off  
(for special LEDs)
- 8- On/Off  
(CRI80 for 2700K,4000K, 5000K)
- 2- Dim 1-10V
- 3- DALI
- 9- 2700K - 5000K TW



- 0- Fashion
- 1- Vegetables
- 2- 2700 K
- 3- 3000K
- 4- 4000K
- 5- 5000 K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 1- 25°
- 2- 40°

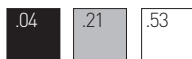


- 04- black
- 21- grey
- 33- white

Features



Finishes

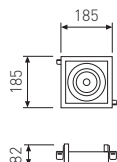


To complete the product reference, add finish

Zas Cardan

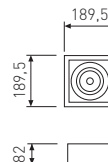
LED G53 QR 111

For LED lamp



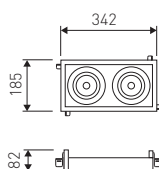
WITH frame

■ ■ ■  
 máx.100W  
 drill-hole 170 x 170  
**11.0453.0001**

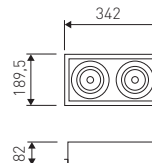


WITHOUT frame

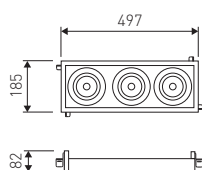
■ ■ ■  
 máx. 100W  
 drill-hole 165 x 165  
**11.0553.0001**



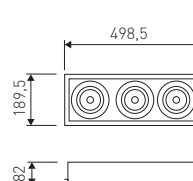
■ ■ ■  
 2 x máx.100W  
 drill-hole 170 x 325  
**11.0453.0002**



■ ■ ■  
 2 x máx.100W  
 drill-hole 165 x 320  
**11.0553.0002**



■ ■ ■  
 3 x máx.100W  
 drill-hole 170 x 480  
**11.0453.0003**



■ ■ ■  
 3 x máx.100W  
 drill-hole 165 x 472  
**11.0553.0003**

Zas Cube

Black or white lacquered steel plate housing according to version and square tilt rings in die-cast aluminium.

External square frame. Finishes of the outer frame: white or grey.

Stainless steel spring clips. Wire channel for derivation, and connection terminal blocks are included.

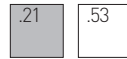


Features



Control gear required

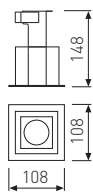
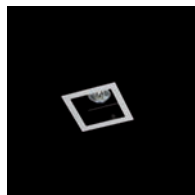
Finishes



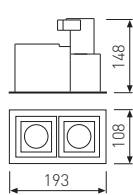
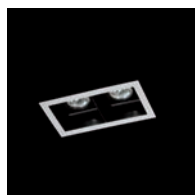
To complete the product reference, add finish

LED GU10

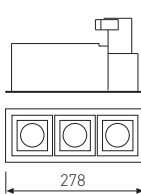
For LED lamp



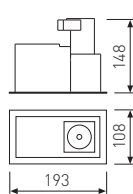
max 50W  
drill 94 x 94  
**11.0452.0001**



2 x max 50W  
drill 94 x 175  
**11.0452.0002**



3 x max 50W  
drill 94 x 265  
**11.0452.0003**



max 50W  
drill 94 x 175  
**11.0452.0004**

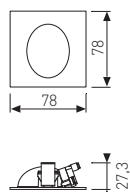
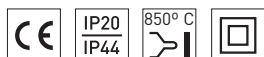
Wallwasher beam

## Zas Wall

Small size recessed wall fixtures built in injected aluminium. Body designed to provide asymmetric beams, ideal for Beaconing installed at low height in all kinds of facilities: Hotels, residential, commercial, theatres, cinemas, auditoriums, airports.... LED and driver integrated.

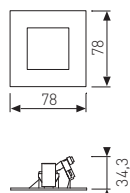


### Features



□  
2W  
asymmetric  
drill -hole Ø65  
control-gear EL  
150 lm  
3000K **11.1605.0031.33**  
4000K **11.1605.0041.33**

LED and control gear included

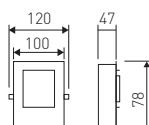


□  
2W  
asymmetric  
drill -hole Ø65  
control-gear EL  
150 lm  
3000K **11.1605.0032.33**  
4000K **11.1605.0042.33**

LED and control gear included

### Accessories Zas Wall

Housing  
**11.1605.1901.00**



Optics downlights are ideal luminaires for applications in general lighting. They are an innovative solution for its excellent construction, simple but strong and efficient. Optics range set latest LED generation, high quality electronic drivers and high efficient reflectors. Optics are especially designed to accomplish with regulations that guarantee excellent visual comfort and minimize the energy consumption. Remark its long service life due to its robust and enduring design.



Optics Comfort



Optics ELITE  
large spaces heights

**Power**

12W, 20,4W, 31,5W, 54W

**Beam**

LED 25°, 50°, 80°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

2700K - 5000K tuneable white

**Nominal lumen output**

12W - 2000 lm, 20,4W - 3300 lm, 31,5W - 4600 lm, 54W - 8000 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Emergency

**IP**

IP20

**Finishes**

White

**Supply voltage**

220...230V, 50/60Hz

**Installation**

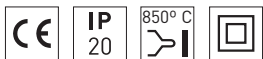
Recessed ceiling

Optics Comfort

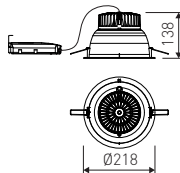
Optics Comfort is synonymous of efficiency and comfort. Optics Comfort set an efficient and highly comfy reflector that limits eye fatigue and look with favour on the people well-being to those users of lighted spaces with the TROLL range Optics Comfort. The range is specially designed for lighting working and studying

spaces, such as offices, classrooms, libraries meeting rooms. Also for the general lighting of spaces where glare is an important factor to keep in mind as bookstores, day-care centres, waiting rooms, hospital rooms...

Features



LED and control gear included

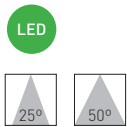
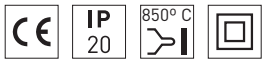


	12W 80° cut-hole Ø200 control gear EL 2000 lm 3000K <b>11.1703.1301.33</b> 4000K <b>11.1703.1401.33</b>	12W 80° cut-hole Ø200 control gear ELD 2000 lm 3000K <b>11.1703.1302.33</b> 4000K <b>11.1703.1402.33</b>	12W 80° cut-hole Ø200 control gear ELDD 2000 lm 3000K <b>11.1703.1303.33</b> 4000K <b>11.1703.1403.33</b>	12W 80° cut-hole Ø200 control gear EL+ EM 2000 lm 3000K <b>11.1703.1304.33</b> 4000K <b>11.1703.1404.33</b>
	20,4W 80° cut-hole Ø200 control gear EL 3300 lm 3000K <b>11.1703.2301.33</b> 4000K <b>11.1703.2401.33</b>	20,4W 80° cut-hole Ø200 control gear ELD 3300 lm 3000K <b>11.1703.2302.33</b> 4000K <b>11.1703.2402.33</b>	20,4W 80° cut-hole Ø200 control gear ELDD 3300 lm 3000K <b>11.1703.2303.33</b> 4000K <b>11.1703.2403.33</b>	20,4W 80° cut-hole Ø200 control gear EL+ EM 3300 lm 3000K <b>11.1703.2304.33</b> 4000K <b>11.1703.2404.33</b>
	31,5W 80° cut-hole Ø200 control gear EL 4600 lm 3000K <b>11.1703.3301.33</b> 4000K <b>11.1703.3401.33</b>	31,5W 80° cut-hole Ø200 control gear ELD 4600 lm 3000K <b>11.1703.3302.33</b> 4000K <b>11.1703.3402.33</b>	31,5W 80° cut-hole Ø200 control gear ELDD 4600 lm 3000K <b>11.1703.3303.33</b> 4000K <b>11.1703.3403.33</b>	31,5W 80° cut-hole Ø200 control gear EL+ EM 4600 lm 3000K <b>11.1703.3304.33</b> 4000K <b>11.1703.3404.33</b>
	12W 80° cut-hole Ø200 control gear TW 2000 lm 2700K-5000K <b>11.1703.1009.33</b>	21W 80° cut-hole Ø200 control gear TW 3000 lm 2700K- 5000K <b>11.1703.2009.33</b>		

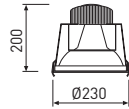
### Optics Elite large spaces heights

Special version designed for large spaces heights up to 6m.  
Includes a high performance next-generation CoB LED with passive dissipation, anodised aluminium reflector and white-painted secondary reflector.

#### Features



LED and control gear included



□  
54W  
25°  
cut-hole Ø218  
control gear EL  
8000 lm  
3000K **0585L/I6083/33**  
4000K **0585L/I6084/33**

□  
54W  
50°  
cut-hole Ø218  
control gear EL  
8000 lm  
3000K **0585L/E6083/33**  
4000K **0585L/E6084/33**

54W  
25°  
cut-hole Ø218  
control gear ELD  
8000 lm  
3000K **0585L/I6083D/33**  
4000K **0585L/I6084D/33**

54W  
50°  
cut-hole Ø218  
control gear ELD  
8000 lm  
3000K **0585L/E6083D/33**  
4000K **0585L/E6084D/33**

54W  
25°  
cut-hole Ø218  
control gear ELDD  
8000 lm  
3000K **0585L/I6083DD/33**  
4000K **0585L/I6084DD/33**

54W  
50°  
cut-hole Ø218  
control gear ELDD  
8000 lm  
3000K **0585L/E6083DD/33**  
4000K **0585L/E6084DD/33**



Barcelona Airport T1, Spain



Recessed small downlight LED aimed at a professional public that requires quality lighting and the maximum energetic saving. Specially designed to meet the lighting requirements of hotels, commercial buildings and other commercial spaces that require small luminaires.

**Features**

Downlight built with a plastic body and aluminium heat sink. Fixed and adjustable versions. High-quality aluminium reflectors. The front elements, available as accessories, are held by magnets, which can easily replace such items and makes installation easier. Latest-generation LED and driver included.



**Power**

LED 10W, 15W

**Beam**

LED 10W 15°, 24°, 40°

LED 15W 15°, 24°, 40°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

10W - 700 lm, 15W - 1300 lm

**Control gear**

Electronic (EL)

**IP**

IP20 / 44

**Finishes**

White (33)

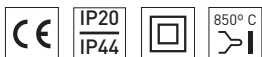
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Recessed ceiling

Features



Versions:

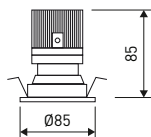
Electronic Dimmer (ELD) on request  
Electronic Dimmer DALI (ELDD) on request

Pinhole FIXED

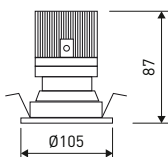
LED

Luminaire to complete with available accessories

**LED and control gear included**



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K <b>11.1547.0301.33</b>	3000K <b>11.1547.0302.33</b>	3000K <b>11.1547.0304.33</b>
4000K <b>11.1547.0401.33</b>	4000K <b>11.1547.0402.33</b>	4000K <b>11.1547.0404.33</b>



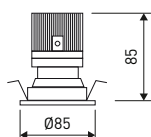
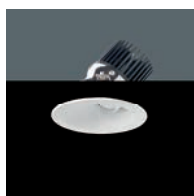
15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K <b>11.1547.5301.33</b>	3000K <b>11.1547.5302.33</b>	3000K <b>11.1547.5304.33</b>
4000K <b>11.1547.5401.33</b>	4000K <b>11.1547.5402.33</b>	4000K <b>11.1547.5404.33</b>

Pinhole ORIENTABLE

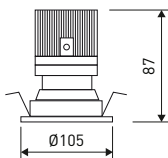
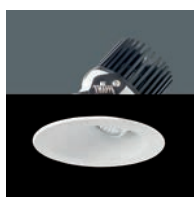
LED

Luminaire to complete with available accessories

**LED and control gear included**



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K <b>11.1547.0311.33</b>	3000K <b>11.1547.0312.33</b>	3000K <b>11.1547.0314.33</b>
4000K <b>11.1547.0411.33</b>	4000K <b>11.1547.0412.33</b>	4000K <b>11.1547.0414.33</b>



15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K <b>11.1547.5311.33</b>	3000K <b>11.1547.5312.33</b>	3000K <b>11.1547.5314.33</b>
4000K <b>11.1547.5411.33</b>	4000K <b>11.1547.5412.33</b>	4000K <b>11.1547.5414.33</b>

Finishes



To complete the product reference, add finish

Decorative Trims

Special colours on demand



■ □  
10W **11.1547.0001**  
15W **11.1547.5001**  
Fixed



■ □  
10W **11.1547.0002**  
15W **11.1547.5002**  
Fixed / Orientable



■ □  
10W **11.1547.0006**  
15W **11.1547.5006**  
Fixed / Orientable  
SQUARE



■ □  
10W **11.1547.0003**  
15W **11.1547.5003**  
Orientable



■ □  
10W **11.1547.0004**  
15W **11.1547.5004**  
Fixed / Orientable



■ □  
10W **11.1547.0007**  
15W **11.1547.5007**  
Fixed / Orientable  
SQUARE



■ □  
10W **11.1547.0005**  
15W **11.1547.5005**  
Fixed / Orientable

Reference options

11.1547.0342.33



11.1547.



0- 10W  
5- 15W



3- 3000K  
4- 4000K

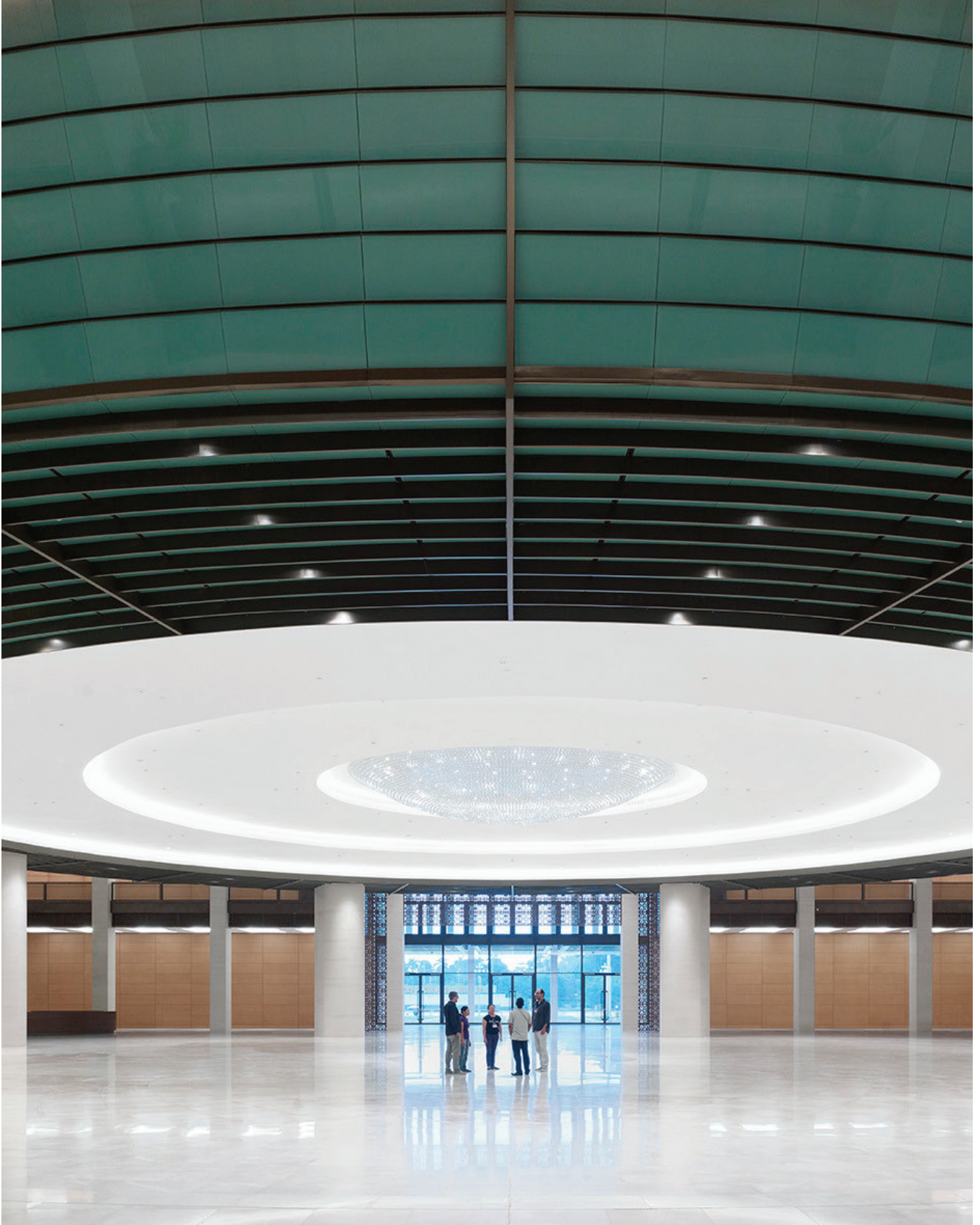


0- On/Off, Fixed  
1- On/Off, Orientable  
2- Dim 1-10V, Fixed  
3- Dim 1-10V, Orientable  
4- DALI, Fixed  
5- DALI, Orientable



1- 15°  
2- 24°  
4- 40°

.33



Parliament Singapur, Singapur

Angle is a range of varying products united by a common feature, tilting reflectors. This allows the downlight reflector to be adjusted, and accent lighting on vertical planes, as required. Especially suitable for commercial establishments.

**Features**

Injected aluminium housing and exterior trim. High-purity aluminium faceted reflector. Steel spring clips. Tilting system and adjustment for the optic group at any point on semi-sphere.



**LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Banco de Estado, Chile.  
Picture from Contract Workplaces.

**Power**

LED 25W, 37W

**Beam**

LED 20°, 40°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

2700K - 5000K tuneable white on demand

**Nominal lumen output**

LED 25W - 3500 lm, 37W - 5100 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

**IP**

IP20 /44

**Finishes**

White (33)

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Recessed ceiling

Features



Protective Glass

Finishes



To complete the product reference, add finish

Versions:

Special LED versions on request (only for 0163/L)  
2700K and 5000K versions on request  
Tuneable white versions from 2700K, 5000K on request

LED



LED and control gear included

□	□	□
25W 20° drill-hole Ø143 control-gear EL 3500 lm 3000K <b>0161/L8320</b> 4000K <b>0161/L8420</b>	25W 20° drill-hole Ø143 control-gear ELD 3500 lm 3000K <b>0161/L8320D</b> 4000K <b>0161/L8420D</b>	25W 20° drill-hole Ø143 control-gear ELDD 3500 lm 3000K <b>0161/L8320DD</b> 4000K <b>0161/L8420DD</b>

25W 40° drill-hole Ø143 control-gear EL 3500 lm 3000K <b>0161/L8340</b> 4000K <b>0161/L8440</b>	25W 40° drill-hole Ø143 control-gear ELD 3500 lm 3000K <b>0161/L8340D</b> 4000K <b>0161/L8440D</b>	25W 40° drill-hole Ø143 control-gear ELDD 3500 lm 3000K <b>0161/L8340DD</b> 4000K <b>0161/L8440DD</b>
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LED



LED and control gear included

□	□	□
37W 20° drill-hole Ø175 control-gear EL 5100 lm 3000K <b>0163/L8320</b> 4000K <b>0163/L8420</b>	37W 20° drill-hole Ø175 control-gear ELD 5100 lm 3000K <b>0163/L8320D</b> 4000K <b>0163/L8420D</b>	37W 20° drill-hole Ø175 control-gear ELDD 5100 lm 3000K <b>0163/L8320DD</b> 4000K <b>0163/L8420DD</b>

37W 40° drill-hole Ø175 control-gear EL 5100 lm 3000K <b>0163/L8340</b> 4000K <b>0163/L8440</b>	37W 40° drill-hole Ø175 control-gear ELD 5100 lm 3000K <b>0163/L8340D</b> 4000K <b>0163/L8440D</b>	37W 40° drill-hole Ø175 control-gear ELDD 5100 lm 3000K <b>0163/L8340DD</b> 4000K <b>0163/L8440DD</b>
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Reference options

0163/L0120/33



0163 / L     /

- 00- Fashion
- 01- Vegetables
- 82- 2700K
- 83- 3000K
- 84- 4000K
- 85- 5000K
- 06- Meat
- 07- Sausages
- 08- Fish
- 09- Bakery
- 20- 20°
- 40- 40°
- 21- Grey
- 33- White

Reference options for control gear

016  / L     D /    
D= Dim 1-10V  
016  / L     DD /    
DD= DALI

Complete downlight programme that ensures efficient lighting with minimum consumption and ensures visual comfort for general lighting applications.

**Features**

Downlight with die-cast aluminium body, plastic front piece and polycarbonate diffuser. The sink design provides excellent heat dissipation. LEDs and driver included. 1-10V and DALI dimmable versions available.



Banco de Estado, Chile.  
Picture from Contract Workplaces.

**Power**

LED 8W, 12W, 21W, 22W, 30W, 38W

**Beam**

80°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

8W - 1000 lm, 12W - 1500 lm, 21W - 3000 lm, 22W - 3100 lm,

30W - 4500 lm, 38W - 5100 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

**IP**

IP20 / 54

**Finishes**

White (33)

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Recessed ceiling

Features



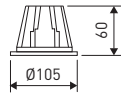
Versions:

Emergency kit on demand  
for power 12W, 21W, 22W, 30W and 38W

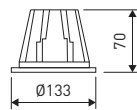
LED



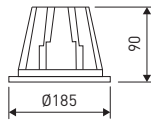
LED and control gear included



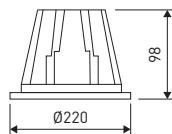
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8W 80° drill-hole Ø 95 control-gear EL 1000 lm 3000K <b>11.1546.3108.33</b> 4000K <b>11.1546.4108.33</b>	8W 80° drill-hole Ø 95 control-gear ELD 1000 lm 3000K <b>11.1546.3100.33</b> 4000K <b>11.1546.4100.33</b>	8W 80° drill-hole Ø 95 control-gear ELDD 1000 lm 3000K <b>11.1546.3101.33</b> 4000K <b>11.1546.4101.33</b>



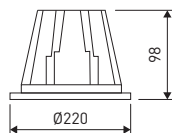
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12W 80° drill-hole Ø 120 control-gear EL 1500 lm 3000K <b>11.1546.3158.33</b> 4000K <b>11.1546.4158.33</b>	12W 80° drill-hole Ø 120 control-gear ELD 1500 lm 3000K <b>11.1546.3150.33</b> 4000K <b>11.1546.4150.33</b>	12W 80° drill-hole Ø 120 control-gear ELDD 1500 lm 3000K <b>11.1546.3151.33</b> 4000K <b>11.1546.4151.33</b>



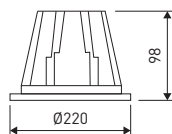
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21W 80° drill-hole Ø 175 control-gear EL 3000 lm 3000K <b>11.1546.3248.33</b> 4000K <b>11.1546.4248.33</b>	21W 80° drill-hole Ø 175 control-gear ELD 3000 lm 3000K <b>11.1546.3240.33</b> 4000K <b>11.1546.4240.33</b>	21W 80° drill-hole Ø 175 control-gear ELDD 3000 lm 3000K <b>11.1546.3241.33</b> 4000K <b>11.1546.4241.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22W 80° drill-hole Ø 200 control-gear EL 3100 lm 3000K <b>11.1546.3258.33</b> 4000K <b>11.1546.4258.33</b>	22W 80° drill-hole Ø 200 control-gear ELD 3100 lm 3000K <b>11.1546.3250.33</b> 4000K <b>11.1546.4250.33</b>	22W 80° drill-hole Ø 200 control-gear ELDD 3100 lm 3000K <b>11.1546.3251.33</b> 4000K <b>11.1546.4251.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
30W 80° drill-hole Ø 200 control-gear EL 4500 lm 3000K <b>11.1546.3358.33</b> 4000K <b>11.1546.4358.33</b>	30W 80° drill-hole Ø 200 control-gear ELD 4500 lm 3000K <b>11.1546.3350.33</b> 4000K <b>11.1546.4350.33</b>	30W 80° drill-hole Ø 200 control-gear ELDD 4500 lm 3000K <b>11.1546.3351.33</b> 4000K <b>11.1546.4351.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
38W 80° drill-hole Ø 200 control-gear EL 5100 lm 3000K <b>11.1546.3428.33</b> 4000K <b>11.1546.4428.33</b>	38W 80° drill-hole Ø 200 control-gear ELD 5100 lm 3000K <b>11.1546.3420.33</b> 4000K <b>11.1546.4420.33</b>	38W 80° drill-hole Ø 200 control-gear ELDD 5100 lm 3000K <b>11.1546.3421.33</b> 4000K <b>11.1546.4421.33</b>



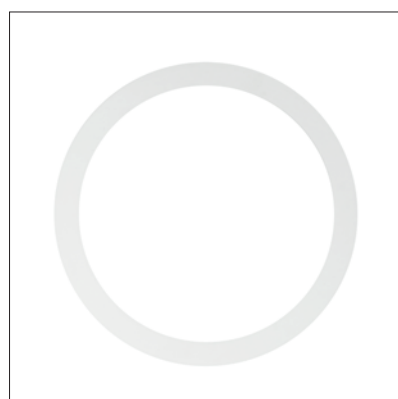
Recessed LED downlight with minimum consumption and low embedment level. An optimal solution for functional applications of general lighting in offices, back rooms, passing areas, stairways ...

**Features**

Downlights with body made of polycarbonate.  
Opal diffuser.

**Installation**

Recessed ceiling installation.



**Power**

LED 4,5W, 13W, 20W

**Beam**

90°, 100°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

4.5W - 500 lm, 13W - 1600 lm, 20W - 2300 lm

**Control gear**

Electronic (EL)

**IP**

IP 20

**Finishes**

White (33)

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Recessed ceiling

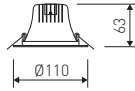
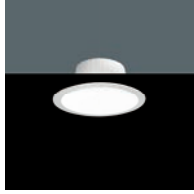
## Features



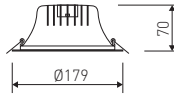
LED



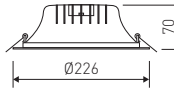
LED and control gear included



□  
4,5W  
100°  
drill-hole Ø90  
control gear EL  
500 lm  
4000K **11.1525.0008.33**



□  
13W  
100°  
drill-hole Ø150  
control gear EL  
1600 lm  
4000K **11.1525.0010.33**



□  
20W  
90°  
drill-hole Ø200  
control gear EL  
2300 lm  
4000K **11.1525.0005.33**



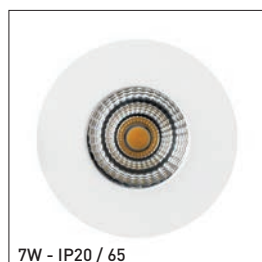
Adjustable recessed LED downlight aimed at a professional audience looking for a degree of differentiation. Suitable for commercial, domestic spaces, or corporate headquarters seeking differential attributes such as energy saving, small size lights, durability and a perfect light beam.

**Features**

Downlight built with a die-cast aluminium body, injected aluminium diffuser. Cardan rotation system adjustable 30 degrees in two directions  
High-quality aluminium reflectors. Latest generation LEDs driver included. 1-10V and DALI dimmable versions available.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



7W - IP20 / 65



7W - IP20 / 44



13W, 18W, 25W, 32W - IP20 / 44

**Power**

LED 7W, 13W, 18W, 25W, 32W

**Beam**

LED 7W 20°, 40°, 50°  
LED 13W 15°, 24°, 36°  
LED 18W 15°, 24°, 36°  
LED 25W 15°, 24°, 36°  
LED 32W 15°, 24°, 36°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80

**Nominal lumen output**

7W - 650 lm, 13W - 1600 lm,  
18W - 2300 lm, 25W - 3100 lm, 32W - 4200 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer (ELD)  
Electronic Dimmer DALI (ELDD)

**IP**

IP 20 / 44 - LED 7W  
IP 20 / 65 - LED 7W  
IP 20 / 44 - LED 13W, 18W, 25W, 32W

**Finishes**

White

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Recessed ceiling

Features

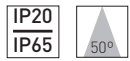


Finishes

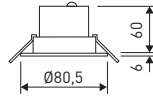


To complete the product reference, add finish

LED



LED and control gear included

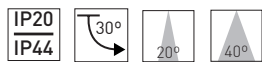


□  
7W  
50°  
drill-hole Ø70  
control gear EL  
650 lm  
3000K **11.0147.1311.33**  
4000K **11.0147.1411.33**

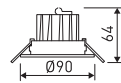
□  
7W  
50°  
drill-hole Ø70  
control gear ELD  
650 lm  
3000K **11.0147.1312.33**  
4000K **11.0147.1412.33**

7W  
50°  
drill-hole Ø70  
control gear ELDD  
650 lm  
3000K **11.0147.1313.33**  
4000K **11.0147.1413.33**

LED



LED and control gear included



□  
7W  
20°  
drill-hole Ø76  
control gear EL  
650 lm  
3000K **0147L/8320/33**  
4000K **0147L/8420/33**

□  
7W  
20°  
drill-hole Ø76  
control gear ELD  
650 lm  
3000K **0147L/8320D/33**  
4000K **0147L/8420D/33**

□  
7W  
20°  
drill-hole Ø76  
control gear ELDD  
650 lm  
3000K **0147L/8320DD/33**  
4000K **0147L/8420DD/33**

7W  
40°  
drill-hole Ø76  
control gear EL  
650 lm  
3000K **0147L/8340/33**  
4000K **0147L/8440/33**

7W  
40°  
drill-hole Ø76  
control gear ELD  
650 lm  
3000K **0147L/8340D/33**  
4000K **0147L/8440D/33**

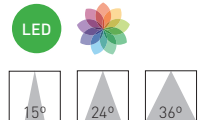
7W  
40°  
drill-hole Ø76  
control gear ELDD  
650 lm  
3000K **0147L/8340DD/33**  
4000K **0147L/8440DD/33**

Features

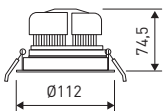


Versions:

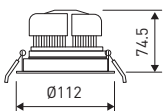
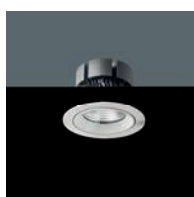
Special LED versions on request  
DIMMER versions on request (ELD)  
DIMMER DALI versions on request (ELDD)  
2700K and 5000K versions on request



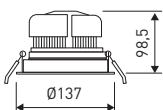
LED and control gear included



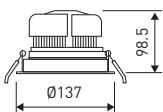
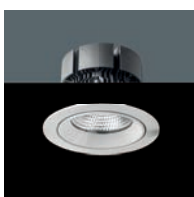
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13W	13W	13W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
1600 lm	1600 lm	1600 lm
3000K <b>11.1604.2831.33</b>	3000K <b>11.1604.2833.33</b>	3000K <b>11.1604.2835.33</b>
4000K <b>11.1604.2841.33</b>	4000K <b>11.1604.2843.33</b>	4000K <b>11.1604.2845.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18W	18W	18W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
2300 lm	2300 lm	2300 lm
3000K <b>11.1604.3831.33</b>	3000K <b>11.1604.3833.33</b>	3000K <b>11.1604.3835.33</b>
4000K <b>11.1604.3841.33</b>	4000K <b>11.1604.3843.33</b>	4000K <b>11.1604.3845.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25W	25W	25W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
3100 lm	3100 lm	3100 lm
3000K <b>11.1604.4831.33</b>	3000K <b>11.1604.4833.33</b>	3000K <b>11.1604.4835.33</b>
4000K <b>11.1604.4841.33</b>	4000K <b>11.1604.4843.33</b>	4000K <b>11.1604.4845.33</b>



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32W	32W	32W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
4200 lm	4200 lm	4200 lm
3000K <b>11.1604.5831.33</b>	3000K <b>11.1604.5833.33</b>	3000K <b>11.1604.5835.33</b>
4000K <b>11.1604.5841.33</b>	4000K <b>11.1604.5843.33</b>	4000K <b>11.1604.5845.33</b>

Reference options

11.1604.2813.33



11.1604.     .33

- |        |              |               |        |
|--------|--------------|---------------|--------|
| 2- 13W | 8- On/Off    | 0- Fashion    | 1- 15° |
| 3- 18W | 2- Dim 1-10V | 1- Vegetables | 3- 24° |
| 4- 25W | 3- DALI      | 2- 2700K      | 5- 36° |
| 5- 32W |              | 3- 3000K      |        |
|        |              | 4- 4000K      |        |
|        |              | 5- 5000K      |        |
|        |              | 6- Meat       |        |
|        |              | 7- Sausages   |        |
|        |              | 8- Fish       |        |
|        |              | 9- Bakery     |        |



Saam office, Chile.  
Picture from Contract Workplaces.

# IN

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SURFACE LINEARS p. 204

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LINEALED p. 246

HEALTH & CARE p. 262

# 3

## RECESSED LUMINAIRES



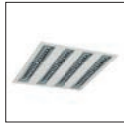
Smartpanel  
p. 160



Panel  
p. 162



Backlite  
p. 166



Led Louver  
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Soft Light  
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Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

**Features**

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate. Several formats: 600x600, 1200x300 and 1200x600.

**Installation**

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories)



**Power**

LED 31W

**Beam**

116°

**Colour temperature**

Tuneable white allows Colour Temperature variation among 2700K and 6500K - CRI ≥ 80

**Nominal lumen output**

31W - 4800 lm

**Control gear**

Bluetooth dimmable electronic driver allows flux variation from 10% to 100%

**IP**

IP44/20

**Finishes**

White (33)

**Supply voltage**

220... 230V, 50/60Hz

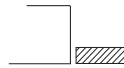
**Installation**

Recessed ceiling

**Accessories**

- Accessory for recessed installation in plaster ceilings
- Accessory for surface ceiling installation
- Accessory for ceiling hanging

Features

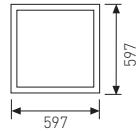


15mm. visible profile  
25mm. visible profile

LED

Opal

LED and control gear included



□  
31W  
116°  
profile 600x600  
control-gear ELD  
4800 lm  
2700K-6500K **11.1840.1801.33**

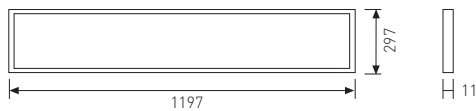
LED

Opal

LED and control gear included

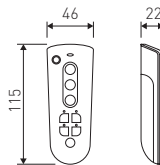


□  
31W  
116°  
profile 300x1200  
control-gear ELD  
4800 lm  
2700K-6500K **11.1840.2801.33**



Accessories

Remote control  
**11.1840.0001.00**

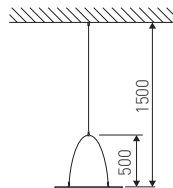


□  
accessory for installation on surface  
600x600  
**11.1615.0001.33**

□  
accessory for installation on surface  
300x1200  
**11.1615.0002.33**

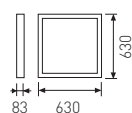
□  
Hanging installation 300 x 1200  
(with frame)  
**11.1615.0012.33**

□  
accessory for installation on suspended  
**40/L/S/21**

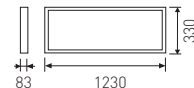


Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Taladro 610 x 610  
**007/6060**



Taladro 1210 x 310  
**007/12030**



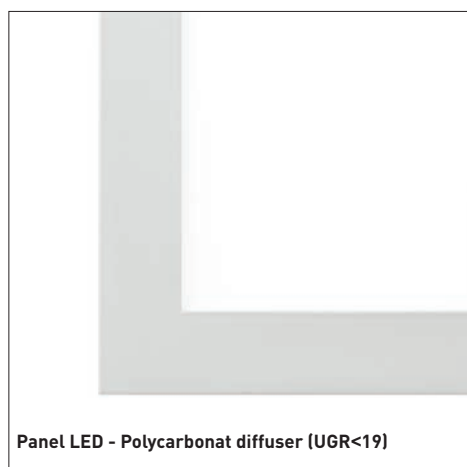
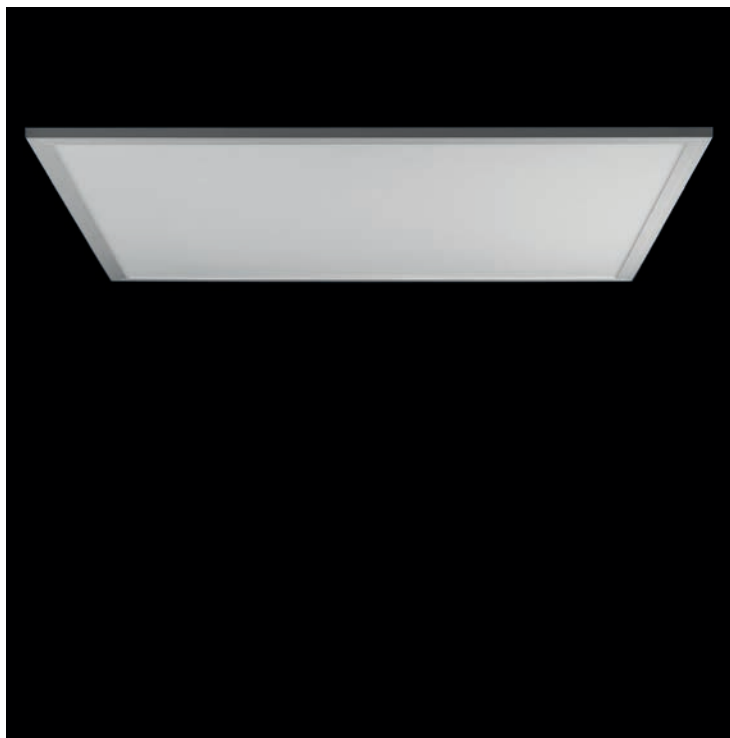
Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

**Features**

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate diffuser (UGR < 19). Several formats: 600x600, 1200x300 and 1200x600.

**Installation**

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).



**Power**

LED 36W, 62W

**Beam**

90° (microprismatic), 120° (opal)

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

36W - 4800 lm, 62W - 7800 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Electronic Dimmer DALI (ELDD) + Emergency under deman

**IP**

IP44/20

**Finishes**

White (33)

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Recessed ceiling

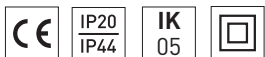
**Accessories**

Accessory for recessed installation in plaster ceilings

Accessory for surface ceiling installation

Accessory for ceiling hanging

Features



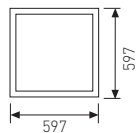
15mm. visible profile  
25mm. visible profile

Possibility of doing other versions on request: Emergency

LED UGR <19 90°

Polycarbonat diffuser

LED and control gear included

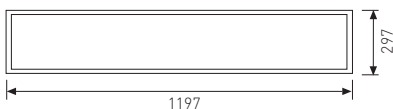
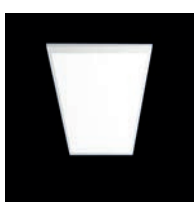


□	□	□
36W 120° profile 600x600 control-gear EL 4800 lm 3000K <b>11.0040.1311.33</b> 4000K <b>11.0040.1411.33</b>	36W 120° profile 600x600 control-gear ELD 4800 lm 3000K <b>11.0040.1312.33</b> 4000K <b>11.0040.1412.33</b>	36W 120° profile 600x600 control-gear ELDD 4800 lm 3000K <b>11.0040.1313.33</b> 4000K <b>11.0040.1413.33</b>

LED UGR <19 90°

Polycarbonat diffuser

LED and control gear included

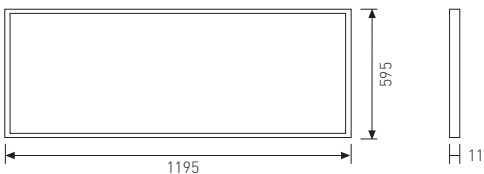


□	□	□
36W 120° profile 300x1200 control-gear EL 4800 lm 3000K <b>11.0040.2311.33</b> 4000K <b>11.0040.2411.33</b>	36W 120° profile 300x1200 control-gear ELD 4800 lm 3000K <b>11.0040.2312.33</b> 4000K <b>11.0040.2412.33</b>	36W 120° profile 300x1200 control-gear ELDD 4800 lm 3000K <b>11.0040.2313.33</b> 4000K <b>11.0040.2413.33</b>

LED UGR <19 90°

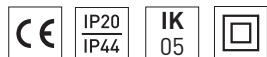
Polycarbonat diffuser

LED and control gear included



□	□	□
62W 120° profile 600x1200 control-gear EL 7800 lm 3000K <b>11.0040.3311.33</b> 4000K <b>11.0040.3411.33</b>	62W 120° profile 600x1200 control-gear ELD 7800 lm 3000K <b>11.0040.3312.33</b> 4000K <b>11.0040.3412.33</b>	62W 120° profile 600x1200 control-gear ELDD 7800 lm 3000K <b>11.0040.3313.33</b> 4000K <b>11.0040.3413.33</b>

Features



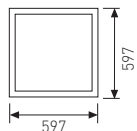
15mm. visible profile  
25mm. visible profile

Possibility of doing other versions on request: Emergency



Opal diffuser

LED and control gear included

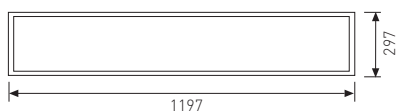
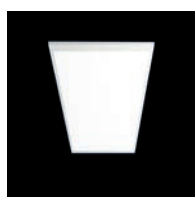


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36W 120° profile 600x600 control-gear EL 4800 lm 3000K <b>11.0040.1301.33</b> 4000K <b>11.0040.1401.33</b>	36W 120° profile 600x600 control-gear ELD 4800 lm 3000K <b>11.0040.1302.33</b> 4000K <b>11.0040.1402.33</b>	36W 120° profile 600x600 control-gear ELDD 4800 lm 3000K <b>11.0040.1303.33</b> 4000K <b>11.0040.1403.33</b>



Opal diffuser

LED and control gear included

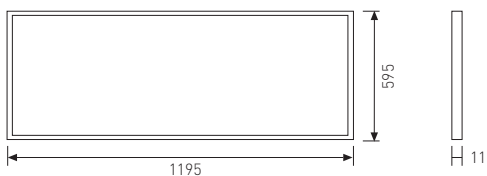


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36W 120° profile 300x1200 control-gear EL 4800 lm 3000K <b>11.0040.2301.33</b> 4000K <b>11.0040.2401.33</b>	36W 120° profile 300x1200 control-gear ELD 4800 lm 3000K <b>11.0040.2302.33</b> 4000K <b>11.0040.2402.33</b>	36W 120° profile 300x1200 control-gear ELDD 4800 lm 3000K <b>11.0040.1303.33</b> 4000K <b>11.0040.2403.33</b>



Opal diffuser

LED and control gear included



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62W 120° profile 600x1200 control-gear EL 7800 lm 3000K <b>11.0040.3301.33</b> 4000K <b>11.0040.3401.33</b>	62W 120° profile 600x1200 control-gear ELD 7800 lm 3000K <b>11.0040.3302.33</b> 4000K <b>11.0040.3402.33</b>	62W 120° profile 600x1200 control-gear ELDD 7800 lm 3000K <b>11.0040.3303.33</b> 4000K <b>11.0040.3403.33</b>

**Accessories**



accessory for installation on surface  
600x600  
**11.1615.0001.33**



accessory for installation on surface  
300x1200  
**11.1615.0002.33**

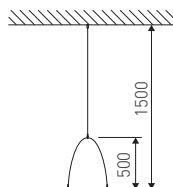


accessory for installation on surface  
600x1200  
**11.1615.0003.33**

Installation clamps for plaster ceilings  
600x600x50  
**11.1615.0014.00**



accessory for installation on suspended  
**40/L/S/21**



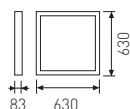
Installation on suspended  
300 x 1200 (con marco)  
**11.1615.0012.33**



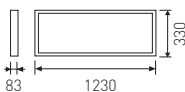
Installation on suspended  
600 x 1200 (con marco)  
**11.1615.0013.33**

Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

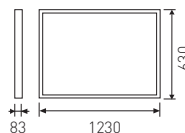
drill 610 x 610  
**007/6060**



drill 1210 x 310  
**007/12030**



drill 1210x610  
**007/12060**



Security wire for recessing installations  
**11.0040.0001.00**

Backlite is a TROLL's proposal for general lighting applications. It is a design with overhead LED light sources and opal diffuser to optimize the light distribution among the space. TROLL's Backlite series offers efficient and functional and long-life solution to illuminate commercial areas and working areas.

**Installation**

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).



**Power**

LED 35W

**Beam**

114°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80

**Nominal lumen output**

35W - 4800 lm

**Control gear**

Electronic (EL)

**IP**

IP44/20

**Finishes**

White (33)

**Supply voltage**

220... 230V, 50/60Hz

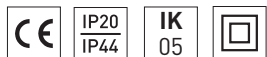
**Installation**

Recessed ceiling

**Accessories**

Accessory for recessed installation in plaster ceilings

## Features

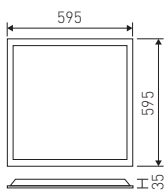
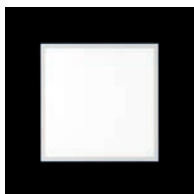


15mm. visible profile  
25mm. visible profile

LED

Opal diffuser

LED and control gear included

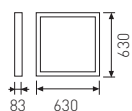


35W  
114°  
profile 600x600  
control-gear EL  
4800 lm  
3000K **11.1847.1301.33**  
4000K **11.1847.1401.33**

## Accessories

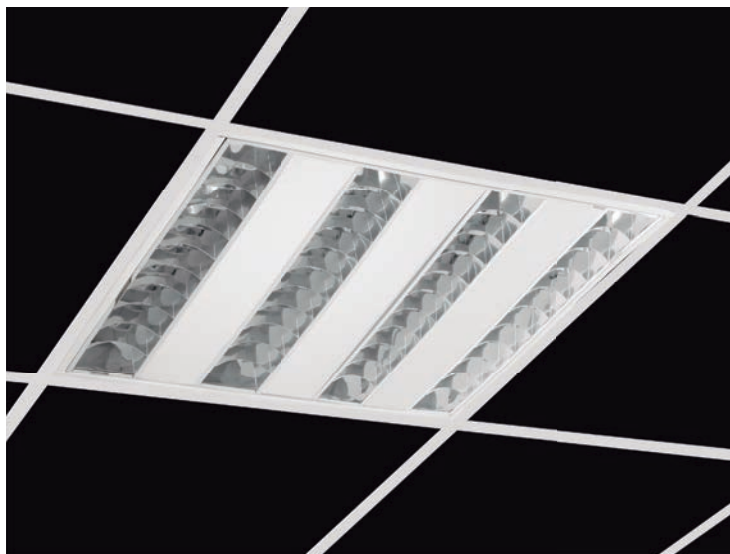
Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Drill 610 x 610  
**007/6060**





Versatility of installation in various types of ceilings, the luminaire range has high performance and a wide choice of models and reflectors for looks and visual comfort.



**Power**

LED 36W, 72W

**Beam**

72° Profile - Versatile

**Colour temperature**

3000K warm white - CRI  $\geq$  80  
4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

36W - 5280 lm, 72W - 10000 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer (ELD)  
Electronic Dimmer DALI (ELDD)

**IP**

IP20

**Finishes**

White (33)

**Supply voltage**

220... 240V, 50/60Hz

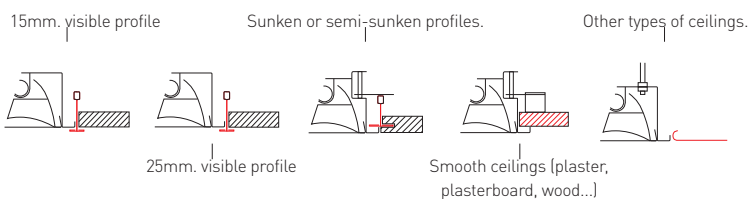
**Installation**

Recessed ceiling

**Accessories**

Accessory for recessed installation in plaster ceilings

Steel housing, painted white. Minimum height of housing 57 mm. Choice of optical systems as required. Adapts to most conventional ceilings, both modular and smooth non-modular.

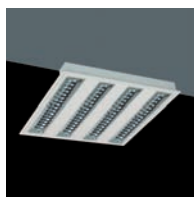


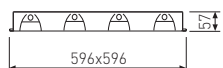
Features

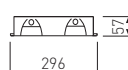


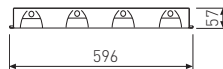
Installation clamps / Anchors (unicorporated)

LED  
72°  
Double parabolic louver  
LED and control gear included



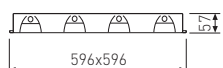
	36W 72° drill 585x585 control-gear EL 5280 lm 3000K <b>731L/4883P/33</b> 4000K <b>731L/4884P/33</b>	36W 72° drill 585x585 control-gear ELD 5280 lm 3000K <b>731L/4883DP/33</b> 4000K <b>731L/4884DP/33</b>	36W 72° drill 585x585 control-gear ELDD 5280 lm 3000K <b>731L/4883DDP/33</b> 4000K <b>731L/4884DDP/33</b>
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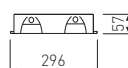
	36W 72° drill 296x1196 control-gear EL 5280 lm 3000K <b>731L/5883P/33</b> 4000K <b>731L/5884P/33</b>	36W 72° drill 296x1196 control-gear ELD 5280 lm 3000K <b>731L/5883DP/33</b> 4000K <b>731L/5884DP/33</b>	36W 72° drill 296x1196 control-gear ELDD 5280 lm 3000K <b>731L/5883DDP/33</b> 4000K <b>731L/5884DDP/33</b>
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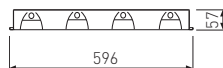
	72W 72° drill 585x1196 control-gear EL 10000 lm 3000K <b>731L/6883P/33</b> 4000K <b>731L/6884P/33</b>	72W 72° drill 585x1196 control-gear ELD 10000 lm 3000K <b>731L/6883DP/33</b> 4000K <b>731L/6884DP/33</b>	72W 72° drill 585x1196 control-gear ELDD 10000 lm 3000K <b>731L/6883DDP/33</b> 4000K <b>731L/6884DDP/33</b>
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LED  
72°  
UGR <19  
Double parabolic louver  
LED and control gear included



	36W 72° drill 585x585 control-gear EL 5280 lm 3000K <b>731L/4883PU/33</b> 4000K <b>731L/4884PU/33</b>	36W 72° drill 585x585 control-gear ELD 5280 lm 3000K <b>731L/4883DPU/33</b> 4000K <b>731L/4884DPU/33</b>	36W 72° drill 585x585 control-gear ELDD 5280 lm 3000K <b>731L/4883DDPU/33</b> 4000K <b>731L/4884DDPU/33</b>
---	---	--	---

	36W 72° drill 296x1196 control-gear EL 5280 lm 3000K <b>731L/5883PU/33</b> 4000K <b>731L/5884PU/33</b>	36W 72° drill 296x1196 control-gear ELD 5280 lm 3000K <b>731L/5883DPU/33</b> 4000K <b>731L/5884DPU/33</b>	36W 72° drill 296x1196 control-gear ELDD 5280 lm 3000K <b>731L/5883DDPU/33</b> 4000K <b>731L/5884DDPU/33</b>
---	--	---	--

	72W 72° drill 585x1196 control-gear EL 10000 lm 3000K <b>731L/6883PU/33</b> 4000K <b>731L/6884PU/33</b>	72W 72° drill 585x1196 control-gear ELD 10000 lm 3000K <b>731L/6883DPU/33</b> 4000K <b>731L/6884DPU/33</b>	72W 72° drill 585x1196 control-gear ELDD 10000 lm 3000K <b>731L/6883DDPU/33</b> 4000K <b>731L/6884DDPU/33</b>
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Ceiling



**11T5**  
Ceiling adaptor.  
4 units included.

Softlight is a new range of LED luminaires with excellent control of brightness to provide great visual comfort. Its characteristic design has made it an icon in fluorescent lighting, capable of exceptionally high performance.

**Features**

Steel housing. Painted white. Double parabolic aluminium with textured microlinear opal diffuser. Installation invisible ceilings and also in smooth non-modular with adapter frame.



Luxiona, Spain

**Power**

LED 15W - 30W

**Beam**

90°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

2700K - 6500K tuneable white

**Nominal lumen output**

15W - 2600 lm, 30W - 4400 lm

**Control gear**

Electronic (EL)

Electronic Dimmer DALI (ELDD)

**IP**

IP20 / 40

**Supply voltage**

220...240V, 50/60Hz

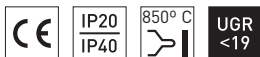
**Installation**


Installation invisible ceilings

**Accessories**

Accessory for recessed installation in plaster ceilings

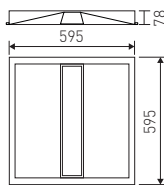
Features



LED 

Microprismatic diffuser

LED and control gear included





15W  
90°  
control gear EL  
drill 600x600  
2600 lm  
3000K **11.1805.2301.33**  
4000K **11.1805.2401.33**

15W  
90°  
control gear ELDD  
drill 600x600  
2600 lm  
3000K **11.1805.2303.33**  
4000K **11.1805.2403.33**

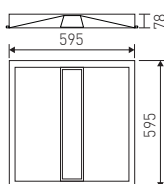
30W  
90°  
control gear EL  
drill 600x600  
4400 lm  
3000K **11.1805.4301.33**  
4000K **11.1805.4401.33**

30W  
90°  
control gear ELDD  
drill 600x600  
4400 lm  
3000K **11.1805.4303.33**  
4000K **11.1805.4403.33**

LED  

Microprismatic diffuser

LED and control gear included

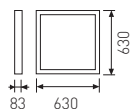


30W  
90°  
control gear TW  
drill 600x600  
4400 lm  
2700K - 5000K **AG01ADIL44TWAML**

Accessories

Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Drill 610 x 610  
**007/6060**



# IN

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RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

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SURFACE LINEARS p. 204

WALL SCONCES p. 224

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# 4

## RECESSED LINEARS



Essence  
p. 174



X-Line  
p. 176

The concept of Essence is based on a minimalist and versatile design for complete integration into the surroundings. Luminaires designed LED, making the most of its small size to achieve a compact and reduced look.

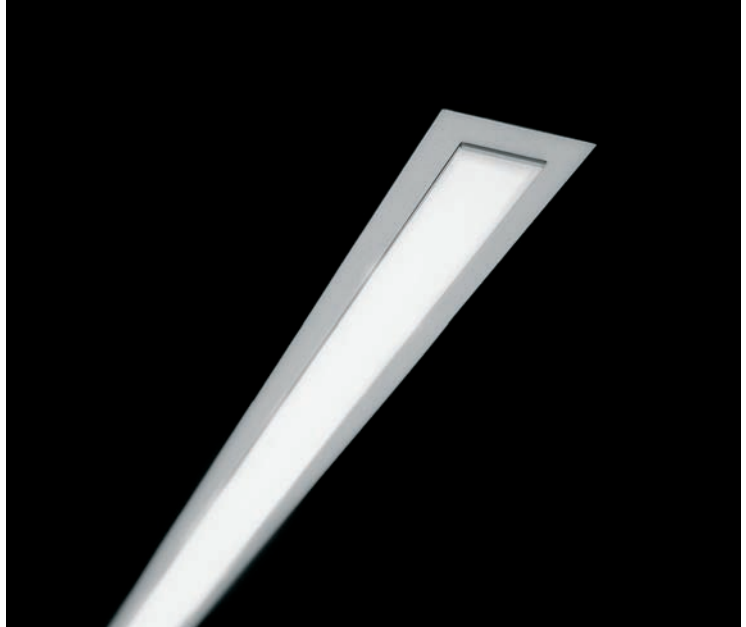
### Features

Last generation LEDs that offers us a high performance and efficiency.

A simple system has been designed, which makes different possibilities of assemble, offering a complete program of a different size modules to adapt according to project needs, either through modest lights or making continuous lines.

### Application

Luminaire designed for office environments, conference rooms and meetings.



AGP, Perú

#### Power

Recessed 13W, 27W, 54W

#### Beam

75°

#### Colour temperature

3000K warm white – CRI 80

4000K neutral white – CRI 80

2700K - 5000K tuneable white on demand

#### Nominal lumen output

13W - 1800 lm, 27W - 3600 lm, 40W - 5300 lm

#### Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

#### IP

IP40

#### Finishes

White (63)

#### Finishes

220... 240V, 50/60Hz

#### Installation

Recessed in ceilings or wall individually or continuous line

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



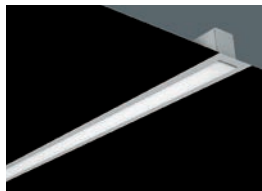
Versions:

Tuneable white versions from 2700K to 5000K on request

Recessed in wall or ceiling individuelles or in continuous line



LED and control gear included



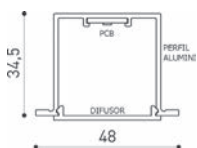
13W  
75°  
drill 40x560  
control-gear EL  
1800 lm  
3000K **11.1671.4603.63**  
4000K **11.1671.4604.63**



13W  
75°  
drill 40x560  
control-gear ELD  
1800 lm  
3000K **11.1671.4607.63**  
4000K **11.1671.4608.63**



13W  
75°  
drill 40x560  
control-gear ELDD  
1800 lm  
3000K **11.1671.4611.63**  
4000K **11.1671.4612.63**



13W L = 560  
27W L = 1120  
40W L = 1680



27W  
75°  
drill 40X1120  
control-gear EL  
3600 lm  
3000K **11.1671.4203.63**  
4000K **11.1671.4204.63**



27W  
75°  
drill 40X1120  
control-gear ELD  
3600 lm  
3000K **11.1671.4207.63**  
4000K **11.1671.4208.63**



27W  
75°  
drill 40X1120  
control-gear ELDD  
3600 lm  
3000K **11.1671.4211.63**  
4000K **11.1671.4212.63**



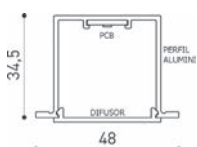
40W  
75°  
drill 40x1680  
control-gear EL  
5300 lm  
3000K **11.1671.4403.63**  
4000K **11.1671.4404.63**



40W  
75°  
drill 40x1680  
control-gear ELD  
5300 lm  
3000K **11.1671.4407.63**  
4000K **11.1671.4408.63**



40W  
75°  
drill40x1680  
control-gear ELDD  
5300 lm  
3000K **11.1671.4411.63**  
4000K **11.1671.4412.63**



L = 560 x 560



27W  
75°  
corner drill 90° 560x560  
control-gear EL  
3600 lm  
3000K **11.1671.4903.63**  
4000K **11.1671.4904.63**



27W  
75°  
corner drill 90° 560x560  
control-gear ELD  
3600 lm  
3000K **11.1671.4907.63**  
4000K **11.1671.4908.63**

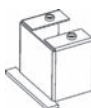


27W  
75°  
corner drill 90° 560x560  
control-gear ELDD  
3600 lm  
3000K **11.1671.4911.63**  
4000K **11.1671.4912.63**

End caps



End caps for recessed versions  
**11.1671.4005.63**



Aligner

Continuous line aligner for recessed versions ON/OFF  
**11.1671.4003.00**

90° wall-ceiling corner  
**11.1671.4006**

Continuous line aligner for recessed versions DALI  
**11.1671.4004.00**





Luminaires for arranging in continuous straight lines, but that can also be installed independently.

The combination of reflectors, symmetrical, asymmetric or wallwasher, enable the appropriate level of lighting to be achieved, either general or a wash of vertical planes (walls, murals...).

#### Features

Steel housing, finished in white. Optics in specular and semi-specular anodised aluminium. Opal diffuser (PMMA). Lamp and control gear included.

#### Fitting

Multi-purpose luminaires for recessing into smooth ceilings, in continuous lines or as independent units. Also for installation of ceilings with 15 mm visible profile. This involves making a continuous cut-out without cross pieces.



#### Power

LED 17W, 21W, 26W, 28W, 35W, 42W

#### Beam

LED 80°

#### Colour temperature

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

17W - 2600 lm, 21W - 3250 lm, 26W - 3900 lm, 28W - 4400 lm,  
35W - 5500 lm, 42W - 6600 lm

#### Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD) on demand

#### IP

IP20

#### Finishes

Aluminio anodizado

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Recessed ceiling

#### Accessories

"T", "L" and "+" connectors on demand

Features



Finishes



Versions:

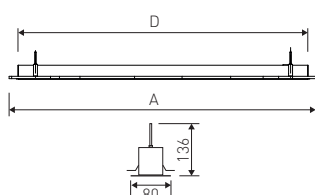
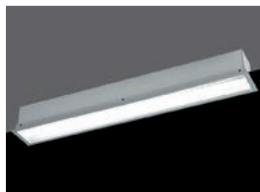
DIMMER versions on request

**SINGLE** module



Opal difuser

LED and control gear included



2600 lm / L=1200	A=1142 - D=1125
4400 lm / L=1200	A=1142 - D=1125
3250 lm / L=1500	A=1422 - D=1405
5500 lm / L=1500	A=1422 - D=1405
3900 lm / L=1700	A=1702 - D=1685
6600 lm / L=1700	A=1702 - D=1685

17W  
80°  
drill 1132x70  
control gear EL  
2600 lm  
4000K **AG0E1XLLG26AMIC**

28W  
80°  
drill 1132x70  
control gear EL  
4400 lm  
4000K **AG0E1XLLG44AMIC**

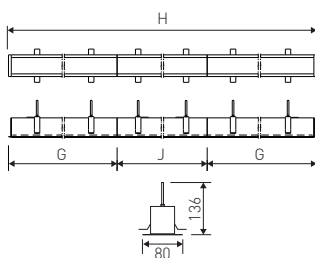
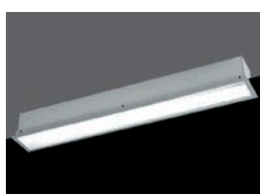
21W  
80°  
drill 1412x70  
control gear EL  
3250 lm  
4000K **AG0E1XLLG325AMIC**

35W  
80°  
drill 1412x70  
control gear EL  
5500 lm  
4000K **AG0E1XLLG55AMIC**

26W  
80°  
drill 1692x70  
control gear EL  
3900 lm  
4000K **AG0E1XLLG39AMIC**

42W  
80°  
drill 1692x70  
control gear EL  
6600 lm  
4000K **AG0E1XLLG66AMIC**

Module for **CONTINUOUS LINES**



2600 lm / L=1200	G=1132 - H=3386 - J=1122
4400 lm / L=1200	G=1132 - H=3386 - J=1122
3250 lm / L=1500	G=1412 - H=4226 - J=1402
5500 lm / L=1500	G=1412 - H=4226 - J=1402
3900 lm / L=1700	G=1692 - H=5066 - J=1682
6600 lm / L=1700	G=1692 - H=5066 - J=1682

17W  
80°  
drill 1127x70  
control gear EL  
2600 lm  
4000K **AG0E1XLLAG26AMIC**

17W  
80°  
drill 1122x70  
control gear EL  
2600 lm  
4000K **AG0E1XLLCG26AMIC**

17W  
80°  
drill 1127x70  
control gear EL  
2600 lm  
4000K **AG0E1XLLBG26AMIC**

28W  
80°  
drill 1127x70  
control gear EL  
4400 lm  
4000K **AG0E1XLLAG44AMIC**

28W  
80°  
drill 1122x70  
control gear EL  
4400 lm  
4000K **AG0E1XLLCG44AMIC**

28W  
80°  
drill 1127x70  
control gear EL  
4400 lm  
4000K **AG0E1XLLBG44AMIC**

21W  
80°  
drill 1407x70  
control gear EL  
3250 lm  
4000K **AG0E1XLLAG325AMIC**

21W  
80°  
drill 1402x70  
control gear EL  
3250 lm  
4000K **AG0E1XLLCG325AMIC**

21W  
80°  
drill 1407x70  
control gear EL  
3250 lm  
4000K **AG0E1XLLBG325AMIC**

35W  
80°  
drill 1407x70  
control gear EL  
5500 lm  
4000K **AG0E1XLLAG55AMIC**

35W  
80°  
drill 1402x70  
control gear EL  
5500 lm  
4000K **AG0E1XLLCG55AMIC**

35W  
80°  
drill 1407x70  
control gear EL  
5500 lm  
4000K **AG0E1XLLBG55AMIC**

26W  
80°  
drill 1687x70  
control gear EL  
3900 lm  
4000K **AG0E1XLLAG39AMIC**

26W  
80°  
drill 1682x70  
control gear EL  
3900 lm  
4000K **AG0E1XLLCG39AMIC**

26W  
80°  
drill 1687x70  
control gear EL  
3900 lm  
4000K **AG0E1XLLBG39AMIC**

Accessories

Continuous line aligner  
**AG0E1XLL-SLED**

42W  
80°  
drill 1687x70  
control gear EL  
6600 lm  
4000K **AG0E1XLLAG66AMIC**

42W  
80°  
drill 1682x70  
control gear EL  
6600 lm  
4000K **AG0E1XLLCG66AMIC**

42W  
80°  
drill 1687x70  
control gear EL  
6600 lm  
4000K **AG0E1XLLBG66AMIC**

# IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

# 5

## SURFACE DOWNLIGHTS



Tubular  
p. 180

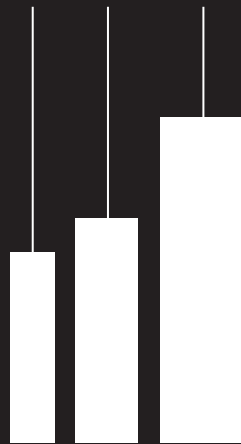


Pipe  
p. 188



Basic S  
p. 190

Tubular means minimalism, functionality and versatility Tubular is a TROLL design based on totally pure forms to dress spaces without altering them, but rather, collaborating in recreation of subtle ambiences, providing the necessary light to the environment in which it is set, and becoming fuse into the architectural stylish whole.





The pure form of a tube is used to create a range of hanging or surface luminaires for general lighting.

A wide variety of areas can be lit with Tubular: commercial, home, restaurants, hotels and many more where the look of the place is an important feature.

#### Features

Extruded aluminium housing, with micro-perforated metal disc in the upper part.

#### Fitting

Two installation options:

- Surface base (ON-OFF or DALI).
- Semi-recessed base (only ON-OFF).



#### Power

LED 7W, 13W, 17W, 25W, 37W

#### Beam

LED 12°, 24°, 36°

#### Colour temperature

2700K warm white - CRI ≥ 90

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

#### Nominal lumen output

7W - 1000 lm, 13W - 1600 lm, 17W - 2300 lm, 25W - 3000 lm, 37W - 4400 lm

#### Control gear

Electronic (EL)

Electronic Dimmer (ELD) - on demand

Electronic Dimmer DALI (ELDD) - on demand

#### IP

IP20

#### Finishes

Gold (02)

Anthracite (22)

White (63)

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Suspended

#### Accessories

Hanging models require a base-plate

Features



Finishes

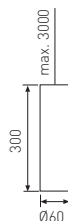
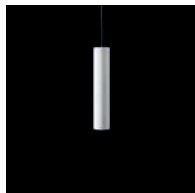


To complete the product reference, add finish

LED

ORANGE INSIDE

LED and control gear included



- 7W  
12°  
control gear EL  
1000 lm  
2700K **11.1645.1211**  
3000K **11.1645.1311**  
4000K **11.1645.1411**

- 7W  
24°  
control gear EL  
1000 lm  
2700K **11.1645.1221**  
3000K **11.1645.1321**  
4000K **11.1645.1421**

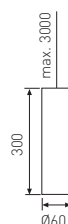
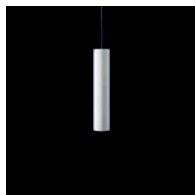
- 13W  
12°  
control gear EL  
1600 lm  
2700K **11.1645.4211**  
3000K **11.1645.4311**  
4000K **11.1645.4411**

- 13W  
24°  
control gear EL  
1600 lm  
2700K **11.1645.4221**  
3000K **11.1645.4321**  
4000K **11.1645.4421**

LED

BLACK INSIDE

LED and control gear included



- 7W  
12°  
control gear EL  
1000 lm  
2700K **11.1645.2211**  
3000K **11.1645.2311**  
4000K **11.1645.2411**

- 7W  
24°  
control gear EL  
1000 lm  
2700K **11.1645.2221**  
3000K **11.1645.2321**  
4000K **11.1645.2421**

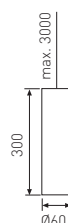
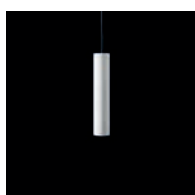
- 13W  
12°  
control gear EL  
1600 lm  
2700K **11.1645.5211**  
3000K **11.1645.5311**  
4000K **11.1645.5411**

- 13W  
24°  
control gear EL  
1600 lm  
2700K **11.1645.5221**  
3000K **11.1645.5321**  
4000K **11.1645.5421**

LED

GOLD INSIDE

LED and control gear included



- 7W  
12°  
control gear EL  
1000 lm  
2700K **11.1645.3211**  
3000K **11.1645.3311**  
4000K **11.1645.3411**

- 7W  
24°  
control gear EL  
1000 lm  
2700K **11.1645.3221**  
3000K **11.1645.3321**  
4000K **11.1645.3421**

- 13W  
12°  
control gear EL  
1600 lm  
2700K **11.1645.6211**  
3000K **11.1645.6311**  
4000K **11.1645.6411**

- 13W  
24°  
control gear EL  
1600 lm  
2700K **11.1645.6221**  
3000K **11.1645.6321**  
4000K **11.1645.6421**



Features



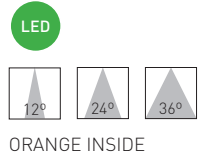
Finishes



To complete the product reference, add finish

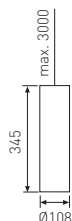
Versions:

DIMMER versions on request  
DIMMER DALI versions on request



ORANGE INSIDE

LED and control gear included



17W  
12°  
control gear EL  
2300 lm  
2700K **11.2645.1211**  
3000K **11.2645.1311**  
4000K **11.2645.1411**



17W  
24°  
control gear EL  
2300 lm  
2700K **11.2645.1221**  
3000K **11.2645.1321**  
4000K **11.2645.1421**



17W  
36°  
control gear EL  
2300 lm  
2700K **11.2645.1231**  
3000K **11.2645.1331**  
4000K **11.2645.1431**



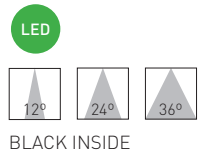
25W  
12°  
control gear EL  
3000 lm  
2700K **11.2645.4211**  
3000K **11.2645.4311**  
4000K **11.2645.4411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.2645.4221**  
3000K **11.2645.4321**  
4000K **11.2645.4421**

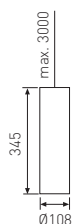


25W  
36°  
control gear EL  
3000 lm  
2700K **11.2645.4231**  
3000K **11.2645.4331**  
4000K **11.2645.4431**



BLACK INSIDE

LED and control gear included



17W  
12°  
control gear EL  
2300 lm  
2700K **11.2645.2211**  
3000K **11.2645.2311**  
4000K **11.2645.2411**



17W  
24°  
control gear EL  
2300 lm  
2700K **11.2645.2221**  
3000K **11.2645.2321**  
4000K **11.2645.2421**



17W  
36°  
control gear EL  
2300 lm  
2700K **11.2645.2231**  
3000K **11.2645.2331**  
4000K **11.2645.2431**



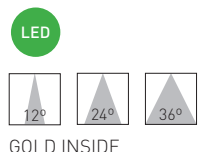
25W  
12°  
control gear EL  
3000 lm  
2700K **11.2645.5211**  
3000K **11.2645.5311**  
4000K **11.2645.5411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.2645.5221**  
3000K **11.2645.5321**  
4000K **11.2645.5421**

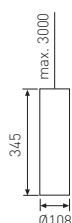


25W  
36°  
control gear EL  
3000 lm  
2700K **11.2645.5231**  
3000K **11.2645.5331**  
4000K **11.2645.5431**



GOLD INSIDE

LED and control gear included



17W  
12°  
control gear EL  
2300 lm  
2700K **11.2645.3211**  
3000K **11.2645.3311**  
4000K **11.2645.3411**



17W  
24°  
control gear EL  
2300 lm  
2700K **11.2645.3221**  
3000K **11.2645.3321**  
4000K **11.2645.3421**



17W  
36°  
control gear EL  
2300 lm  
2700K **11.2645.3231**  
3000K **11.2645.3331**  
4000K **11.2645.3431**



25W  
12°  
control gear EL  
3000 lm  
2700K **11.2645.6211**  
3000K **11.2645.6311**  
4000K **11.2645.6411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.2645.6221**  
3000K **11.2645.6321**  
4000K **11.2645.6421**



25W  
36°  
control gear EL  
3000 lm  
2700K **11.2645.6231**  
3000K **11.2645.6331**  
4000K **11.2645.6431**

Features



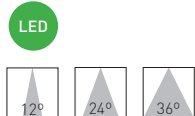
Finishes



To complete the product reference, add finish

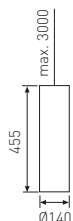
Versions:

DIMMER versions on request  
DIMMER DALI versions on request



ORANGE INSIDE

LED and control gear included



25W  
12°  
control gear EL  
3000 lm  
2700K **11.3645.1211**  
3000K **11.3645.1311**  
4000K **11.3645.1411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.3645.1221**  
3000K **11.3645.1321**  
4000K **11.3645.1421**

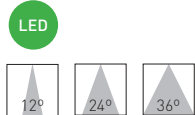


25W  
36°  
control gear EL  
3000 lm  
2700K **11.3645.1231**  
3000K **11.3645.1331**  
4000K **11.3645.1431**

37W  
12°  
control gear EL  
4400 lm  
2700K **11.3645.4211**  
3000K **11.3645.4311**  
4000K **11.3645.4411**

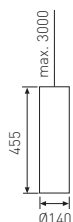
37W  
24°  
control gear EL  
4400 lm  
2700K **11.3645.4221**  
3000K **11.3645.4321**  
4000K **11.3645.4421**

37W  
36°  
control gear EL  
4400 lm  
2700K **11.3645.4231**  
3000K **11.3645.4331**  
4000K **11.3645.4431**



BLACK INSIDE

LED and control gear included



25W  
12°  
control gear EL  
3000 lm  
2700K **11.3645.2211**  
3000K **11.3645.2311**  
4000K **11.3645.2411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.3645.2221**  
3000K **11.3645.2321**  
4000K **11.3645.2421**

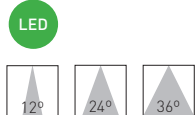


25W  
36°  
control gear EL  
3000 lm  
2700K **11.3645.2231**  
3000K **11.3645.2331**  
4000K **11.3645.2431**

37W  
12°  
control gear EL  
4400 lm  
2700K **11.3645.5211**  
3000K **11.3645.5311**  
4000K **11.3645.5411**

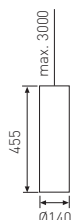
37W  
24°  
control gear EL  
4400 lm  
2700K **11.3645.5221**  
3000K **11.3645.5321**  
4000K **11.3645.5421**

37W  
36°  
control gear EL  
4400 lm  
2700K **11.3645.5231**  
3000K **11.3645.5331**  
4000K **11.3645.5431**



GOLD INSIDE

LED and control gear included



25W  
12°  
control gear EL  
3000 lm  
2700K **11.3645.3211**  
3000K **11.3645.3311**  
4000K **11.3645.3411**



25W  
24°  
control gear EL  
3000 lm  
2700K **11.3645.3221**  
3000K **11.3645.3321**  
4000K **11.3645.3421**



25W  
36°  
control gear EL  
3000 lm  
2700K **11.3645.3231**  
3000K **11.3645.3331**  
4000K **11.3645.3431**

37W  
12°  
control gear EL  
4400 lm  
2700K **11.3645.6211**  
3000K **11.3645.6311**  
4000K **11.3645.6411**

37W  
24°  
control gear EL  
4400 lm  
2700K **11.3645.6221**  
3000K **11.3645.6321**  
4000K **11.3645.6421**

37W  
36°  
control gear EL  
4400 lm  
2700K **11.3645.6231**  
3000K **11.3645.6331**  
4000K **11.3645.6431**

Finishes



To complete the product reference, add finish

Base



On-Off Surface Base  
Wire not included  
**11.1645.0001**



DALI Surface Base  
Wire not included  
**11.1645.0003**



On-Off Semi-recessed Base  
Wire not included  
**11.1645.0002**

Reference options

11.  645.

- 1- Ø60
- 2- Ø108
- 3- Ø140

- 1- orange inside / low power
- 2- black inside / low power
- 3- gold inside / low power
- 4- orange inside / high power
- 5- black inside / high power
- 6- gold inside / high power

- 2- 2700K
- 3- 3000K
- 4- 4000K

- 1- 12°
- 2- 24°
- 3- 36°\*\*

- 1- On-Off\*
- 2- Dimmer
- 3- DALI

- 02- gold
- 22- anthracite
- 63- white

Reference Example

**11.1645.4211.22**



\* - Small version only On / Off

\*\* - Small version only 12° and 24°



Crustó Bakery, El Corte Inglés Diagonal, Spain.  
Picture from Súpernormal Estudio Creativo.

Pipe is a downlights family for easy installation on ceilings surface, where, for technical or aesthetic reasons the luminaires cannot be recessed nor suspended. Pipe is based on pure forms to become integrated into the architectural environment providing at the same time functionality and efficiency. Pipe is designed in three different sizes suitable for different dimension spaces. Pipe uses last LEDs generation and high efficiency reflectors to provide general lighting to any architectural space. Pipe is an ideal solution for lighting lobbies, halls, offices, classrooms, corridors, stairs and in general all kinds of spaces where general lighting is required.



### Features

Luminaire body built in extruded aluminium. Optical system set high efficiency reflectors with different light distribution angles beam and last generation LEDs.



Mykita, Spain

#### Power

LED 7W, 25W, 31,5W

#### Beam

LED 12°, 24°, 36°, (60° bajo demanda)

#### Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

#### Nominal lumen output

7W - 960 lm, 25W - 3250 lm, 31,5W - 4300 lm

#### Control gear

Electronic (EL)

Electronic Dimmer (ELD) (under demand)

Electronic Dimmer DALI (ELDD) (under demand)

Emergency

#### IP

IP20

#### Finishes

White (63)

Black (04)

#### Supply voltage

220...230V, 50/60Hz

#### Installation

Ceiling surface installation

Features

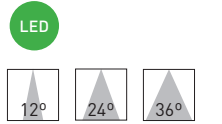


Finishes

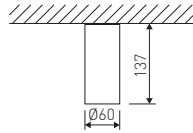


Versions:

1-10V and DALI dimmable versions on demand  
2700K and 5000K versions on demand



LED and control gear included



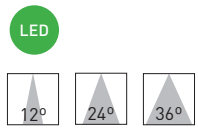
7W  
12°  
control gear EL  
960 lm  
3000K **11.1803.1311**  
4000K **11.1803.1411**



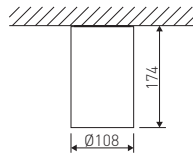
7W  
24°  
control gear EL  
960 lm  
3000K **11.1803.1321**  
4000K **11.1803.1421**



7W  
36°  
control gear EL  
960 lm  
3000K **11.1803.1331**  
4000K **11.1803.1431**



LED and control gear included



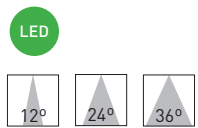
25W  
12°  
control gear EL  
3250 lm  
3000K **11.1803.2311**  
4000K **11.1803.2411**



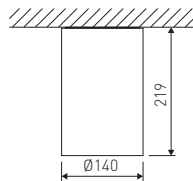
25W  
24°  
control gear EL  
3250 lm  
3000K **11.1803.2321**  
4000K **11.1803.2421**



25W  
36°  
control gear EL  
3250 lm  
3000K **11.1803.2331**  
4000K **11.1803.2431**



LED and control gear included



31,5W  
12°  
control gear EL  
4300 lm  
3000K **11.1803.3311**  
4000K **11.1803.3411**



31,5W  
24°  
control gear EL  
4300 lm  
3000K **11.1803.3321**  
4000K **11.1803.3421**



31,5W  
36°  
control gear EL  
4300 lm  
3000K **11.1803.3331**  
4000K **11.1803.3431**

Reference options

11.1803.1311.63



11.1803.



1- Ø60\*  
2- Ø108  
3- Ø140



2- 2700K  
3- 3000K  
4- 4000K  
5- 5000K



1- 12°  
2- 24°  
3- 36°  
4- 60°



1- On/Off  
2- 1-10V  
3- DALI



04- Black  
63- White

\*Note: Ø60 models cannot be dimmable

Low energy consumption surface Downlights. Great energy saving in general lighting applications. Integrated opal closing diffuser.

#### Features

Injected aluminium housing and trim. Polycarbonate diffuser. Round and square format.



#### Power

LED 7W, 22W

#### Beam

120°

#### Colour temperature

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

#### Nominal lumen output

Round 7W - 450 lm, 22W - 1838 lm

Square 7W - 426 lm, 22W - 1821 lm

#### Control gear

Electronic (EL)

#### IP

IP44

#### Finishes

White (33)

#### Supply voltage

220...240V, 50/60Hz

#### Installation

Surface

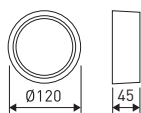
Features



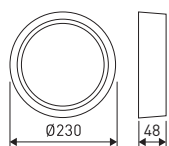
LED



LED and control gear included



□  
7W  
120°  
450 lm  
3000K **0250L/M183S/33**  
4000K **0250L/M184S/33**

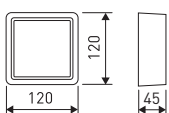


□  
22W  
120°  
1838 lm  
3000K **0250L/M383S/33**  
4000K **0250L/M384S/33**

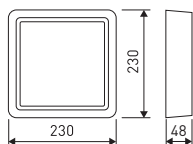
LED



LED and control gear included



□  
7W  
120°  
426 lm  
3000K **0450L/M183S/33**  
4000K **0450L/M184S/33**



□  
22W  
120°  
1821 lm  
3000K **0450L/M383S/33**  
4000K **0450L/M384S/33**



# IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

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# 6

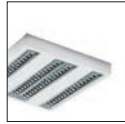
## SURFACE LUMINAIRES



Smartpanel  
p. 194



Panel  
p. 194



Ledlouver  
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Soft Light  
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Meteor  
p. 200



Lotos Elegance  
p. 202

Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

**Features**

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate diffuser. Several formats: 600x600, 1200x300 and 1200x600.

**Installation**

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).



**Smartpanel**

<b>Power</b>	LED 31W
<b>Beam</b>	116°
<b>Colour temperature</b>	Tuneable white allows Colour Temperature variation among 2700K and 6500K - CRI ≥ 80
<b>Nominal lumen output</b>	31W - 4800 lm
<b>Control gear</b>	Bluetooth dimmable electronic driver allows flux variation from 10% to 100%
<b>IP</b>	IP44/20
<b>Finishes</b>	White (33)
<b>Supply voltage</b>	220... 230V, 50/60Hz
<b>Installation</b>	Ceiling surface installation or ceiling hanging

**Panel LED**

<b>Power</b>	LED 34W, 64W
<b>Beam</b>	90° (microprismatic), 120° (opal)
<b>Colour temperature</b>	3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
<b>Nominal lumen output</b>	34W - 3900 lm, 64W - 6600 lm
<b>Control gear</b>	Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer DALI (ELDD) Electronic Dimmer DALI (ELDD) + Emergency under demand
<b>IP</b>	IP44/20
<b>Finishes</b>	White (33)
<b>Supply voltage</b>	220... 230V, 50/60Hz
<b>Installation</b>	Ceiling surface installation or ceiling hanging

To see luminaire references go to pg. 160 (smartpanel) and 162-163 (Panel LED)

**Accessories**



accessory for installation on surface  
600x600  
**11.1615.0001.33**



accessory for installation on surface  
300x1200  
**11.1615.0002.33**

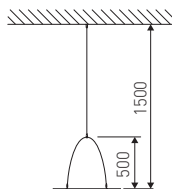


accessory for installation on surface  
600x1200  
**11.1615.0003.33**

Installation clamps for plaster ceilings  
600x600x50  
**11.1615.0014.00**



accessory for installation on suspended  
**40/L/S/21**



installation on suspended  
300 x 1200 (con marco)  
**11.1615.0012.33**

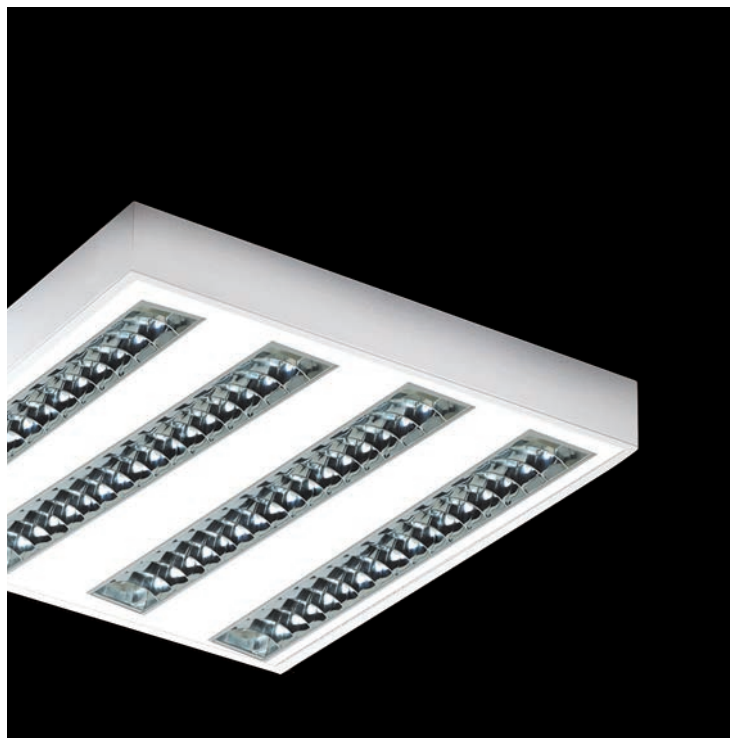


installation on suspended  
600 x 1200 (con marco)  
**11.1615.0013.33**

Luminaires for LED lamps. Designed to light work areas such as offices or traffic zones, where no false ceilings available.

**Features**

Surface-mounted luminaires. Steel housing painted white. Optical block building-in a glossy anodised aluminium reflector, a matt anodised slat and a texturized polycarbonate diffuser. Different formats: 600x600 and 300x1200. Mounted on the ceiling. Version UGR < 19.



**Power**

LED 36W

**Beam**

74°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80

**Nominal lumen output**

36W - 5280 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer (ELD)  
Electronic Dimmer DALI (ELDD)

**IP**

IP20

**Finishes**

White (33)

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Ceiling surface mounted

Features

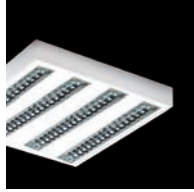


LED



Glossy optics  
Flat matt slat

LED and control gear included



L=600



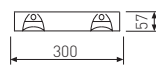
36W  
74°  
600x600  
control-gear EL  
5280 lm  
3000K **431L/4883/33**  
4000K **431L/4884/33**



36W  
74°  
600x600  
control-gear ELD  
5280 lm  
3000K **431L/4883D/33**  
4000K **431L/4884D/33**



36W  
74°  
600x600  
control-gear ELDD  
5280 lm  
3000K **431L/4883DD/33**  
4000K **431L/4884DD/33**



L=1200

36W  
74°

300x1200  
control-gear EL  
5280 lm  
3000K **431L/5883/33**  
4000K **431L/5884/33**

36W  
74°

300x1200  
control-gear ELD  
5280 lm  
3000K **431L/5883D/33**  
4000K **431L/5884D/33**

36W  
74°

300x1200  
control-gear ELDD  
5280 lm  
3000K **431L/5883DD/33**  
4000K **431L/5884DD/33**

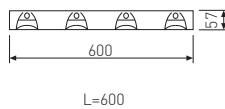
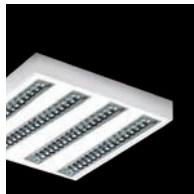
LED

UGR  
<19



Glossy optics. Flat matt slat

LED and control gear included



L=600



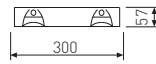
36W  
74°  
600x600  
control-gear EL  
5280 lm  
3000K **431L/4883U/33**  
4000K **431L/4884U/33**



36W  
74°  
600x600  
control-gear ELD  
5280 lm  
3000K **431L/4883DU/33**  
4000K **431L/4884DU/33**



36W  
74°  
600x600  
control-gear ELDD  
5280 lm  
3000K **431L/4883DDU/33**  
4000K **431L/4884DDU/33**



L=1200

36W  
74°

300x1200  
control-gear EL  
5280 lm  
3000K **431L/5883U/33**  
4000K **431L/5884U/33**

36W  
74°

300x1200  
control-gear ELD  
5280 lm  
3000K **431L/5883DU/33**  
4000K **431L/5884DU/33**

36W  
74°

300x1200  
control-gear ELDD  
5280 lm  
3000K **431L/5883DDU/33**  
4000K **431L/5884DDU/33**

Softlight is a new range of LED luminaires with excellent control of brightness to provide great visual comfort. Its characteristic design has made it an icon in fluorescent lighting, capable of exceptionally high performance.

**Features**

Steel housing painted white. Double parabolic aluminium with textured microliner opal diffuser.



**Power**

LED 15W, 30W, 45W

**Beam**

90°

**Colour temperature**

4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

15W - 2600 lm, 30W - 4400 lm, 45W - 6600 lm

**Control gear**

Electronic (EL)

Electronic Dimmer DALI (ELDD) and (ELD) under demand

**IP**

IP20 / 40

**Supply voltage**

220...240V, 50/60Hz

**Installation**

Ceiling surface mounted

## Features

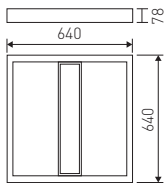


LED



Microprismatic diffuser

LED and control gear included



15W  
90°  
control gear EL  
2600 lm  
4000K **AG01RDIL2AAAMPR**

30W  
90°  
control gear EL  
4400 lm  
4000K **AG01RDIL2BAAMPR**

45W  
90°  
control gear EL  
6600 lm  
4000K **AG01RDIL3BAAMPR**



Meteor Compact is a luminaire with neutral design suitable for general light in spaces with a varied use, such as warehouses, stairs, corridors, printers rooms....

**Features**

Luminaires body made of steel sheet with powder coating. The screen is done in opal polymethylmethacrylate.

**Installation**

Luminaires designed to be installed on ceiling surface.



**Power**

LED 32W

**Beam**

120°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

32W - 6000 lm

**Control gear**

Electronic (EL)

Electronic Dimm DALI (ELDD)

**IP**

IP20

**Finishes**

White

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

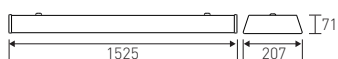
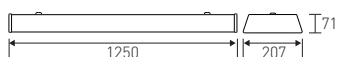
Surface mounted

Features



LED and control gear included

- |  |   |
|--|---|
| <p>□<br/>32W<br/>120°<br/>control gear EL<br/>6000 lm<br/>L=1250<br/>4000K <b>AG0E2AMLC1BBB9</b></p> | <p>□<br/>32W<br/>120°<br/>control gear ELDD<br/>6000 lm<br/>L=1250<br/>4000K <b>A G0E2AMLC1BBB97D</b></p> |
|--|---|



- |  |  |
|--|--|
| <p>□<br/>32W<br/>120°<br/>control gear EL<br/>6000 lm<br/>L=1525<br/>4000K <b>AG0E2AMLC2BBB9</b></p> | <p>□<br/>32W<br/>120°<br/>control gear ELDD<br/>6000 lm<br/>L=1525<br/>4000K <b>AG0E2AMLC2BBB97D</b></p> |
|--|--|



Lotos Elegance characterized by a simple and elegant design. It uses neutral and pure shapes to integrate perfectly in the architecture. Aesthetic is combined with the use of high efficiency LED technology, to minimize consumption, and with a design that allows its use in areas with high technical requirements.

**Features**

Body and diffuser made of polycarbonate with a high isolation degree, IP54. There are several available options, with a luminous flux 1200, 1800 or 2400 lm. The luminaire can set with microwave motion sensor.

**Installation**

Dedicated luminaire for surface installation in both, ceiling or wall. It can be installed without problems in humid areas thanks to its high isolation degree.



**Power**

LED 12W, 18W, 24W

**Beam**

120°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

12W - 1200 lm, 18W - 1800lm, 24W - 2400 lm

**Control gear**

Electronic (EL)

Electronic with microwave motion sensor (EL+PRI)

**IP**

IP54 - IK10

**Finishes**

White

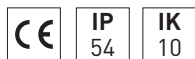
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Surface mounted

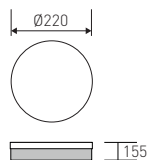
Features



Finishes

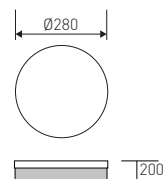


LED and control gear included



□  
12W  
120°  
control gear EL  
1200 lm  
4000K **AG0F1LL80ER921**

□  
12W  
120°  
control gear EL+PRI  
1200 lm  
4000K **AG0F1LL80ER921**

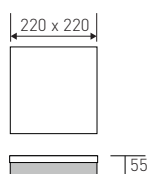
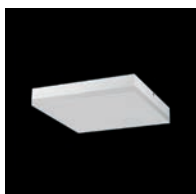


□  
18W  
120°  
control gear EL  
1800 lm  
4000K **AG0F1LL120ER921**

□  
18W  
120°  
control gear EL+PRI  
1800 lm  
4000K **AG0F1LL120ER921CM**

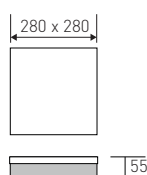
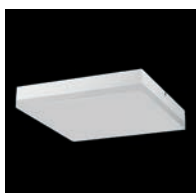


LED and control gear included



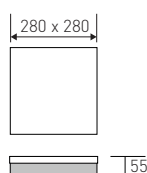
□  
12W  
120°  
control gear EL  
1200 lm  
4000K **AG0F1LL80ES921**

□  
12W  
120°  
control gear EL+PRI  
1200 lm  
4000K **AG0F1LL80ES921CM**



□  
18W  
120°  
control gear EL  
1800 lm  
4000K **AG0F1LL120ES921**

□  
18W  
120°  
control gear EL+PRI  
1800 lm  
4000K **AG0F1LL120ES921CM**



□  
24W  
120°  
control gear EL  
2400 lm  
4000K **AG0F1LL240ES921**

□  
24W  
120°  
control gear EL+PRI  
2400 lm  
4000K **AG0F1LL240ES921CM**

# IN

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# 7

## SURFACE LINEARS



Essence  
p. 206



X-Line  
p. 210



Snake LED  
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Shopline  
p. 216



Ledline  
p. 222

Essence concept is based on the minimalism and the versatility of a design to achieve total integration in the space. Luminaire designed starting from LED light sources, taking advantage of their small dimensions to get a compact and reduced aesthetics.

**Features**

Profile built in extruded aluminium with translucent texturized polycarbonate diffuser.

**Installation**

Various installation possibilities: suspended from ceiling and ceiling/ wall surface mounted. For hanging versions, suspensions are not included and should be ordered as accessories. Installation as independent modules or in continuous lines (only suspended versions and surface ceiling mounted).



**Power**

Surface/Suspended 15W, 20W, 24W, 27W, 29W, 34W  
Wall mounted 40W

**Beam**

75° (86° wall surface versions)

**Colour temperature**

3000K warm white – CRI 80  
4000K neutral white – CRI 80  
2700K - 5000K tuneable white on demand

**Nominal lumen output**

Surface/Suspended  
15W - 2250 lm, 20W -2700 lm, 24W - 3100 lm,  
27W - 3600 lm, 29W - 4050 lm, 34W - 4670 lm  
Wall mounted  
40W - 5980 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer DALI (ELDD)

**IP**

IP40

**Finishes**

White (63)  
Grey (21)

**Finishes**

220... 240V, 50/60Hz

**Installation**

Suspended or surface mounted to the ceiling,  
both individually or in continuous lines  
Surface mounted to the wall

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



To complete the product reference, add finish

Versions:

Tuneable white versions on demand (from 2700K to 5000K)

Continuous line suspended or attached to ceiling



LED and control gear included



15W  
75°  
control gear EL  
2258 lm  
3000K **11.1671.2101**  
4000K **11.1671.2102**

20W  
75°  
control gear EL  
3100 lm  
3000K **11.1671.2103**  
4000K **11.1671.2104**



15W - 20W L = 840  
19,5W - 27W L = 1120  
24W - 34W L = 1400  
29W - 40W L = 1685

19,5W  
75°  
control gear EL  
2700 lm  
3000K **11.1671.2201**  
4000K **11.1671.2202**

19,5W  
75°  
control gear ELDD  
2700 lm  
3000K **11.1671.2205**  
4000K **11.1671.2206**

27W  
75°  
control gear EL  
3600 lm  
3000K **11.1671.2203**  
4000K **11.1671.2204**

27W  
75°  
control gear ELDD  
3600 lm  
3000K **11.1671.2207**  
4000K **11.1671.2208**

24W  
75°  
control gear EL  
3150 lm  
3000K **11.1671.2301**  
4000K **11.1671.2302**

24W  
75°  
control gear ELDD  
3150 lm  
3000K **11.1671.2305**  
4000K **11.1671.2306**

34W  
75°  
control gear EL  
4050 lm  
3000K **11.1671.2303**  
4000K **11.1671.2304**

34W  
75°  
control gear ELDD  
4050 lm  
3000K **11.1671.2307**  
4000K **11.1671.2308**

29W  
75°  
control gear EL  
3600 lm  
3000K **11.1671.2401**  
4000K **11.1671.2402**

29W  
75°  
control gear ELDD  
3600 lm  
3000K **11.1671.2405**  
4000K **11.1671.2406**

40W  
75°  
control gear EL  
4670 lm  
3000K **11.1671.2403**  
4000K **11.1671.2404**

40W  
75°  
control gear ELDD  
4670 lm  
3000K **11.1671.2407**  
4000K **11.1671.2408**



Features



Translucent polycarbonate diffuser (PMMA)

Finishes



To complete the product reference, add finish

Individual module suspended or dosed to ceiling

  <b>LED and control gear included</b>					
		15W 75° control-gear EL 2258 lm 3000K <b>11.1671.1101</b> 4000K <b>11.1671.1102</b>	15W 75° control-gear ELDD 2258 lm 3000K <b>11.1671.1105</b> 4000K <b>11.1671.1106</b>	20W 75° control-gear EL 3100 lm 3000K <b>11.1671.1103</b> 4000K <b>11.1671.1104</b>	20W 75° control-gear ELDD 3100 lm 3000K <b>11.1671.1107</b> 4000K <b>11.1671.1108</b>
 15W - 20W L = 845 19,5W - 27W L = 1120 29W - 40W L = 1685		19,5W 75° control-gear EL 2700 lm 3000K <b>11.1671.1201</b> 4000K <b>11.1671.1202</b>	19,5W 75° control-gear ELDD 2700 lm 3000K <b>11.1671.1205</b> 4000K <b>11.1671.1206</b>	27W 75° control-gear EL 3600 lm 3000K <b>11.1671.1203</b> 4000K <b>11.1671.1204</b>	27W 75° control-gear ELDD 3600 lm 3000K <b>11.1671.1207</b> 4000K <b>11.1671.1208</b>
		29W 75° control-gear EL 3600 lm 3000K <b>11.1671.1401</b> 4000K <b>11.1671.1402</b>	29W 75° control-gear ELDD 3600 lm 3000K <b>11.1671.1405</b> 4000K <b>11.1671.1406</b>	40W 75° control-gear EL 4670 lm 3000K <b>11.1671.1403</b> 4000K <b>11.1671.1404</b>	40W 75° control-gear ELDD 4670 lm 3000K <b>11.1671.1407</b> 4000K <b>11.1671.1408</b>

## Wall mounted installation

LED



LED and control gear included



28W  
 86°  
 control-gear EL  
 3510 lm  
 3000K **138AP/L0983**  
 4000K **138AP/L0984**

37W  
 86°  
 control-gear EL  
 4680 lm  
 3000K **138AP/L1283**  
 4000K **138AP/L1284**

48W  
 86°  
 control-gear EL  
 5980 lm  
 3000K **138AP/L1583**  
 4000K **138AP/L1584**



138/L09... L = 912,5  
 138/L12... L = 1212,5  
 138/L15... L = 1512,5

## Suspension systems



Suspension without connection.  
for ref. **138/511**



Suspension with connection - 3 poles  
**11.1671.0001**



Suspension with connection - 5 poles  
**11.1671.0002**

## End caps



End caps for suspended or ceiling surface mounted in continuous lines. (2 units)  
**11.1671.0005**

## Aligner

Aligner for back-to-back versions  
**ALC/138**

Aligner for suspended versions or attached to the ceiling DALI.  
**11.1671.0004**

Aligner for suspended versions or attached to the ceiling.  
**11.1761.0003.00**

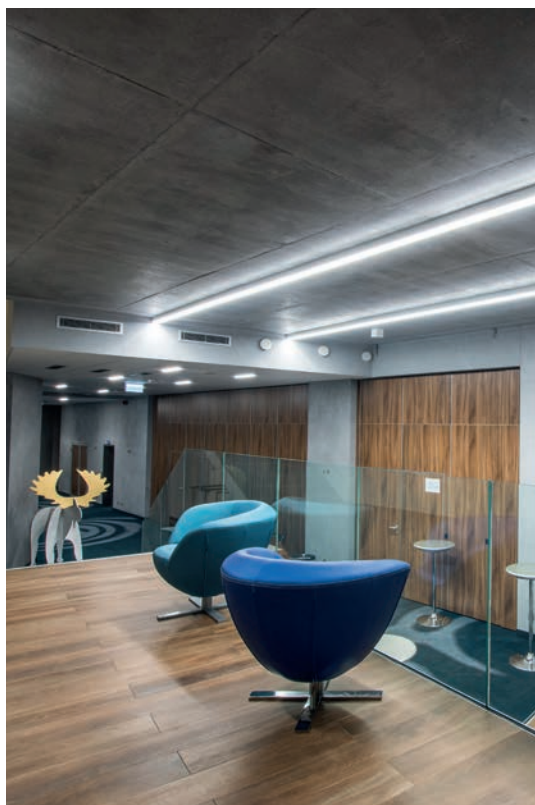
X-line is a range of fluorescent luminaires for surface mounting or hanging. They are designed to form continuous lines or other structures, or to be installed as single modules. A compact size design, while at the same time providing high performance and visual comfort.

**Features**

Luminaire built in extruded aluminium profile with anodized finish. Luminaire set a microprismatic diffuser to achieve an UGR <19. 63mm x 74mm profile.

**Installation**

Possibility of installation as single modules, in continuous lines or other polygonal structures (Connection accessories for polygonal structures, not included on demand).



**Power**

LED 17W, 21W, 26W, 28W, 35W, 42W

**Beam**

80°

**Colour temperature**

3000K warm white - CRI ≥ 80 bajo demanda

4000K neutral white - CRI ≥ 80

2700K- 5000K tuneable white versions (only for single versions)

**Nominal lumen output**

17W - 2600 lm, 21W - 3250 lm, 26W - 3900 lm, 28W - 4400 lm,

35W - 5500 lm, 42W - 6600 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD) bajo demanda

Electronic Dimmer DALI (ELDD) bajo demanda

**IP**

IP20

**Finishes**

Anodized aluminium

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Hanging, surface mounted

**Accessories**

Suspension systems, coupling, end section, end covers

Features



End-caps not included - Hanging or Surface mounted  
Joint and suspension accessory

Finishes

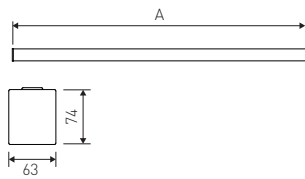


CONTINUOUS LINE versions



Opal methacrylate diffuser (PMMA)

Lamp and control gear included



2600 / L=1200	A= 1132
4400 / L=1200	A= 1132
3250 / L=1500	A= 1412
5500 / L=1500	A= 1412
3900 / L=1700	A= 1692
3900 / L=1700	A= 1692



17W  
80°  
L=1132  
control gear EL  
2600 lm  
4000K **AG0E1XLL22AMIC**



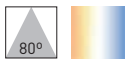
28W  
80°  
L=1132  
control gear EL  
4400 lm  
4000K **AG0E1XLL40AMIC**

21W  
80°  
L=1412  
control gear EL  
3250 lm  
4000K **AG0E1XLL325AMIC**

35W  
80°  
L=1412  
control gear EL  
5500 lm  
4000K **AG0E1XLL55AMIC**

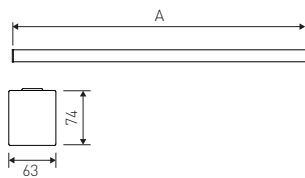
26W  
80°  
L=1692  
control gear EL  
3900 lm  
4000K **AG0E1XLL30AMIC**

25W  
80°  
L=1692  
control gear EL  
6600 lm  
4000K **AG0E1XLL60AMIC**



Opal methacrylate diffuser (PMMA)

Lamp and control gear included



2600 / L=1200	A= 1132
4400 / L=1200	A= 1132



28W  
80°  
L=1132  
control gear TW  
4400 lm  
2700K-6500K **AD0E1XLL44TWMIC**

Features



End-caps not included

Finishes

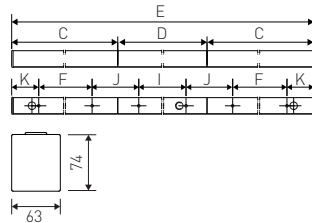


LED

Opal methacrylate diffuser (PMMA)

Lamp and control gear included

CONTINUOUS LINE VERSIONS



2600 / L=1200	C= 1127	D=1122	E=3376	F=1000	I=1000	J=122	K=66
4400 / L=1200	C= 1127	D=1122	E=3376	F=1000	I=1000	J=122	K=66
3250 / L=1500	C= 1407	D=1402	E=4216	F=1200	I=1200	J=202	K=106
5500 / L=1500	C= 1407	D=1402	E=4216	F=1200	I=1200	J=202	K=106
3900 / L=1700	C= 1687	D=1682	E=5056	F=1500	I=1500	J=182	K=96
3900 / L=1700	C= 1687	D=1682	E=5056	F=1500	I=1500	J=182	K=96

HEAD

17W  
80°  
L=1132  
control gear EL  
2600 lm  
4000K **AG0E1XLLA26AMIC**

28W  
80°  
L=1132  
control gear EL  
4400 lm  
4000K **AG0E1XLLA44AMIC**

21W  
80°  
L=1412  
control gear EL  
3250 lm  
4000K **AG0E1XLLA325AMIC**

35W  
80°  
L=1412  
control gear EL  
5500 lm  
4000K **AG0E1XLLA55AMIC**

26W  
80°  
L=1692  
control gear EL  
3900 lm  
4000K **AG0E1XLLA33AMIC**

42W  
80°  
L=1692  
control gear EL  
6600 lm  
4000K **AG0E1XLLC60AMICO**

MEDIUM

17W  
80°  
L=1122  
control gear EL  
2600 lm  
4000K **AG0E1XLLB26AMIC**

28W  
80°  
L=1122  
control gear EL  
4400 lm  
4000K **AG0E1XLLC44CMICO**

21W  
80°  
L=1402  
control gear EL  
3250 lm  
4000K **AG0E1XLLC325AMIC**

35W  
80°  
L=1402  
control gear EL  
5500 lm  
4000K **AG0E1XLLC55AMIC**

26W  
80°  
L=1682  
control gear EL  
3900 lm  
4000K **AG0E1XLLC33AMIC**

42W  
80°  
L=1682  
control gear EL  
6600 lm  
4000K **AG0E1XLLC60CMICO**

END

17W  
80°  
L=1142  
control gear EL  
2600 lm  
4000K **AG0E1XLLC26CMICO**

28W  
80°  
L=1142  
control gear EL  
4400 lm  
4000K **AG0E1XLLB44AMIC**

21W  
80°  
L=1412  
control gear EL  
3250 lm  
4000K **AG0E1XLLB325AMIC**

35W  
80°  
L=1412  
control gear EL  
5500 lm  
4000K **AG0E1XLLB55AMIC**

26W  
80°  
L=1692  
control gear EL  
3900 lm  
4000K **AG0E1XLLB33AMIC**

42W  
80°  
L=1692  
control gear EL  
6600 lm  
4000K **AG0E1XLLC60BMICO**



---

**Suspension systems**

Suspension with connection - 3 poles

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P-3**

White - **AG6E1-600XLN1P-3W**



Suspension with connection - 5 poles

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P-5**

White - **AG6E1-600XLN1P-5W**



Steel suspension cable

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P**

White - **AG6E1-600XLN1PW**

---

**Conector**

Continuous line aligner

**AG0E1XLL-SLED**

Architectural range of luminaires suitable for lighting spaces such as counter areas in hotels, retail, showrooms, offices, bars or restaurants as well suspension or hanging applications.

**Features**

Body built-in aluminium with two possible diffusers: opal polycarbonate or prismatic. Gear built in the luminaire. Suitable to be surface mounted or suspended.  
Suspension elements not included.



**Power**

LED 42W, 68W

**Beam**

95°, 80°

**Colour temperature**

LED - 3000K warm white - CRI ≥ 85

LED - 4000K neutral white - CRI ≥ 85

**Nominal lumen output**

42W - 5200 lm, 68W - 8800 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

Grey

White

**Supply voltage**

220...230V, 50/60Hz

**Accessories**

Suspension systems 1500mm

Features

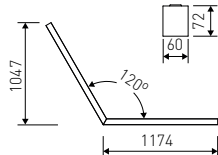


Finishes



Opal diffuser

LED and control gear included



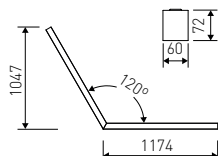
Power	Beam Angle	Lumen Output	Color Temperature	Model
42W	95°	5200 lm	3000K	<b>AG0E1XSVL52BPLX</b>
			4000K	<b>AG0E1XSVL52APLX</b>
42W	95°	5200 lm	3000K	<b>AG0E1XSVL52BPLXW</b>
			4000K	<b>AG0E1XSVL52APLXW</b>

Power	Beam Angle	Lumen Output	Color Temperature	Model
68W	95°	8800 lm	3000K	<b>AG0E1XSVL88BPLX</b>
			4000K	<b>AG0E1XSVL88APLX</b>
68W	95°	8800 lm	3000K	<b>AG0E1XSVL88BPLXW</b>
			4000K	<b>AG0E1XSVL88APLXW</b>



Micro-prismatic diffuser

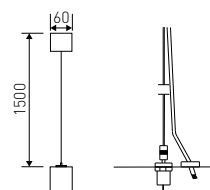
LED and control gear included



Power	Beam Angle	Lumen Output	Color Temperature	Model
42W	80°	5200 lm	3000K	<b>AG0E1XSVL52BMPR</b>
			4000K	<b>AG0E1XSVL52AMPR</b>
68W	80°	8800 lm	3000K	<b>AG0E1XSVL52BMPRW</b>
			4000K	<b>AG0E1XSVL52AMPRW</b>

Power	Beam Angle	Lumen Output	Color Temperature	Model
42W	80°	5200 lm	3000K	<b>AG0E1XSVL88BMPR</b>
			4000K	<b>AG0E1XSVL88AMPR</b>
68W	80°	8800 lm	3000K	<b>AG0E1XSVL88BMPRW</b>
			4000K	<b>AG0E1XSVL88AMPRW</b>

Suspension systems



Model	Suspension System
<b>AG6E1-600XLN1PW</b>	Wireless suspension point in grey
<b>AG6E1-600XLN1P</b>	Wireless suspension point in white

Model	Suspension System
<b>AG6E1-600XLN1P-3W</b>	3 wires suspension point in grey
<b>AG6E1-600XLN1P-3</b>	3 wires suspension point in white



Shopline is a modular system to create continuous LED lines with high energy efficiency. Thanks to its flexibility and variety of versions, Shopline offers many possibilities to fulfil different needs in lighting projects such as shopping centers, supermarkets, industrial facilities, warehouses with ceiling height of 15m maximum. Its design enables to be installed in record time and without the need of extra tools.



**Power**

LED 35W, 50W, 75W

**Colour temperature**

4000K - neutral white - CRI  $\geq$  80

3000K - 5000K - 6000K - on request

**Nominal lumen output**

35W - 5600 lm, 50W - 8000 lm, 75W - 11600 lm

**Control gear**

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Emergency <sup>1</sup> (direct emergency supply...)

Emergency <sup>2</sup> (emergency with battery 12W, 3600 mAh, 3h)

Emergency <sup>2</sup> (emergency with battery 6W, 1800 mAh, 3h)

**IP**

IP42

**Installation**

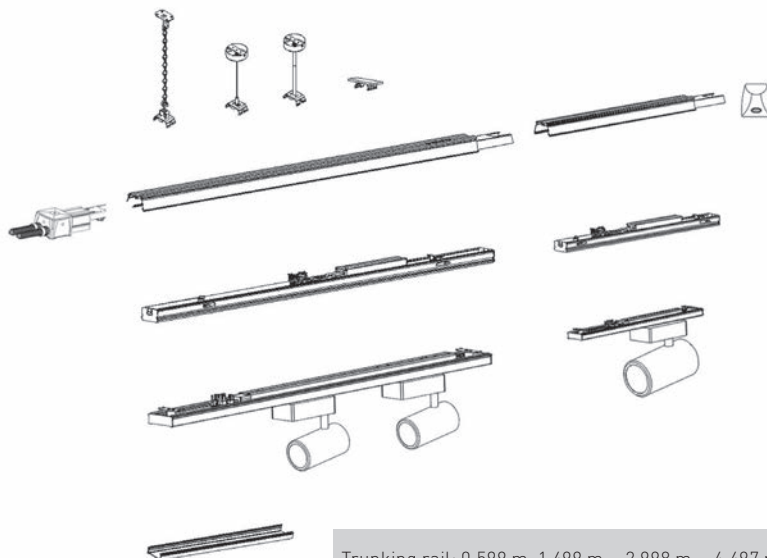
Ceiling mounting or suspended by accessories

**Accessories**

Suspension mounted, cover, connector

### Combinations

This modular system enables multiple combinations through using different elements, adapting the system to the lighting needs of each project.



Trunking rail: 0,599 m, 1,499 m - 2,998 m - 4,497 m  
 Linear Luminaire: 1,499 m  
 Functional modules: control, emergency, electrified track...  
 Mounting: Suspended or Surface-mounted  
 Blind cover: 1,499m

### Benefits

- Highly efficient modular system in LED continuous line for industrial and retail sectors.
- Excellent quality of light with a luminous flux able to meet different needs
- Easy and quick to install and replace lamps
- Flexible solution thanks to the variety of modules and possibilities

### Installation

Shopline has a quick and easy installation system without using additional tools. The system enables to change a luminaire in less than 45 seconds.

Direct ceiling mounting or suspended by accessories. Especially suitable for very high ceilings. Industrial buildings, warehouses, schools, supermarkets and other shopping centers, offices, labs, halls and other facilities.



## Shopline configuration



### Trunking rail

Trunking rail to install suspended or surface-mounted. Sheet steel profile painted in white. Length: L= 0,599m, L=1,499m - L=2,998m - L=4,497m



### Pre-Cabled

Trunking rails pre-cables and fitted with 5, 8 or 12 by 2,5mm<sup>2</sup> wires.



### Pre-cabled

LED luminaires can be mounted to the trunking rail Shopline with versions for 5, 8 and 12 wires.



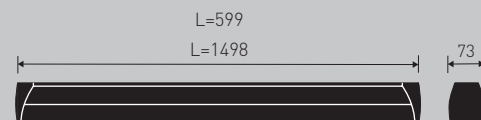
### Power

Variety of luminous fluxes to meet different needs of lighting and LEDs that ensure efficient lighting.



### Linear Light

Visually a continuous light line uninterrupted.



### Colour Temperature

Colour rendering index of  $R_a \geq 80$ , colour temperature range of 3000K, 4000K, 5000K, 6000K and low UGR.



### Optics

Luminaires incorporate lenses with different beam angles: Double asymmetric, left asymmetric, right asymmetric, diffuser, wide, narrow, sharp.



### Control Gear

Control gear with the possibility of control and emergency lighting to provide flexibility, comfort and energy efficiency.

06 = length 0,6 m (on request)

15 = length 1,5 m

30 = length 3 m

45 = length 4,5 m

track **11.0282.██.□□.33**

track end **11.0283.██.□□.33**

05 = pre-cabled and fitted with 5 cables (on request)

08 = pre-cabled and fitted with 8 cables

12 = pre-cabled and fitted with 12 cables (on request)

track **11.0282.■■.██.33**

track end **11.0283.■■.██.33**

5 = pre-cabled and fitted with 5 cables (on request)

8 = pre-cabled and fitted with 8 cables

1 = pre-cabled and fitted with 12 cables (on request)

**11.14** ██.□□□□.33

LED

3 = LED 35W - 5600 lm

5 = LED 50W - 8000 lm

7 = LED 75W - 11600 lm

**11.14** ███.□□□□.33

1 = 600 mm (on request)

2 = 1500 mm

**11.14** ███.██□□□.33

3 = 3000K - (on request)

4 = 4000K

5 = 5000K - (on request)

6 = 6000K - (on request)

**11.14** ███.███□□.33



1 = narrow 25°



2 = intensive 50°



3 = extensive 90°



4 = clear diffuser 120°



5 = matt diffuser 120°



6 = right asymmetric



7 = left asymmetric



8 = Double asymmetric

**11.14** ███.█████.33

1 = Electronic (EL)

2 = Electronic Dimmer (ELD)

3 = Electronic Dimmer DALI (ELDD)

4 = Emergency<sup>1</sup> (direct emergency supply ...) - (bajo demanda, precisa sistema de 11 cables)

5 = Emergency<sup>2</sup> (emergency with battery 12W, 3600 mAh, 3h)

6 = Emergency<sup>2</sup> (emergency with battery 6W, 1800 mAh, 3h)

**11.14** ███.█████.33



**11.14** ███.█████.33

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.



**Mounts**



**11.0280.0302.00**  
Direct suspension mounted



**11.0280.0303.00**  
Cord



**11.0280.0304.00**  
Chain



**11.0280.0305.00**  
Rod

**Cover**



**11.0280.0307.33**  
End cover



**11.1400.2000.33**  
Blind cover



**11.1450.2000.33**  
Tray for three-phase track



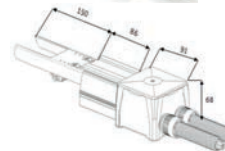
**Connector**



**11.0281.0008.00**  
Feeding trunk 8 cables  
(5 and 12 cables on request)



**11.0281.0208.33**  
Terminal feeding box 8 cables  
(5 and 12 cables on request)





Small power strip to accommodate small spaces, shelves, and indirect lighting needs. Possibility to create continuous lines.

**Features**

Polycarbonate body and diffuser. Surface installation, either suspended (suspension kit not included) or as continuous lines. Built in connectors.



**Power**

LED 5W, 10W, 15W, 20W

**Beam**

105°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80

**Flujo nominal**

5W - 500 lm  
10W - 1000 lm  
15W - 1500 lm  
20W - 2000 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

White brilliant

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Surface

**Accessories**

Suspension kit

Features



LED and control gear included



L= 300  
L= 585  
L= 885  
L= 1185



5W  
105°  
500 lm  
3000K **11.0201.0305.30**  
4000K **11.0201.0305.40**



10W  
105°  
1000 lm  
3000K **11.0201.0610.30**  
4000K **11.0201.0610.40**

15W  
105°  
1500 lm  
3000K **11.0201.0915.30**  
4000K **11.0201.0915.40**

20W  
105°  
2000 lm  
3000K **11.0201.1220.30**  
4000K **11.0201.1220.40**



# IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

# 8

## WALL SCONCES



Eclipse  
p. 226



Orbit  
p. 228



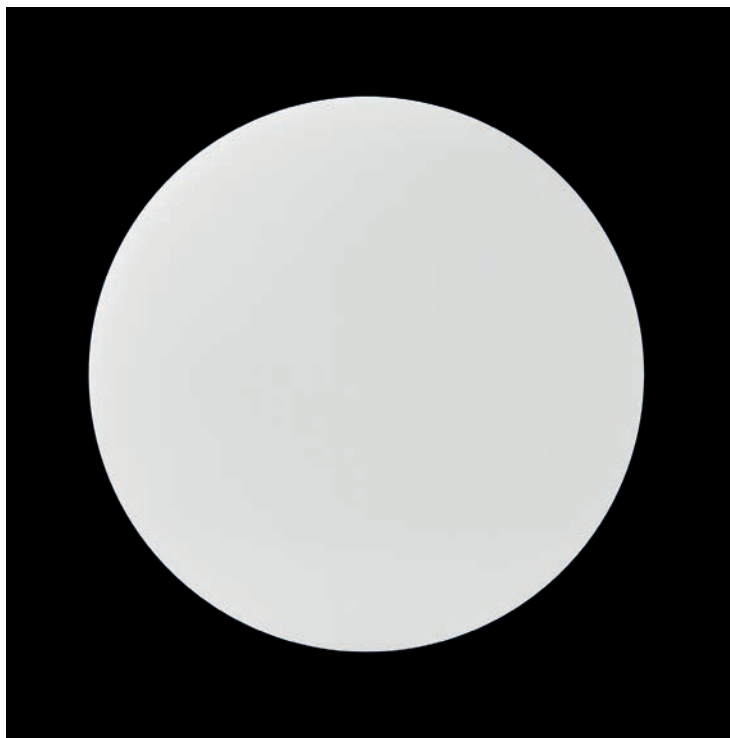
X Line Wall  
p. 230



Flex  
p. 232

Eclipse is a wall sconces range with indirect light and a pure design based on simple lines. It is ideal for integrate in any environment, either of work (offices, schools, waiting rooms and hospital rooms ...) or in more relaxed environments (hotel rooms, lobbies, bars, restaurants, residential areas...).

Eclipse is presented in round or square format with two different sizes in each format. It can be installed in group combining shapes sizes and colours to generate light effects, highlight the architecture and generate suitable environments for each specific use of space.

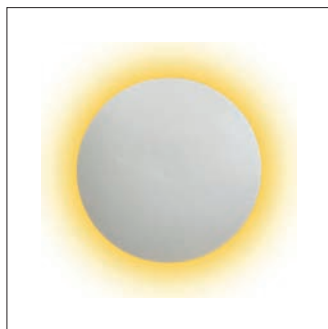


#### Features

Eclipse is made of injected aluminium with diffuse lenses that allow the right indirect lighting to generate a relaxed and evocative atmosphere. Set last generation LEDs to minimize consumption.

#### Installation

Installation on wall surface.



#### Power

LED 9W, 12W

#### Colour temperature

LED 3000K warm white - CRI  $\geq$  80

#### Nominal lumen output

9W - 1890 lm, 12W - 2520 lm

#### Control gear

Electronic (EL)

#### IP

IP44, IP20

#### Finishes

Black (04)

White (33)

#### Supply voltage Alimentación

220...240, 50/60Hz

#### Installation

Installation on wall surface.

Features

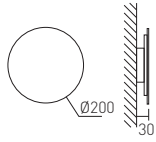


Finishes



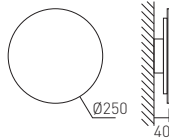
To complete the product reference, add finish

LED



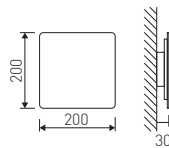
9W  
1890 lm  
control gear EL  
3000K **11.1914.1301**

LED and control gear included



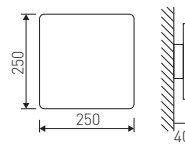
12W  
2520 lm  
control gear EL  
3000K **11.1914.3301**

LED



9W  
1890 lm  
control gear EL  
3000K **11.1914.2301**

LED and control gear included



12W  
2520 lm  
control gear EL  
3000K **11.1914.4301**



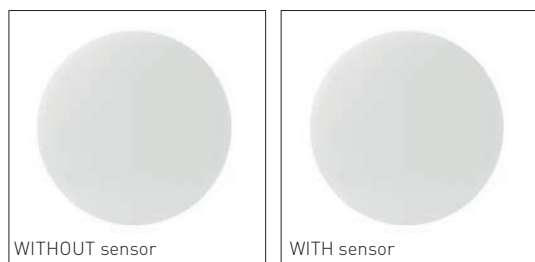
Orbit is a range of LED surface luminaires with circular format developed for indoor spaces that allows installation on walls or ceilings.

Their simple design and great formal purity make them suitable for numerous spaces: homes (kitchens, bathrooms...), hotels, communal areas, transit areas (stairs, corridors ...), waiting areas, auxiliary spaces (storerooms, washrooms ...), without sacrificing play with visual effects generated from their use in multiple combination in places where these lights can be part of the interior design.

#### Features

Design for wall or ceiling applications. For a decorative finish, it is possible to add available rings in different colors. Polycarbonate diffuser for uniform light distribution. Easy installation.

Available with sensor.



#### Power

LED 14,5W

#### Colour temperature

LED 3000K warm white - CRI  $\geq$  80

#### Nominal lumen output

14,5W - 1236 lm

#### Control gear

Electronic (EL)

Sensor

#### IP

IP44

#### Finishes accessories

Chrome (01)

Black (04)

Grey (27)

Anthracite (22)

White (33)

Copper (85)

Gold (92)

#### Supply voltage Alimentación

220...240, 50/60Hz

#### Installation

Wall or ceiling

#### Accessories

Decorative ring

## Features



## Finishes accessories

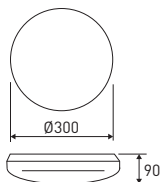


To complete the product reference, add finish

LED



LED and control gear included



14,5W  
1236 lm  
control gear EL  
3000K **11.1550.0001.00**

14,5W  
1236 lm  
control gear EL  
Sensor  
3000K **11.1550.0002.00**

## Accessories

## Decorative ring



**11.1550.0001**

X-Line is a range of LED luminaires. They are designed for mounting on walls for bathrooms, hospitals and can be fitted in continuous lines.

**Features**

Aluminium profile and opal polycarbonate diffuser.  
Electronic gear built in the luminaire.

**Fitting**

Surface mounted. Can fitted as individual modules or in continuous lines.  
Suspension elements not included.



**Power**

LED 11W, 16W, 18W, 32W, 27W, 47W, 36W, 62W

**Beam**

126°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

11W - 1300 lm, 16W - 2200 lm, 18W - 2600 lm, 32W - 4400 lm,  
27W - 3900 lm, 47W - 6600 lm, 36W - 5200 lm, 62W - 8800 lm

**Control gear**

Electronic (EL)

**IP**

IP44 - IK04

**Finishes**

Grey

**Supply voltage**

220... 230V, 50/60Hz

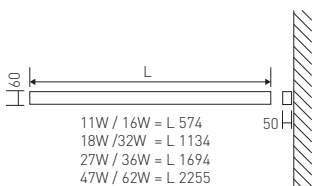
**Installation**

Surface mounted

Features



LED and control gear included



■	■
11W 1300 lm L=574 4000K <b>AG0E1XK9L10APLX</b>	16W 2200 lm L=574 4000K <b>AG0E1XK9L20APLX</b>

18W 2600 lm L=1134 4000K <b>AG0E1XK9L26APLX</b>	32W 4400 lm L=1134 4000K <b>AG0E1XK9L40APLX</b>
--	--

27W 3900 lm L=1694 4000K <b>AG0E1XK9LA30APLX</b>	47W 6600 lm L=1694 4000K <b>AG0E1XK9L66APLX</b>
---	--

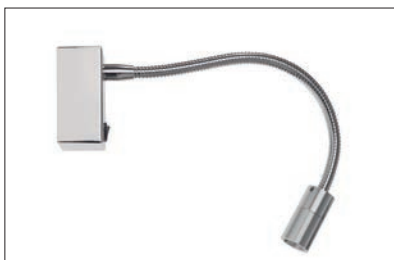
36W 5200 lm L=2255 4000K <b>AG0E1XK9LA40APLX</b>	62W 8800 lm L=2255 4000K <b>AG0E1XK9L88APLX</b>
---	--



Flex is an adjustable wall lamp in small format, suitable for hotels or domestic uses for spot lighting.

**Features**

Body made in die-cast aluminium with adjustable arm.  
Cylindrical heads in small format.  
LED and control gear included.



**Power**

LED 2,5W

**Beam**

25°

**Colour temperature**

3000K warm white - CRI  $\geq$  80

**Nominal lumen output**

2,5W - 150 lm

**Control gear**

Electronic (EL)

**IP**

IP20

**Finishes**

Stainless steel (20)

**Supply voltage**

220...230V 50/60Hz

**Installation**

Wall

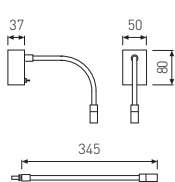
## Features



LED



LED and control gear included



2,5W  
25°  
150 lm  
3000K **0170/1/20**

# IN

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# 9

## INDUSTRIAL



Astrea  
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Orion  
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Aries  
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Nix  
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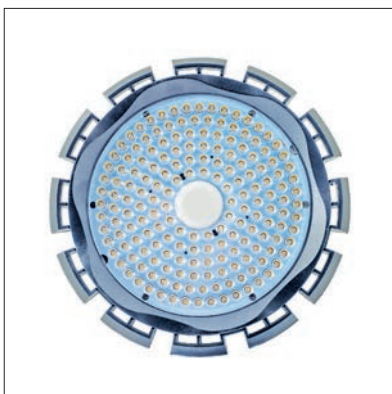


Rubin Sport  
p. 244

Suspended highbay LED ideal for warehouses, supermarkets, exhibition halls and other interior locations that require a functional luminaire with a good design for spaces that require an industrial look.

**Features**

Die-cast aluminium body bell, polycarbonate lenses and LEDs.  
Available in 60, 90 and 120 degrees. Integrated electronic system.



**Power**

LED 90W, 148W, 198W

**Beam**

60°, 90°, 120°

**Colour temperature**

4000K neutral white - CRI ≥ 80

5000K neutral white - CRI ≥ 80

**Nominal lumen output**

90W - 12000 lm, 148W - 19800 lm, 198W - 26840 lm

**Control gear**

Electronic Dimmer (ELD)

**IP**

IP65, IK05

**Finishes**

Grey [21]

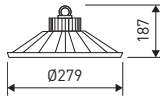
**Supply voltage**

220...240V, 50/60Hz

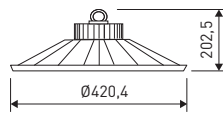
**Installation**

Suspended

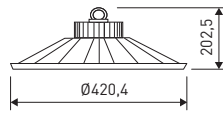
Features



90W 60° control gear ELD 12000 lm 4000K <b>11.1607.4841.21</b> 5000K <b>11.1607.4851.21</b>	90W 90° control gear ELD 12000 lm 4000K <b>11.1607.4842.21</b> 5000K <b>11.1607.4852.21</b>	90W 120° control gear ELD 12000 lm 4000K <b>11.1607.4843.21</b> 5000K <b>11.1607.4853.21</b>
--	--	---



148W 60° control gear ELD 19800 lm 4000K <b>11.1607.5841.21</b> 5000K <b>11.1607.5851.21</b>	148W 90° control gear ELD 19800 lm 4000K <b>11.1607.5842.21</b> 5000K <b>11.1607.5852.21</b>	148W 120° control gear ELD 19800 lm 4000K <b>11.1607.5843.21</b> 5000K <b>11.1607.5853.21</b>
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198W 60° control gear ELD 26840 lm 4000K <b>11.1607.6841.21</b> 5000K <b>11.1607.6851.21</b>	198W 90° control gear ELD 26840 lm 4000K <b>11.1607.6842.21</b> 5000K <b>11.1607.6852.21</b>	198W 120° control gear ELD 26840 lm 4000K <b>11.1607.6843.21</b> 5000K <b>11.1607.6853.21</b>
---	---	--

Orion is a LED linear suspended highbay with a unique thermal design for stable performance of the product. It is ideal for warehouses, supermarkets, corridors exhibition and other industrial spaces that require a functional luminaire with a strong and functional design.

#### Features

Injected aluminium body with optics polycarbonate protected with a frontal tempered glass. The excellent thermal management and heat radiation system allow the LEDs to work in a consistent way guaranteeing effectiveness throughout the luminaire life. Available with 60°, and elliptical 75° x 135° lenses. 1-10V dimmable electronic gear integrated.



#### Power

LED 110W, 220W, 440W

#### Beam

60° - 75° x 135°

#### Colour temperature

4000K neutral white - CRI ≥ 70

#### Nominal lumen output

110W - 15600 lm, 220W - 31200 lm, 440W - 62400 lm

#### Control gear

Electronic Dimmer (ELD)

#### IP

IP65, IK08

#### Finishes

Black (04)

#### Supply voltage

100...277V, 50/60Hz

#### Installation

Suspended

Features

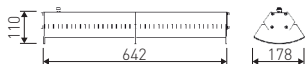


Finishes



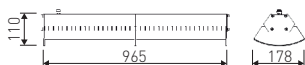
LED

LED and control gear included



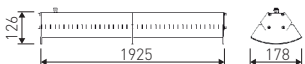
■ 110W  
60°  
control gear ELD  
15600 lm  
4000K **11.1714.1412.04**

■ 110W  
75°x135°  
control gear ELD  
15600 lm  
4000K **11.1714.1422.04**



■ 220W  
60°  
control gear ELD  
31200 lm  
4000K **11.1714.2412.04**

■ 220W  
75°x135°  
control gear ELD  
31200 lm  
4000K **11.1714.2422.04**



■ 440W  
60°  
control gear ELD  
62400 lm  
4000K **11.1714.4412.04**

■ 440W  
75°x135°  
control gear ELD  
62400 lm  
4000K **11.1714.4422.04**





LED suspended highbay efficient and functional to light industrial spaces such as warehouses, supermarkets, exhibition halls, industrial centres and in general all kinds of large-spaces that require a practical general lighting and effective.

**Features**

Body made of injected aluminium with a frontal diffuser made of transparent PMMA.

**Installation**

The luminaire is designed to be installed suspended from the ceiling.



**Power**

LED 90W, 140W, 180W

**Beam**

100°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

90W - 10500 lm, 140W - 17000 lm, 180W - 21000 lm

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

Black (04)

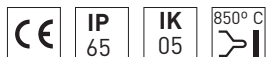
**Supply voltage**

220...240V, 50/60Hz

**Installation**

Suspended

Features



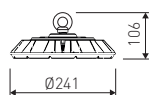
Finishes



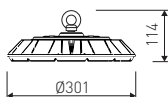
LED



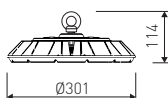
LED and control gear included



■  
90W  
100°  
control gear EL  
10500 lm  
4000K **11.1820.1841.04**



■  
140W  
100°  
control gear EL  
17000 lm  
4000K **11.1820.2841.04**



■  
180W  
100°  
control gear EL  
21000 lm  
4000K **11.182.3841.04**



Nix is a range of LED waterproof luminaires with a huge variety of installation types, wall or ceiling mounted, or hanging. Luminaires especially suitable for lighting premises requiring a high level of protection from the surroundings: high degree of humidity, air pollution, risk of impacts...

**Features**

Housing in injected polycarbonate, reflecting plate in enamelled steel, and methacrylate diffuser stabilized against UV rays and fixed to the luminaire by clips which are fully integrated into the housing.



**Power**

LED 12W, 25W, 30W, 50W, 60W

**Ópticas**

120°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

12W - 1120 lm, 25W - 2252 lm, 30W - 2875 lm,  
50W - 4956 lm, 60W - 6023 lm

**Control gear**

Electronic (EL)  
Electronic Dimmer (ELD)  
Electronic Dimmer Dali (ELDD)

**IP**

IP65 - IK10

**Finishes**

Grey [21]

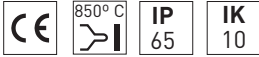
**Supply voltage**

220...240V, 50/60Hz

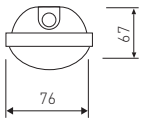
**Installation**

Surface mounted

Features

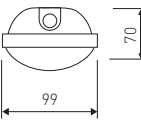


LED and control gear included



12W L= 600

12W  
120°  
control gear EL  
1120 lm  
4000K **11.0030.1411.21**



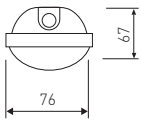
25W L= 600

25W  
120°  
control gear EL  
2304 lm  
4000K **11.0030.1401.21**

25W  
120°  
control gear ELD  
2304 lm  
4000K **11.0030.1402.21**

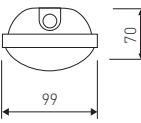
25W  
120°  
control gear ELDD  
2304 lm  
4000K **11.0030.1403.21**

25W  
120°  
control gear EE  
2304 lm  
4000K **11.0030.1404.21**



25W L= 1200

25W  
120°  
control gear EL  
2252 lm  
4000K **11.0030.2411.21**



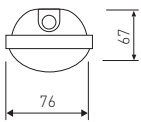
50W L= 1200

50W  
120°  
control gear EL  
4956 lm  
4000K **11.0030.2401.21**

50W  
120°  
control gear ELD  
4956 lm  
4000K **11.0030.2402.21**

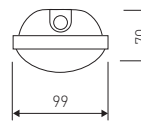
50W  
120°  
control gear ELDD  
4956 lm  
4000K **11.0030.2403.21**

50W  
120°  
control gear EE  
4956 lm  
4000K **11.0030.2404.21**



30W L= 1500

30W  
120°  
control gear EL  
2875 lm  
4000K **11.0030.3411.21**



60W L= 1500

60W  
120°  
control gear EL  
6023 lm  
4000K **11.0030.3401.21**

60W  
120°  
control gear ELD  
6023 lm  
4000K **11.0030.3402.21**

60W  
120°  
control gear ELDD  
6023 lm  
4000K **11.0030.3403.21**

60W  
120°  
control gear EE  
6023 lm  
4000K **11.0030.3404.21**

Surface luminaire specially designed for indoor sports spaces, able to offer a comfortable lighting for the users of the sport areas, while optimizing consumption and efficiency. Interesting applications for sports, gymnastics and squash courts, etc.

**Features**

Luminaire made of steel sheet lacquered in white and equipped with the protective grid made of steel wire painted in white. Micro-PRM diffuser used in the luminaire reduces the effect of glare. Ceiling surface or suspended installation.



**Power**

LED 120W, 180W, 240W

**Beam**

95°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

120W - 16000 lm, 180W - 24000 lm, 240W - 32000 lm

**Control gear**

Electronic (EL)

**IP**

IP20 - IK10

**Finishes**

White

**Supply voltage**

220...240V, 50/60Hz

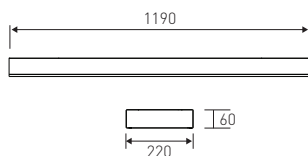
**Installation**

Surface mounted on ceiling or suspended (suspensions not included)

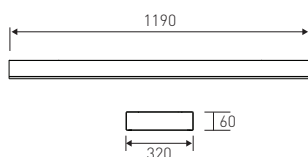
## Features



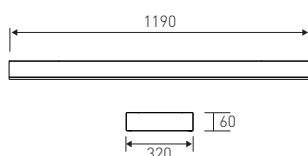
LED



□  
120W  
95°  
control gear EL  
16000 lm  
4000K **AG0B1RSNL16MPR**



□  
180W  
95°  
control gear EL  
24000 lm  
4000K **AG0B1RSNL24MPR**



□  
250W  
95°  
control gear EL  
32000 lm  
4000K **AG0B1RSNL32MPR**



# IN

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# 10

## LINEALED



FlexiLED  
p. 248



Lightline  
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Neonled  
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Perfiled  
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Flexiled is a product with excellent luminance performance and excellent colour uniformity, putting on high efficiency SMD LEDs. It is a product both for indoor and outdoor, extremely versatile and for easy installation. Ideal for applications in short spaces due to its small dimensions, being suitable for general lighting, accent lighting or environmental light effects, in any type of modern and functional architecture as well as in any type of environment.

**Versatile:** Flexiled offers a wide range of power (5W/m, 10W/m, 15/m and 20W/m) and versions: white in different tones (super-warm, extra-warm, warm, neutral and cold), dimmable colour (RGB and RGBW), tuneable white (TW, adjustable white tone from extra-warm to cold).

**Isolation degree:** (IP20 and IP66).

**Fit your needs:** The possibility of cutting tailored Flexiled on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space (see for each model the multiple of length of cut).

**Easy to install:** Each Flexiled model incorporates a 3M adhesive ribbon that facilitates and ensures its fixation in any type of surface. It also has quick connectors that allow wiring and connect the strips together facilitating installation.

**Efficient and durable:** The combined use of Flexiled with our Perfiled profile range, facilitates fixing to the different architectural elements, improves thermal dissipation and increases the efficiency and the useful life of the product.

**Technology and innovation:** Flexiled uses state-of-the-art LEDs with high efficiency (100lm / W) and all the know-How of TROLL collected from the last 75 years of experience: The RGBW technology application allows a better definition of colour, especially pastel shades. White super warm that allow to create more pleasant environments and comfortable Products with IP66 that allow their use outdoors or in interior protecting the electronics from the aggression of the environmental factors.

**Features:** Product with flexible PCB of 8 mm, 10mm or 12mm width with different density of LEDs / m, from 60 to 280 LEDs for each linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 50mm or 100mm, (depending on the density of LEDs / m). Flexiled adds in a 3M's self-adhesive tape on the back for easy installation. There are IP66 Versions sealed and encapsulated in sheath silicone with square profile.

**Installation:** The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. In other surface types it is advisable to use an additional mechanical fixation. The delivery is in 5 linear meters rolls.



**Power**

LED 5W/m,10W/m, 15W/m, 20W/m

**Versions**

**White: Colour temperature**

2300K super-warm white - CRI ≥ 80

2700K extra-warm white - CRI ≥ 80

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

6000K cool white - CRI ≥ 80

Tuneable white (TW)- CRI ≥ 80

**Dimmable colour** RGB and RGBW

**Nominal lumen output**

100lm/w

**IP**

IP20 - IP66

**Supply voltage**

24 VDC

**Installation**

Surface

**Accessories**

Aluminium profiles

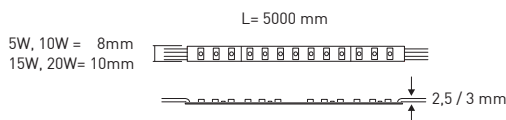
Connectors

Features



Control gear required

**Sena** - IP20 white light Flexible LED strip



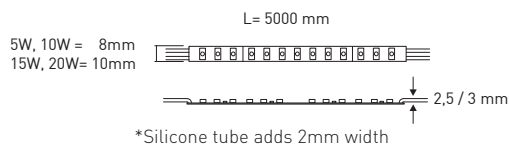
	5W/m	10W/m	15W/m	20W/m
	24V	24V	24V	24V
	500lm/m	1000lm/m	1500lm/m	2000lm/m
	120°	120°	120°	120°
N° LEDs	60 LEDs/m	120 LEDs/m	120 LEDs/m	120 LEDs/m
Multiple length of cut	100mm	50 mm	50 mm	50 mm
PCB width	8 mm	8 mm	10 mm	10 mm
2300K	<b>11.7891.0581.00</b>	<b>11.7891.1081.00</b>	<b>11.7891.1581.00</b>	<b>11.7891.2081.00</b>
2700K	<b>11.7891.0582.00</b>	<b>11.7891.1082.00</b>	<b>11.7891.1582.00</b>	<b>11.7891.2082.00</b>
3000K	<b>11.7891.0583.00</b>	<b>11.7891.1083.00</b>	<b>11.7891.1583.00</b>	<b>11.7891.2083.00</b>
4000K	<b>11.7891.0584.00</b>	<b>11.7891.1084.00</b>	<b>11.7891.1584.00</b>	<b>11.7891.2084.00</b>
6000K	<b>11.7891.0586.00</b>	<b>11.7891.1086.00</b>	<b>11.7891.1586.00</b>	<b>11.7891.2086.00</b>

**Accessories - IP20**

PCB-PCB connector 8 mm	<b>11.7891.0004.00</b>
PCB-Wire connector 8mm	<b>11.7891.0001.00</b>
PCB-PCB connector 10mm	<b>11.7891.0005.00</b>
PCB-Wire connector 10mm	<b>11.7891.0002.00</b>



**Tajo** - IP66 white light Flexible LED strip



	5W/m	10W/m	15W/m	20W/m
	24V	24V	24V	24V
	500lm/m	1000lm/m	1500lm/m	2000lm/m
	120°	120°	120°	120°
N° LEDs	60 LEDs/m	120 LEDs/m	120 LEDs/m	120 LEDs/m
Multiple length of cut	100mm	50 mm	50 mm	50 mm
PCB width	8 mm	8 mm	10 mm	10 mm
2300K	<b>11.7851.0581.00</b>	<b>11.7851.1081.00</b>	<b>11.7851.1581.00</b>	<b>11.7851.2081.00</b>
2700K	<b>11.7851.0582.00</b>	<b>11.7851.1082.00</b>	<b>11.7851.1582.00</b>	<b>11.7851.2082.00</b>
3000K	<b>11.7851.0583.00</b>	<b>11.7851.1083.00</b>	<b>11.7851.1583.00</b>	<b>11.7851.2083.00</b>
4000K	<b>11.7851.0584.00</b>	<b>11.7851.1084.00</b>	<b>11.7851.1584.00</b>	<b>11.7851.2084.00</b>
6000K	<b>11.7851.0586.00</b>	<b>11.7851.1086.00</b>	<b>11.7851.1586.00</b>	<b>11.7851.2086.00</b>

**Accessories - IP66**

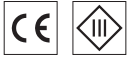
PCB-PCB connector 8 mm	<b>11.7851.0009.00</b>
PCB-Wire connector 8mm	<b>11.7851.0008.00</b>
PCB-PCB connector 10mm	<b>11.7851.0003.00</b>
PCB-Wire connector 10mm	<b>11.7851.0002.00</b>



Installation accessory kit	<b>11.7851.0010.00</b>
End cap without drill 5 unit.	5W / and 10Wm
End cap with drill 5 unit.	
Clip 10 unit.	<b>11.7851.0001.00</b>
Screw 10 unit.	15W / and 20Wm
Silicone 1 unit.	

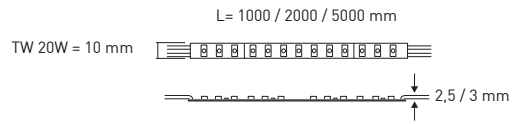


Features



Control gear required

Ramis - IP20 tuneable white flexible LED strip (variation from extra-warm-white to cold white)



- 20W/m
  - 24V
  - 2400lm/m
  - 120°
  - 280 LEDs/m
  - 50 mm
  - 10 mm
  - 11.7891.1401.00**
- N° LEDs  
Multiple length of cut  
PCB width  
TW -2700K to 6000K

Accessories - IP20

- PCB-PCB connector 10mm **11.7891.0010.00**
- PCB-Wire connector 10mm **11.7891.0009.00**

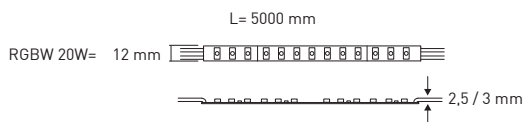


Features



Control gear required

**Varta - IP20 dimmable-colour-with-white flexible LED strip (RGBW)**



N° LEDs  
Multiple length of cut  
PCB width  
RGBW

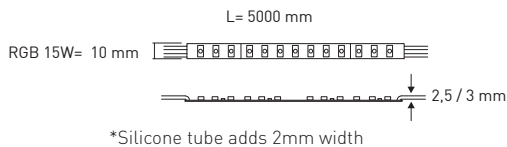
20W/m  
24V  
2000lm/m  
120°  
60 LEDs/m  
100 mm  
12 mm  
**11.7891.1301.00**

**Accessories - IP20 - RGB**

PCB-PCB connector 12mm **11.7891.0008.00**  
PCB-Wire connector 12mm **11.7891.0007.00**



**Po - IP66 dimmable colour flexible LEDs strip (RGB)**



N° LEDs  
Multiple length of cut  
PCB width  
RGB

15W/m  
24V  
1500lm/m  
120°  
60 LEDs/m  
100 mm  
10 mm  
**11.7851.1301.00**

**Accessories - IP66 - RGB**

PCB-PCB connector 10mm **11.7851.0005.00**  
PCB-Wire connector 10mm **11.7851.0004.00**



Installation accessory kit **11.7851.0001.00**  
End cap without drill 5 unit.  
End cap with drill 5 unit.  
Clip 10 unit.  
Screw 10 unit.  
Silicone 1 unit.



Lightline is a high luminosity flexible LED strip with a high density of LEDs (700LEDs/m) that allows us a lighting system with a light spot free effect, even when using low-profile LED profiles.

**Versatile:** Lightline offers a wide range of white-tones of light from the super-warm white to the neutral white, with high colour rendering (CRI $\geq$  90).

**Fit your needs:** The possibility of cutting Flexiled in 10 mm-multiples length on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space (see for each model the multiple of length of cut).

**Easy to install:** Lightlinemodel incorporates a 3M adhesive ribbon that facilitates and ensures its fixation in any type of surface. It also has quick connectors that allow wiring and connect the strips together facilitating installation.

**Efficient and durable:** The combined use of Lightline with our Perfiled profile range, facilitates fixing to the different architectural elements, improves thermal dissipation and increases the efficiency and the useful life of the product.

**Technology and innovation:** Lightline uses state-of-the-art LEDs with high efficiency (90lm/W) and all the know-How of TROLL collected from the last 75 years of experience: The Super-warm white model allows you to create more pleasant and comfortable environments. The high chromatic reproduction (CRI $\geq$ 90) allows the perfect recreation of the colours. The generation of a continuous line of light avoids the vision of individual LED light points to generate spectacular effects of continuous light, perfect light surfaces to create relaxed environments.

**Features:** Product with flexible PCB of 12mm width with density of of 700 LEDs/ linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 10mm. Lightline adds in a 3M's self-adhesive tape on the back for easy installation.

**Installation:** The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. In other surface types it is advisable to use a additional mechanical fixation. The delivery is in 5 linear meters rolls.



#### Power

LED 24W/m

#### Colour temperature

2300K warm white - CRI  $\geq$  90

2700K warm white - CRI  $\geq$  90

3000K warm white - CRI  $\geq$  90

4000K neutral white - CRI  $\geq$  90

#### Nominal lumen output

90lm/w

#### IP

IP20

#### Supply voltage

24 VDC

#### Installation

Surface

#### Accessories

Aluminium profiles

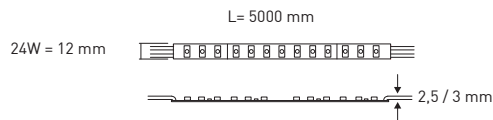
Connectors

Features



Control gear required

Rin - IP20 High-density flexible LEDs strip for continuous light line "light-spots-free"



N° LEDs  
Multiple length of cut  
PCB width  
2300K  
2700K  
3000K  
4000K

24W/m  
24V  
2100lm/m  
120°  
700 LEDs/m  
10 mm  
12 mm  
**11.7891.2481.00**  
**11.7891.2482.00**  
**11.7891.2483.00**  
**11.7891.2484.00**

Accessories - IP20

PPCB-PCB connector 12mm **11.7891.0006.00**  
PCB-Wire connector 12mm **11.7891.0003.00**



Neonled is a flexible LED strip encapsulated in silicone with excellent light performance, uniformity and high efficiency. It is a product for indoor or outdoor use, very versatile and easy to install.

**Versatile:** Neonled offers two different tones of white light: white warm, or neutral white. It also offers versions of light lateral emission (one side), or light frontal emission.

**Fit your needs:** The possibility of cutting Neonled in 100 mm-multiples length on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space, being easy to do tailor made installations.

**Easy to install:** Neonled incorporates a 3M adhesive ribbon that facilitates and ensures its fixation on any type of surface. Further it has also quick connectors that allow to wiring and connect the strips between them facilitating the installation. Neonled has an installation accessory kit that allows secure the flexible tape to the surface preventing it from moving.

**Efficient and durable:** Neonled add in the latest technologies to improve thermal dissipation and increase the efficiency and the useful life of the product.

**Technology and innovation:** Neonled adds in all the Know-How of TROLL collected from the last 75 years of experience: High isolation level to protect electronics from environmental aggressions. High chromatic reproduction to generates a continuous line of light that avoids the vision of the individual Led light.

**Features:** Product with 8 mm width flexible PCB and density of 144 LEDs/ linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 100mm. It incorporates a 3M's self-adhesive tape on the back for easy installation.

**Installation:** The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. It is always advisable to use an additional mechanical fixation by using the each model installation kit accessory. The delivery is in 5 linear meters rolls.



Mykita, Spain

#### Power

LED 9W/m

#### Colour temperature

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

#### Versions

Frontal light emission

Lateral light emission

#### Nominal lumen output

25lm/w

#### IP

IP65

#### Supply voltage

24 VDC

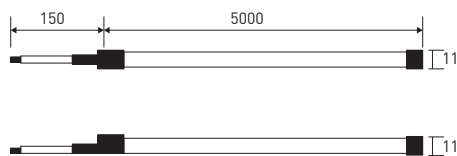
#### Installation

Surface

#### Accessories

Installation Kit

Sonora

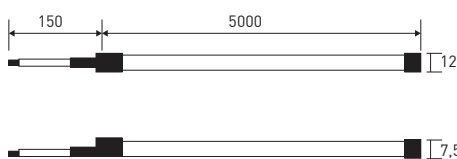
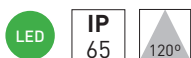


**Frontal light**

9W/m  
24V  
225lm/m  
120°

N° LEDs 144LEDs/m  
Multiple length of cut 100 mm  
PCB width 8 mm  
3000K **11.7861.0983.00**  
4000K **11.7861.0984.00**

Loa



**Lateral light**

9W  
24V  
225lm/m  
120°

N° LEDs 144LEDs/m  
Multiple length of cut 100 mm  
PCB width 8 mm  
3000K **11.7871.0983.00**  
4000K **11.7871.0983.00**

**Accessories - IP65**

Light front installation accessory kit  
Light side installation accessory kit  
End cap without drill 5 unit.  
End cap with drill 5 unit.  
Clip 10 unit.  
Screw 10 unit.  
Silicone 1 unit.

**11.7861.0001.00**  
**11.7871.0001.00**





Our line of TROLL profiles offers the professional support for the perfect installation of Flexiled strips, providing the thermal dissipation necessary for its right operation with maximum efficiency. Manufactured in aluminium, they offer a range that allows you to find lighting solutions to cover all your needs.

**Loira** - Recessed profile

**Roncal** - Surface profile

**Veny** - 45° corner profile

**Irati** - High dissipation surface profile

**Luna** - Low level surface profile

**Moselle** - Indirect light sconce profile up & down

**Ica** - Recessed wall profile, floor cover

TROLL's Linealed profiles shown an aesthetic and functional design. They are designed, not only to meet an aesthetic function, but also thinking about the ease of installation and what is more important in its function as a heat sink of the heat generated in the environment of the LEDs.



Features



**Loira - Recessed profile set**



Transparent diffuser

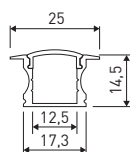
L = 1m  
**11.7890.0011.20**

L = 2m  
**11.7890.0012.20**

Opal diffuser

L = 1m  
**11.7890.1011.20**

L = 2m  
**11.7890.1012.20**



References add in aluminium profile, diffuser, end caps and installation clamps.

**Roncal - Surface profile set**



Transparent diffuser

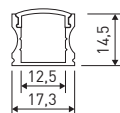
L = 1m  
**11.7890.0021.20**

L = 2m  
**11.7890.0022.20**

Opal diffuser

L = 1m  
**11.7890.1021.20**

L = 2m  
**11.7890.1022.20**

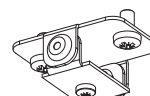


References add in aluminium profile, diffuser, end caps and installation clamps.

**Accessories - Roncal**



**11.7890.0412.33**  
**11.7890.0412.04**  
Suspension accessory (1 unit)



**11.7890.0411.00**  
Joint-ball accessory (2 units)

**Veny - 45° corner profile set**



Transparent diffuser

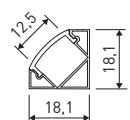
L = 1m  
**11.7890.0031.20**

L = 2m  
**11.7890.0032.20**

Opal diffuser

L = 1m  
**11.7890.1031.20**

L = 2m  
**11.7890.1032.20**

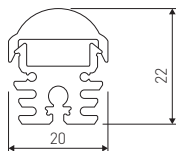


References add in aluminium profile, diffuser, end caps and installation clamps.

Features



**Irati - High thermal disipation surface profile**



Aluminium profile  
L = 2m  
**11.7890.0401.20**



30° frosted diffuser  
**11.7890.0402.00**

60° frosted diffuser  
**11.7890.0403.00**

90° frosted diffuser  
**11.7890.0404.00**

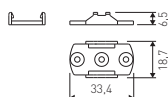
Opal diffuser  
**11.7890.0405.00**

Transparent diffuser  
**11.7890.0406.00**

Frosted diffuser  
**11.7890.0407.00**

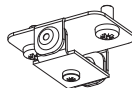
\* Note: profile references add in only the aluminium profile, without diffusers, or lenses, no installation staples or end caps that should be ordered separately.

**Installation accessories**



**11.7890.0410.00**  
Installation clamps (2 units)

**11.7890.0409.20**  
End cups set (with/whithout drill for wire)

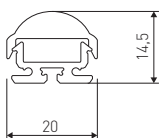


**11.7890.0411.00**  
Joint-ball (2 units)



**11.7890.0412.04**  
**11.7890.0412.33**  
Suspension accessory

Luna



Aluminium profile  
 L = 2m  
**11.7890.0501.20**



30° frosted diffuser  
**11.7890.0402.00**

60° frosted diffuser  
**11.7890.0403.00**

90° frosted diffuser  
**11.7890.0404.00**

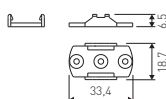
Opal diffuser  
**11.7890.0405.00**

Transparent diffuser  
**11.7890.0406.00**

Frosted diffuser  
**11.7890.0407.00**

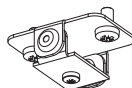
\* Note: profile references add in only the aluminium profile, without diffusers, or lenses, no installation staples or end caps that should be ordered separately.

Installation accessories



**11.7890.0410.00**  
 Installation clamps (2 units)

**11.7890.0502.20**  
 End cups set (with/without drill for wire)



**11.7890.0411.00**  
 Joint-ball (2 units)

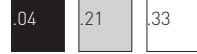


**11.7890.0412.04**  
**11.7890.0412.33**  
 Suspension accessory

Features

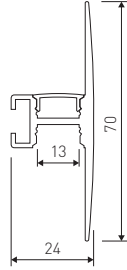


Finishes



To complete the product reference, add finishing

Mosela - Up&down indirect light scone profile set



Transparent diffuser  
L = 1m  
**11.7890.0041**

L = 2m  
**11.7890.0042**



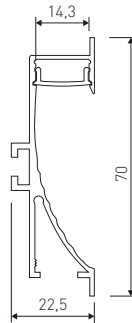
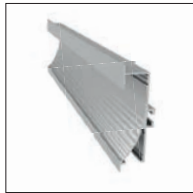
Opal diffuser  
L = 1m  
**11.7890.1041**

L = 2m  
**11.7890.1042**



References add in aluminium profile, diffuser, end caps and installation clamps.

Ica - Wall recessed profile set for floor washing



Transparent diffuser  
L = 1m  
**11.7890.0051**

L = 2m  
**11.7890.0052**


Opal diffuser  
L = 1m  
**11.7890.1051**

L = 2m  
**11.7890.1052**


References add in aluminium profile, diffuser, end caps and installation clamps.


<b>Auxiliary equipment IP20</b>	Power supply 220-240Vac/24V 30W	<b>11.1801.7010.00</b>
	Power supply 220-240Vac/24V 60W	<b>11.1801.7011.00</b>
	Power supply 220-240Vac/24V 120W	<b>11.1801.7012.00</b>
	Power supply 220-240Vac/24V 180W	<b>11.1801.7013.00</b>
	Power supply 220-240VAC 24V 35W DALI	<b>11.1801.7030.00</b>
	Power supply 220-240VAC 24V 60W DALI	<b>11.1801.7031.00</b>
	Power supply 220-240VAC 24V 100W DALI	<b>11.1801.7032.00</b>
	Power supply 220-240VAC/24V 150W DALI	<b>11.1801.7033.00</b>


<b>Auxiliary equipment IP65</b>	Power supply 120-240Vac/24V 60W - IP65	<b>71/LDT06024</b>
	Power supply 120-240Vac/24V 96W - IP65	<b>71/LDT9624</b>
	Power supply 120-240Vac/24V 150W - IP65	<b>71/LDT15024</b>

<b>Auxiliary equipment IP20</b>	Dimmable controller RGBW, RGB and TW Master	<b>11.1655.0001.00</b>
		Esclavo <b>11.1655.0004.00</b>

1 master can control up to 20 slaves

	RGB and RGBW recessed touch panel	<b>11.1655.0002.00</b>
1 touch panel can control up to 20 masters		

	TW recessed touch panel	<b>11.1655.0005.00</b>
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	RGB & RGBW remote control	<b>11.1655.0003.00</b>
1 remote control can control up to 20 masters		

	TW remote control	<b>11.1655.0006.00</b>
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# Health & Care

The Health & Care industry is a very wide concept that encompasses all the sectors dedicated to health and personal well-being: from hospitals, medical centres, alternative medicine centres, retirement homes, dental clinics... to wellness centres: spas, gyms, beauty centres, massage parlours, hairdressers... and other more industrial sectors such as the pharmaceutical industry, food industry, chemical industry and laboratories...

Psychological aspects are fundamental in spaces dedicated to Health & Care. The lighting plays a key role in transmitting a pleasant and comfortable sensation, a sensation of well-being.

In many areas, the primary function of light is to allow work such as examinations, surgical operations, treatments, manipulations etc. to be carried out. Therefore, the lighting will have maximum functionality.

Light is essential for facilitating the flow of people and complementing the most functional lighting. On top of this, the lighting can also offer an efficient system for signalling visual information.

The light must support the different tasks that are carried out in a hospital and treat each area depending on its needs, considering that some areas must comply with very rigorous standards regarding the protection of luminaires, complying with criteria of unvarying brightness, ensuring good levels of lighting, facilitating the flow between different areas...

Light also has psychological effects on people, therefore the lighting must create a sensation of well-being and comfort for the patients, visitors and personnel, designing a flexible lighting, affected by the area and time of day.







# HEALTH & CARE SPACES





HOSPITALS  
OPERATING ROOMS  
CLINICS, DISPENSARIES, AMBULATORIE  
LABORATORIES  
PHARMACEUTICAL INDUSTRY  
ELECTRONIC INDUSTRY  
FOOD INDUSTRY  
CHEMICAL INDUSTRY



**APPLICATIONS**

	AGAT CLEAN CLASS	AGAT CLEAN NO FRAME LED	AGAT CLEAN NO FRAME	AGAT CLEAN NO FRAME CLIP IN	AGAT CLEAN LED	AGAT CLEAN T5	AGAT CLEAN T5 CLIP IN	AGAT CLEAN INOX	AGAT CLEAN T5 REG	AGAT T5 NIGHT	AGAT CLEAN TC-L	AGAT CLEAN POS	AGAT CLEAN EX	LIMPIO CLEAN
Operating rooms			•	•		•	•	•	•		•			•
Rooms in operating theaters area			•	•		•	•	•	•		•			•
Treatment rooms (hospital wards)			•	•		•	•	•	•		•			•
Wards		•	•		•	•	•			•	•	•		•
Bathrooms		•			•	•								
Communication routes and staff rooms		•	•	•	•	•	•			•	•	•		•
Sterilization room		•	•	•	•	•	•	•			•	•	•	•
Psychiatric hospitals		•			•	•	•			•	•	•		•
Laparoscopy			•	•		•	•		•		•	•		
Laser treatment			•	•		•	•		•		•	•		
Nursing homes		•	•	•	•	•	•			•	•	•		•
Clinics, dispensaries, ambulatories		•	•	•	•	•	•				•	•		•
Pharmaceutical industry		•	•	•	•	•	•	•			•	•	•	•
Electronic industry		•	•	•	•	•	•				•	•	•	•
Food industry		•	•	•	•	•	•	•			•	•	•	•
Chemical industry		•	•	•	•	•	•	•			•	•	•	•
Laboratories		•	•	•	•	•	•	•		•	•	•	•	
Public area										•	•	•	•	
Penitentiary premises											•	•	•	





High protection recessed luminaire with frontal maintenance for clean rooms application. It is a versatile, functional luminaire that provides great advantages. It is available with different formats (600x600, 1200x300, and 1200x600), powers and fluxes. As well it has a wide variety of optical diffuser built in synthetic materials and/or glass that allows to comply with the different regulations of application in the industry: food, pharmaceutical, electronics, chemistry, as well as in hospital uses. There are certified versions according to Cleanroom regulations (from ISO1 to ISO9) and for using as medical devices.

**Features**

Body made of lacquered steel sheet. It built-in last LEDs generation and technical diffusers made of synthetic material and/or glass to comply with the regulation of clean rooms.



**Installation**

Recessed ceiling installation.

**Power**

LED 26W, 34W, 42W, 51W, 56W, 68W, 70W, 83W, 111W

**Beam**

85°, 110°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

LED 26W - 3900 lm, 34W - 5200 lm, 42W - 6600 lm, 51W - 7800 lm, 56W - 8800 lm, 68W - 10400 lm, 70W - 11000lm, 83W - 13200 lm, 111W - 17600 lm

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

White

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Recessed ceiling

Features

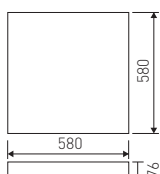


Versions:

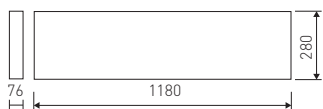
DALI Dimmable versions on demand  
 3000K versions on demand  
 Different frontal diffusers on demand



LED and control gear included



<p>□</p> <p>26W 3900 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4AL3AAAMPRS</b></p>	<p>□</p> <p>26W 3900 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL3AAAPLX</b></p>	<p>□</p> <p>26W 3900 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4AL3AAASHM</b></p>
<p>□</p> <p>34W 5200 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4AL4AAAMPRS</b></p>	<p>□</p> <p>34W 5200 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL4AAAPLX</b></p>	<p>□</p> <p>34W 5200 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4ALEDAASHM</b></p>
<p>□</p> <p>42W 6600 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4ALEDCAMPRS</b></p>	<p>□</p> <p>42W 6600 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL3BAAPLX</b></p>	<p>□</p> <p>42W 6600 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4AL3BAASHM</b></p>
<p>□</p> <p>56W 8800 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4AL4BAAMPRS</b></p>	<p>□</p> <p>56W 8800 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL4BAAPLX</b></p>	<p>□</p> <p>56W 8800 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4ALEDBASHM</b></p>
<p>□</p> <p>70W 11000 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4AL5BAAMPRS</b></p>	<p>□</p> <p>70W 11000 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL5BAAPLX</b></p>	<p>□</p> <p>70W 11000 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4AL5BAASHM</b></p>



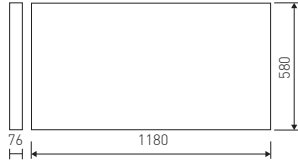
<p>□</p> <p>34W 5200 lm Microprismatic diffuser with Glass drill 1180x280 4000K <b>AGOK4AL4AABMPRS</b></p>	<p>□</p> <p>34W 5200 lm PMMA opal diffuser drill 1180x280 4000K <b>AGOK4AL4AABPLX</b></p>	<p>□</p> <p>34W 5200 lm Matt glass diffuser drill 1180x280 4000K <b>AGOK4AL4AABSHM</b></p>
<p>□</p> <p>56W 8800 lm Microprismatic diffuser with Glass drill 580 x580 4000K <b>AGOK4AL4BABMPRS</b></p>	<p>□</p> <p>56W 8800 lm PMMA opal diffuser drill 580 x580 4000K <b>AGOK4AL4BABPLX</b></p>	<p>□</p> <p>56W 8800 lm Matt glass diffuser drill 580 x580 4000K <b>AGOK4AL4BABSHM</b></p>

Features



Versions:

DALI Dimmable versions on demand  
3000K versions on demand  
Different frontal diffusers on demand



□  
51W  
7800 lm  
Microprismatic diffuser  
with Glass  
drill 1180x580  
4000K **AGOK4AL6AADMPRS**

□  
51W  
7800 lm  
PMMA opal diffuser  
drill 1180x580  
4000K **AGOK4AL6AADPLX**

□  
51W  
7800 lm  
Matt glass diffuser  
drill 1180x280  
4000K **AGOK4AL6AADSHM**

LED and control gear included

68W  
10400 lm  
Microprismatic diffuser  
with Glass  
drill 1180 x580  
4000K **AGOK4AL8AADMPRS**

68W  
10400 lm  
PMMA opal diffuser  
drill 1180 x580  
4000K **AGOK4AL8AADPLX**

68W  
10400 lm  
Matt glass diffuser  
drill 1180 x580  
4000K **AGOK4AL8AADSHM**

83W  
13200 lm  
Microprismatic diffuser  
with Glass  
drill 1180 x580  
4000K **AGOK4AL6BADMPRS**

83W  
13200 lm  
PMMA opal diffuser  
drill 1180 x580  
4000K **AGOK4AL6BADPLX**

83W  
13200 lm  
Matt glass diffuser  
drill 1180 x580  
4000K **AGOK4AL6BADSHM**

111W  
17600 lm  
Microprismatic diffuser  
with Glass  
drill 1180 x580  
4000K **AGOK4AL8BADMPRS**

111W  
17600 lm  
PMMA opal diffuser  
drill 1180 x580  
4000K **AGOK4AL8BADPLX**

111W  
17600 lm  
Matt glass diffuser  
drill 1180 x580  
4000K **AGOK4AL8BADSHM**





High protection surface mounted luminaire with frontal maintenance for clean rooms application . It is a versatile, functional luminaire that provides great advantages. It is available with different formats (600x600, 1200x300, and 1200x600), powers and fluxes. As well it has a wide variety of optical diffuser built in synthetic materials and/ or glass that allows to comply with the different regulations of application in the industry: food, pharmaceutical, electronics, chemistry, as well as in hospital uses. There are certified versions according to Cleanroom regulations (from ISO1 to ISO9) and for using as medical devices.

**Features**

Body made of lacquered steel sheet. It built-in last LEDs generation and technical diffusers made of synthetic material and/or glass to comply with the regulation of clean rooms.

**Installation**

Ceiling surface mounted.



**Power**

LED 26W, 34W, 42W, 51W, 56W, 68W, 70W, 83W,111W

**Beam**

85°, 110°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

LED 26W - 3900 lm, 34W - 5200 lm, 42W - 6600 lm, 51W - 7800 lm, 56W - 8800 lm, 68W - 10400 lm, 70W - 11000 lm, 83W - 13200 lm, 111W - 17600 lm

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

White

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Ceiling surface mounted

Features

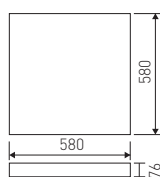


Versions:

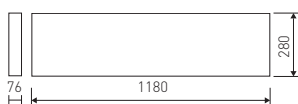
DALI Dimmable versions on demand  
 3000K versions on demand  
 Different frontal diffusers on demand



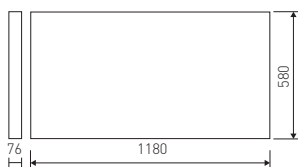
LED and control gear included



<p>□                  26W                  3900 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL3AAAMPRS</b></p>	<p>□                  26W                  3900 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL3AAAPLX</b></p>	<p>□                  26W                  3900 lm                  Matt glass diffuser                  4000K <b>AGOK4RL3AAASHM</b></p>
<p>□                  34W                  5200 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL4AAAMPRS</b></p>	<p>□                  34W                  5200 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL4AAAPLX</b></p>	<p>□                  34W                  5200 lm                  Matt glass diffuser                  4000K <b>AGOK4RLEDAASHM</b></p>
<p>□                  42W                  6600 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RLEDCAMPRS</b></p>	<p>□                  42W                  6600 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL3BAAPLX</b></p>	<p>□                  42W                  6600 lm                  Matt glass diffuser                  4000K <b>AGOK4RL3BAASHM</b></p>
<p>□                  56W                  8800 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL4BAAMPRS</b></p>	<p>□                  56W                  8800 lm                  PMMA opal diffuser                  4000K <b>AGOK4RLEDBAPLX</b></p>	<p>□                  56W                  8800 lm                  Matt glass diffuser                  4000K <b>AGOK4RLEDBASHM</b></p>
<p>□                  70W                  11000 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL5BAAMPRS</b></p>	<p>□                  70W                  11000 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL5BAAPLX</b></p>	<p>□                  70W                  11000 lm                  Matt glass diffuser                  4000K <b>AGOK4RL5BAASHM</b></p>



<p>□                  34W                  5200 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL4AABMPRS</b></p>	<p>□                  34W                  5200 lm                  PMMA opal diffuser                  4000K <b>AGOK4RLEDAABPLX</b></p>	<p>□                  34W                  5200 lm                  Matt glass diffuser                  4000K <b>AGOK4RLEDAABSHM</b></p>
<p>□                  56W                  8800 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL4BABMPRS</b></p>	<p>□                  56W                  8800 lm                  PMMA opal diffuser                  4000K <b>AGOK4RLEDBBPLX</b></p>	<p>□                  56W                  8800 lm                  Matt glass diffuser                  4000K <b>AGOK4RLEDBBSHM</b></p>



<p>□                  68W                  10400 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL8AADMPRS</b></p>	<p>□                  68W                  10400 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL8AADPLX</b></p>	<p>□                  68W                  10400 lm                  Matt glass diffuser                  4000K <b>AGOK4RL8AADSHM</b></p>
<p>□                  83W                  13200 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL6BADMPRS</b></p>	<p>□                  83W                  13200 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL6BADPLX</b></p>	<p>□                  83W                  13200 lm                  Matt glass diffuser                  4000K <b>AGOK4RL6BADSHM</b></p>
<p>□                  111W                  17600 lm                  Microprismatic diffuser                  with Glass                  4000K <b>AGOK4RL8BADMPRS</b></p>	<p>□                  111W                  17600 lm                  PMMA opal diffuser                  4000K <b>AGOK4RL8BADPLX</b></p>	<p>□                  111W                  17600 lm                  Matt glass diffuser                  4000K <b>AGOK4RL8BADSHM</b></p>

# OUT

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POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

# 1

## SPOTLIGHTS



Ledmotiv  
p.276



Canal S  
p. 280



Tube  
p. 284



Beam  
p. 286



Fargo  
p. 288



Single  
p. 290

Ledmotiv is a complete range of spotlights for exterior use. One of the qualities of Lightmotiv is its versatility provided by a wide variety of reflectors, permitting the range to be used in many different exterior situations. The flexibility of application is increased because the possibility of tilting the optical whole.

#### Features

Housing made of specially-treated cast aluminium to withstand tough weather conditions. High-purity aluminium reflectors. Silicon seals, stainless steel screws and decompression valve ensuring protection to IP 65 standard.

Tempered protective glass.

There are six different optics for use in different situations: lighting gardens, pedestrian zones, residential areas, public areas, façades and vertical planes, signs and hoardings, patios, terraces.....



#### Power

LED 31,5W, 51W

#### Beam

12°, 24°, 36° / -15°, 15°, 40° asimetric

#### Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

#### Flujo nominal

31,5W - 4600 lm, 51W - 6100 lm

#### Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD)

#### IP - IK

IP65 - IK08

#### Finishes

Grey [21]

#### Suply voltage

220...240V, 50/60Hz

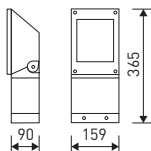
#### Installation

Ceiling, wall or floor surface mounted

Features



LED and control gear included



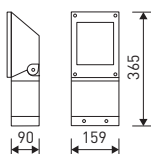
<p>31,5W 12° control gear EL 4600 lm 3000K <b>11.1673.1311.21</b> 4000K <b>11.1673.1411.21</b></p>	<p>31,5W 12° control gear ELDD 4600 lm 3000K <b>11.1673.1313.21</b> 4000K <b>11.1673.1413.21</b></p>
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<p>31,5W 24° control gear EL 4600 lm 3000K <b>11.1673.1321.21</b> 4000K <b>11.1673.1421.21</b></p>	<p>31,5W 24° control gear ELDD 4600 lm 3000K <b>11.1673.1323.21</b> 4000K <b>11.1673.1423.21</b></p>
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<p>31,5W 36° control gear EL 4600 lm 3000K <b>11.1673.1331.21</b> 4000K <b>11.1673.1431.21</b></p>	<p>31,5W 36° control gear ELDD 4600 lm 3000K <b>11.1673.1333.21</b> 4000K <b>11.1673.1433.21</b></p>
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LED and control gear included



<p>31,5W -15° asimetric control gear EL 4600 lm 3000K <b>11.1673.1351.21</b> 4000K <b>11.1673.1451.21</b></p>	<p>31,5W -15° asimetric control gear ELDD 4600 lm 3000K <b>11.1673.1353.21</b> 4000K <b>11.1673.1453.21</b></p>
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<p>31,5W 15° asimetric control gear EL 4600 lm 3000K <b>11.1673.1361.21</b> 4000K <b>11.1673.1461.21</b></p>	<p>31,5W 15° asimetric control gear ELDD 4600 lm 3000K <b>11.1673.1363.21</b> 4000K <b>11.1673.1463.21</b></p>
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<p>31,5W 40° asimetric control gear EL 4600 lm 3000K <b>11.1673.1371.21</b> 4000K <b>11.1673.1471.21</b></p>	<p>31,5W 40° asimetric control gear ELDD 4600 lm 3000K <b>11.1673.1373.21</b> 4000K <b>11.1673.1473.21</b></p>
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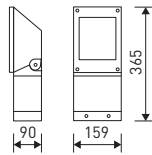
Features



LED



LED and control gear included



51W  
12°  
control gear EL  
6100 lm  
3000K **11.1673.2311.21**  
4000K **11.1673.2411.21**

51W  
12°  
control gear ELDD  
6100 lm  
3000K **11.1673.2313.21**  
4000K **11.1673.2413.21**

51W  
24°  
control gear EL  
6100 lm  
3000K **11.1673.2321.21**  
4000K **11.1673.2421.21**

51W  
24°  
control gear ELDD  
6100 lm  
3000K **11.1673.2323.21**  
4000K **11.1673.2423.21**

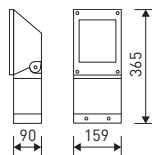
51W  
36°  
control gear EL  
6100 lm  
3000K **11.1673.2331.21**  
4000K **11.1673.2431.21**

51W  
36°  
control gear ELDD  
6100 lm  
3000K **11.1673.2333.21**  
4000K **11.1673.2433.21**

LED



LED and control gear included



51W  
-15° asimetric  
control gear EL  
6100 lm  
3000K **11.1673.2351.21**  
4000K **11.1673.2451.21**

51W  
-15° asimetric  
control gear ELDD  
6100 lm  
3000K **11.1673.2353.21**  
4000K **11.1673.2453.21**

51W  
15° asimetric  
control gear EL  
6100 lm  
3000K **11.1673.2361.21**  
4000K **11.1673.2461.21**

51W  
15° asimetric  
control gear ELDD  
6100 lm  
3000K **11.1673.2363.21**  
4000K **11.1673.2463.21**

51W  
40° asimetric  
control gear EL  
6100 lm  
3000K **11.1673.2371.21**  
4000K **11.1673.2471.21**

51W  
40° asimetric  
control gear ELDD  
6100 lm  
3000K **11.1673.2373.21**  
4000K **11.1673.2473.21**





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The perfect blend of technology and design, with sophistication and simplicity. Efficiency, long lifespan, stable light flow and immediate regulation response. Specifically created for high voltage and high efficiency applications.



Made in extruded aluminium protective clear glass.  
Stainless steel screens. Die cast end caps.

**Features**

Body made of Die-cast aluminium. It built-in Silicone gaskets, stainless steel fasteners, tempered protection glass and aluminium Die-Cast bracket-arms.

**Installation**

Mounted to ceiling, floor or wall surfaces.  
Canal S offers a infinity of models that give architects and lighting designer's unlimited inspiration and freedom when creating lighting scene in a wide range of situations.

- Wall-washer: functions as a projector, from inside or outside the building.
- Spot projector due to its power, with medium beam.
- The Canal S luminaire projects light up to 45 meters.
- This allows illumination and highlighting architectural features of great height such as columns, ribs and projections, giving a new illuminations dimension, impossible before.
- Luminescent buildings. It can be used between the facade and the second skin of the building; this creates an enormous edifice of light, with beams flowing out of the building, generating luminosity and life.



**Power**

LED 10,3W, 20,7W, 31,5W, 41,4W, 39,6W, 59,4W, 78,3W

**Beam**

LED 25° (Other optics on request)

**Colour temperature**

6500K cold white - CRI ≥ 80 (Other colour temperatures on request)

**Nominal flux**

10,3W - 713 lm, 20,7W - 1427 lm, 31,5W - 2140 lm  
41,4W - 2854 lm, 39,6W - 2854 lm, 59,4W - 4282 lm, 78,3W - 5710 lm

**Nominal lumen output**

Electronic (EL) (Other outputs on request)

**IP**

IP66 - IK08

**Finishes**

Grey

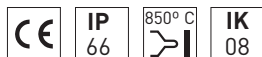
**Supply voltage**

220...230V, 50/60Hz

**Installation**

Mounted to ceiling, floor or wall surfaces

Features



Versions:

- LED colours: Warm white 3000°K, Neutral white 4000°K, RGB, on request
- Regulation: DALI, DMX, PWM, on request
- 50°, 90°, elliptical or vial light distribution on demand

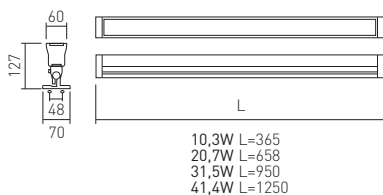
LED



Zenithal bracket included  
(2 units)



LED and control gear included



10,3W  
25°  
365mm  
713 lm  
6500K **LD139503604000**

20,7W  
25°  
1427 lm  
6500K **LD139506504000**

31,5W  
25°  
2140 lm  
6500K **LD139509504000**

41,4W  
25°  
2854 lm  
6500K **LD139512504000**

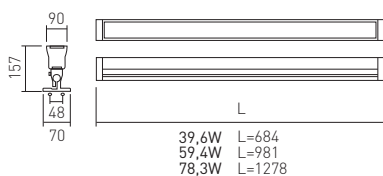
LED



Zenithal bracket included  
(2 units)



LED and control gear included



39,6W  
25°  
2854 lm  
6500K **LD101506804000**

59,4W  
25°  
4282 lm  
6500K **LD101509804000**

78,3W  
25°  
5710 lm  
6500K **LD101512704000**

Modern industrial luminaire manufactured with high efficiency LED to achieve good quality and aesthetic appearance, energy saving and high performance. Thanks to the long life of the light sources and not requiring maintenance, the luminaire can be used successfully in areas of difficult access and at high heights such as production premises, warehouses, sports centres, car parks, facades, industrial buildings.

#### Features

Housing made of Die cast aluminium in black colour.  
The diffuser made of clear, hardened pane.  
Mounting on an adjustable clamp.



#### Power

50W, 100W, 140W, 55W, 109W, 148W

#### Beam

Narrow (50°), flood (120°), vial

#### Colour temperature

5000K cold white - CRI  $\geq$  70

#### Nominal lumen output

50W – 5400 lm, 100W – 10800 lm, 140W – 15000 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP68, IK08

#### Finishes

Black

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Mounted to ceiling, floor or wall surfaces

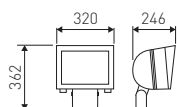
Features



Finishes



LED and control gear included



<p>50W Narrow 5400 lm 5000K <b>AG0D4TLH054N75</b></p>	<p>50W Flood 5400 lm 5000K <b>AG0D4TLH054F75</b></p>	<p>50W Vial 5400 lm 5000K <b>AG0D4TLH054SM75</b></p>
<p>100W Narrow 10800 lm 5000K <b>AG0D4TLH0108N75</b></p>	<p>100W Flood 10800 lm 5000K <b>AG0D4TLH0108F75</b></p>	<p>100W Vial 10800 lm 5000K <b>AG0D4TLH0108SM75</b></p>
<p>140W Narrow 15000 lm 5000K <b>AG0D4TLH0150N75</b></p>	<p>140W Flood 15000 lm 5000K <b>AG0D4TLH0150F75</b></p>	<p>140W Vial 15000 lm 5000K <b>AG0D4TLH0150SM75</b></p>

LED projectors designed to create outdoor light environments with a minimum energy consumption. Ideal solutions to lit up gardens, patios, façades...

**Features**

Body built in cast aluminium, painted in anthracite-grey for outdoor environments. It incorporates a 4mm tempered glass, and it is supplied with a 1.5mts connection cable. Available with 20 and 40-degree lenses, in 3000K and 4000K.

**Installation**

It can be installed attached to horizontal or vertical surfaces or directly to the ground on soft soils by using a stake sold as accessory.



**Power**

LED 6W, 12W, 18W, 52W

**Beam**

LED 20°, 45°, 30°

**Colour temperature**

3000K warm white - CRI ≥ 80  
4000K neutral white - CRI ≥ 80

RGB

**Nominal lumen output**

6W - 472 lm / 389 lm  
12W - 1014 lm / 846 lm  
18W - 1960 lm / 1628 lm  
52W - 1483 lm

**Control gear**

Electronic (EL)

**IP - IK**

IP68, IK08

**Finishes**

Anthracite (22)

**Supply voltage**

220... 240V, 50/60Hz / 24V RGB

**Installation**

Attached to horizontal or vertical

**Accessories**

Stick for ground installation  
RGB control elements

Features



<p>LED</p> <p>LED and control gear included</p>		<p>Ø90 98 130</p>	<p>6W 20° 472 lm 3000K <b>11.1606.1831.22</b> 4000K <b>11.1606.1841.22</b></p>	<p>6W 45° 389 lm 3000K <b>11.1606.1832.22</b> 4000K <b>11.1606.1842.22</b></p>
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<p>LED</p> <p>LED and control gear included</p>		<p>Ø130 75 193</p>	<p>12W 20° 1014 lm 3000K <b>11.1606.2831.22</b> 4000K <b>11.1606.2841.22</b></p>	<p>12W 45° 846 lm 3000K <b>11.1606.2832.22</b> 4000K <b>11.1606.2842.22</b></p>
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<p>LED</p> <p>LED and control gear included</p>		<p>Ø177 89 263</p>	<p>18W 20° 1960 lm 3000K <b>11.1606.3831.22</b> 4000K <b>11.1606.3841.22</b></p>	<p>18W 45° 1628 lm 3000K <b>11.1606.3832.22</b> 4000K <b>11.1606.3842.22</b></p>
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<p>LED</p> <p>LED included</p>		<p>Ø230 236 Ø204 88</p>	<p>52W 30° 1483 lm 24V RGB <b>11.1606.4881.22</b></p>	
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Accessories

<p>Spike</p> <p>Base for stake in polyamide L= 210 mm For 6W <b>11.1606.0001.22</b></p>	<p>Base for stake in polyamide L= 308 mm For 12W/18W <b>11.1606.0002.22</b></p>
<p>RGBW, RGB, TW controller <b>11.1655.0001.00</b></p>	<p>RGB &amp; RGBW touch panel <b>11.1655.0002.00</b></p>
<p>RGB &amp; RGBW remote control Master <b>11.1655.0001.00</b></p>	<p>24V power supply for 60W <b>11.1801.7011.00</b></p>



Fargo is an industrial LED projector for indoor or outdoor applications. Suitable for difficult access areas such as, facades, fences, roofs ...  
The construction materials are resistant to weathering and acts of vandalism.

**Features**

Body built in aluminium. Protective glass.  
Suitable to be surface mounted in walls, ceilings.



WHITOUT sensor



WHIT sensor



**Power**

LED 9,2W, 25W, 44,2W, 93W, 134W, 180W

**Beam**

100°, 110°, 115°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

9,2W - 1269 lm, 25W - 3292 lm, 44,2W - 5140 lm, 93W - 11800 lm, 134W - 16800 lm, 180W - 24600 lm

**Control gear**

Electronic (EL)

**IP - IK**

IP65 - IK08

**Finishes**

Black (04)

**Supply voltage**

100...240V, 50/60 HZ

**Installation**

Mounted to ceiling, floor or wall surfaces and poles

Features



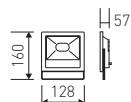
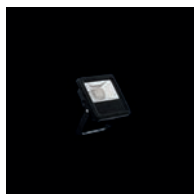
Finishes



LED

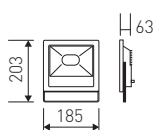


LED and control gear included



9,2W  
100°  
1269 lm  
4000K **11.5100.1401.04**

9,2W  
100°  
1269 lm  
WITH SENSOR -IP44  
4000K **11.5100.1409.04**



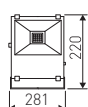
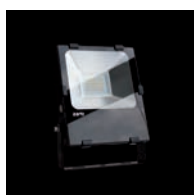
25W  
100°  
3292 lm  
4000K **11.5100.3401.04**

25W  
100°  
3292 lm  
WITH SENSOR -IP44  
4000K **11.5100.3409.04**

LED



LED and control gear included

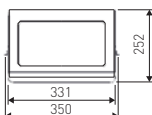


44,2W  
110°  
5140 lm  
4000K **11.5100.4401.04**

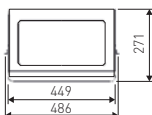
LED



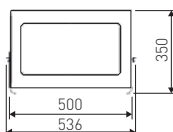
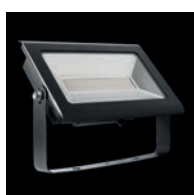
LED and control gear included



93W  
115°  
11800 lm  
4000K **11.5100.5401.04**



134W  
115°  
16800 lm  
4000K **11.5100.6401.04**



180W  
115°  
24600 lm  
4000K **11.5100.7401.04**

Single is a small LED retrofit projector. Suitable for localised lighting, easy to integrate in the greenery of a garden, balconies, columns and facades in residential hoteliers projects.

**Features**

Body built in cast aluminium, painted in anthracite grey for outdoor environments. It incorporates a 3mm tempered glass, stainless steel top cover, and it is supplied with a 1.5mts connection cable. For GU10 lamp (lamp not included).

**Installation**

It can be installed directly onto the ground on soft soils by using a stake. Spike built-in. Suitable for underwater installation (IP68).



**Power**

GU10 Max. 35W

**IP**

IP68 - IK04

**Finishes**

Anthracite (22)

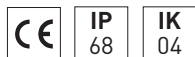
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Surface mounted on Ceiling wall or floor and on Poles  
Suitable for underwater installation (IP68)

## Features

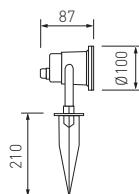


Requires control gear

LED GU10

Spike included

For LED retrofit lamp

Max. 35W  
**11.0779.0001.22**

# OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

# 2 POLES



Riddle  
p. 294



Streetpark  
p. 298



Kubik Pole L  
p. 300



Kubik Pole T  
p. 300



Filar  
p. 302

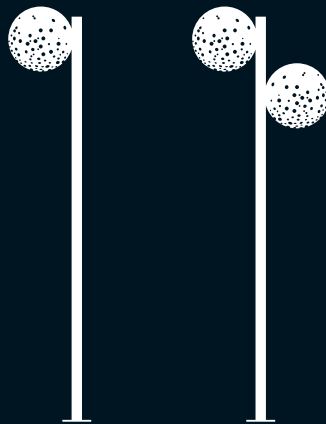


Pareo  
p. 304

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Like sunlight filtering through leaves .... that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas.

The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.







Built from high quality cast aluminium, and then machined and anodised in silver grey.

**Features**

Integrated electronic ballast for metal HIT 150W halide lamps.

**Columns**

Also included when ordering refs. 6601/150 and 6602/300, forming a unit with the luminaires.

They are cylindrical and made of galvanized steel, with their own inspection hatch.

The upper part has channels to alter the height of the fixture mount by up to 600 mm.

This means that the installation can have several light points in an intentionally irregular pattern, which emphasises the overall sculptural concept.



**Power**

LED 75W, 2x75W

**Beam**

120°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

LED 75W - 10000lm

**Control gear**

Electronic (EL)

**IP - IK**

IP65 - IK10

**Finishes**

Grey [21]

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Floor

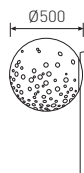
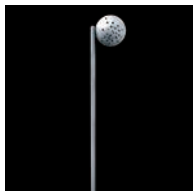
## Features



Luminaire made of aluminium.

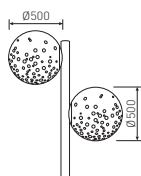
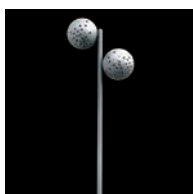
Cylindrical columns made of galvanized steel and painted. Columns included. Height 3.5m.

LED



75W  
120°  
10000 lm  
Weight of fixture 15,6 kg. (without column)  
3000K **11.6601.2083.21**  
4000K **11.6601.2084.21**

Control gear included



2x75W  
120°  
2 x10000 lm  
Weight of 2 luminaires 31,3 kg. (without column)  
3000K **11.6602.2083.21**  
4000K **11.6602.2084.21**

Control gear included



Streetpark belongs to a new generation of urban lighting luminaires, designed with high lighting efficiency based on the use of LED's and with an optical group which ensures the efficiency of the fixture and, at the same time, high visual comfort.

#### Energy efficiency

The energy saving of Streetpark is more than 30% compared with conventional public lighting. A reduction in energy consumption means fewer emissions of greenhouse gases. Moreover, Streetpark is doubly efficient thanks to the custom designed control gear used to ensure fulfilment of high energy efficiency (90-95% according to load) and its adjustment with which makes it possible to vary levels of intensity.

#### Excelent performance

Streetpark offers good photometric results, with excellent visual comfort and a high level of visual uniformity.

Visual comfort. Streetpark includes an optical system to maximise light flow. With this system the optical group can be configurable, with the possibility of directing the light to achieve a symmetrical or asymmetrical distribution and offer several options according to the application.

#### Design

Streetpark's design makes it fit in perfectly with the surroundings, ensuring the total absence of emission of flow to the upper hemisphere (FUH) and helping reduce maintenance costs.



#### Power

LED 36W, 52W, 71W, 104W, 135W

#### Beam

narrow (50°), flood (120°), vial

#### Colour temperature

5000K cold white - CRI  $\geq$  70

#### Nominal lumen output

36W - 5000 lm, 52W - 7500 lm, 71W - 10000 lm,  
104W - 15000 lm, 135W - 19000 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP66, IK09

#### Finishes

Grey

#### Supply volatge

220... 230V, 50/60Hz

#### Installation

On pole  $\varnothing$ 60mm

Features



Finishes



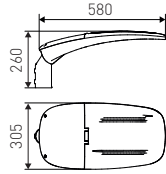
Versions:

3000K and 4000K versions on demand

LED



LED and control gear included



36W  
5000 lm  
5000K  
Narrow **AG050SPNHE39N759**  
Flood **AG050SPNHE39F759**  
Vial **AG050SPNHE39SM759**

52W  
7500 lm  
5000K  
Narrow **AG050SPNH054N759**  
Flood **AG050SPNH054F759**  
Vial **AG050SPNH054SM759**

71W  
10000 lm  
5000K  
Narrow **AG050SPNHE78N759**  
Flood **AG050SPNHE78F759**  
Vial **AG050SPNHE78SM759**

104W  
15000 lm  
5000K  
Narrow **AG050SPNH0108N759**  
Flood **AG050SPNH0108F759**  
Vial **AG050SPNH0108SM759**

135W  
19000 lm  
5000K  
Narrow **AG050SPNH0141N759**  
Flood **AG050SPNH0141F759**



Outdoor luminaire set with last generation and high efficiency LED light sources. The optical system has been designed and optimized for road and street light, but also for lighting parks, gardens ...etc. Kubik Pole offers optimum performance with uniform lighting distribution Easy installation without use of tooling and easy maintenance.

#### Features

Aesthetic body built in extruded aluminium resistant to corrosion with especial poles design. Luminaires up to 6 m high can be used safely in the first and third zones of wind [according to PN-EN 1991-1-4] and in the categories of third and fourth terrain [according to PN-EN 40-3-1: 2004]. Wind zone II and other terrain categories will require an individual evaluation of the application.



#### Power

LED Kubik Pole L: 36W, 52W, 71W, 104W

LED Kubik Pole T: 75W, 104W, 142W, 208W

#### Beam

Narrow (50°), flood (120°) vial

#### Colour temperature

5000K cold white - CRI  $\geq$  70

#### Nominal lumen output

Kubik Pole L: 36W - 5000 lm, 52W - 7500 lm, 71W - 10000 lm,  
104W - 15000 lm

Kubik Pole T: 75W - 10000 lm, 104W - 15000 lm, 142W - 20000 lm,  
208W - 30000 lm

#### Control gear

Electronic (EL)

#### IP

IP65

#### Finishes

Black

#### Supply voltage

220... 230V, 50/60Hz

#### Installation

Floor

#### Accessories

Installation base

Features



Finishes



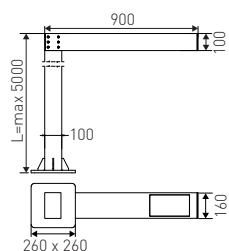
Versions:

3000K and 4000K versions on demand

Kubik pole L



LED and control gear included

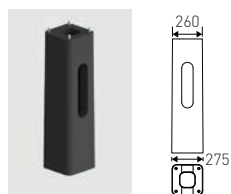


36W Vial 5000 lm 5000K 3m <b>AG0C4K3L50SM047579</b>	36W Vial 5000 lm 5000K 4m <b>AG0C4K4L50SM047579</b>	36W Vial 5000 lm 5000K 5m <b>AG0C4K5L50SM047579</b>
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54W Vial 7500 lm 5000K 3m <b>AG0C4K3L75SM047579</b>	54W Vial 7500 lm 5000K 4m <b>AG0C4K4L75SM047579</b>	54W Vial 7500 lm 5000K 5m <b>AG0C4K5L75SM047579</b>
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71W Vial 10000 lm 5000K 3m <b>AG0C4K3L100SM047579</b>	71W Vial 10000 lm 5000K 4m <b>AG0C4K4L100SM047579</b>	71W Vial 10000 lm 5000K 5m <b>AG0C4K5L100SM047579</b>
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Accessories



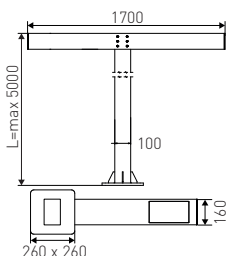
Installation base  
**17ROFU311151**

104W Vial 15000 lm 5000K 3m <b>AG0C4K3L150SM047579</b>	104W Vial 15000 lm 5000K 4m <b>AG0C4K4L150SM047579</b>	104W Vial 15000 lm 5000K 5m <b>AG0C4K5L150SM047579</b>
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Kubik pole T



LED and control gear included



75W Vial 10000 lm 5000K 3m <b>AG0C4K3T100SM047579</b>	75W Vial 10000 lm 5000K 4m <b>AG0C4K4T100SM047579</b>	75W Vial 10000 lm 5000K 5m <b>AG0C4K5T100SM047579</b>
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104W Vial 15000 lm 5000K 3m <b>AG0C4K3T150SM047579</b>	104W Vial 15000 lm 5000K 4m <b>AG0C4K4T150SM047579</b>	104W Vial 15000 lm 5000K 5m <b>AG0C4K5T150SM047579</b>
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142W Vial 20000 lm 5000K 3m <b>AG0C4K3T200SM047579</b>	142W Vial 20000 lm 5000K 4m <b>AG0C4K4T200SM047579</b>	142W Vial 20000 lm 5000K 5m <b>AG0C4K5T200SM047579</b>
--	--	--

Accessories



Installation base  
**17ROFU311151**

208W Vial 30000 lm 5000K 3m <b>AG0C4K3T300SM047579</b>	208W Vial 30000 lm 5000K 4m <b>AG0C4K4T300SM047579</b>	208W Vial 30000 lm 5000K 5m <b>AG0C5K3T300SM047579</b>
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Architectural luminaire designed to light outdoor spaces such as public squares, parks, garden areas, corporative buildings, and open areas in Hotels, theatres, as well as urban leisure spaces.

**Features**

Body built in aluminium with diffuser tube in acrylic satin material. Luminaire sets a high luminous efficacy LED panel which provide 3000lm (4000K) or 5000 lm (5000K). Electronic gear included.



**Power**

LED 26W, 39W

**Beam**

360°

**Colour temperature**

4000K neutral white - CRI ≥ 85

5000K cold white - CRI ≥ 75

**Nominal lumen output**

25W - 3000 lm, 37W - 5000 lm

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

Black

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Floor

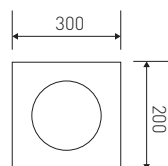
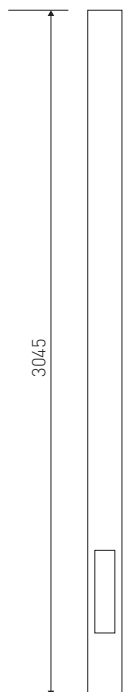
## Features



LED



LED and control gear included



25W  
360°  
3000 lm  
4000K **AGOL1SL30APCY**

37W  
360°  
5000 lm  
5000K **AGOL1SL50WPCY**



Pareo is a functional luminaire for outdoor applications with a neutral aesthetic to allow easy integration into the environment. It is built with high efficiency LED sources and is specially designed to be used in squares, parks and gardens, as well as in pedestrian areas of cities.

**Features**

Body made of cast aluminium with transparent diffuser made of polycarbonate highly resistant to mechanical factors (IK09). The external shell provides a high level of resistance to atmospheric conditions and environmental factors (IP54).

**Installation**

Installation on poles. Mounting diameter 60 mm.

**Power**

LED 16W, 22.5W, 33W

**Beam**

160°

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

16W - 3000lm, 22,5W - 4000lm, 33W - 6000lm

**Control gear**

Electronic (EL)

**IP / IK**

IP54 / IK09

**Finishes**

Black

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Installation on poles. Mounting diameter 60 mm.

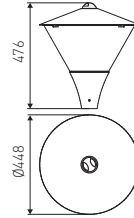
Features



Finishes



LED and control gear included



16W  
160°  
3000 lm  
4000K **AG019PNLED302104**

22.5W  
160°  
4000 lm  
4000K **AG019PNLED402104**

33W  
160°  
6000 lm  
4000K **AG019PNLED602104**

# OUT

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POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

# 3 BOLLARDS



Riddle  
p.308



Plolar  
p. 310



Mark  
p.312



Kubik Pole 4D  
p.314



Kubik Pole Soft  
p.314

Like sunlight filtering through leaves .... that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas.

The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.

**Features**

**500 mm. diameter**

Built from high quality cast aluminium, and then machined and anodised in silver grey. Integrated electronic ballast for metal HIT 70W halide lamps.

**250 mm. diameter**

Injection moulding polycarbonate, then machined and anodised in silver grey.



**Power**

LED 9,5W, 54W

**Colour temperature**

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

9,5W - 960 lm, 54W - 8400 lm

**Control gear**

Electronic (EL)

**IP - IK**

IP65, IK08

**Finishes**

Grey [21]

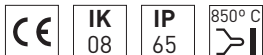
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

As floor-mounted signalling fixture

Features



Finishes



Versiones:

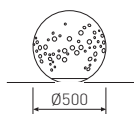
Other finished colour on demand

LED



9,5W  
960 lm  
Ø250 mm  
3000K **11.6603.1083.21**  
4000K **11.6603.1084.21**

LED and control gear included



54W  
8400 lm  
Ø500 mm  
3000K **11.6600.2083.21**  
4000K **11.6600.2084.21**



Spain

Polar is a LED bollard designed for signalling outdoor pedestrian areas. A solution for horizontal lighting that distributes light generously and in a pleasant way, without emission in the upper hemisphere, thus avoiding light pollution.

#### Features

Columns built in extruded aluminium, painted for the outdoors, high-purity aluminium reflector, with frosted polycarbonate diffuser, LED and equipment incorporated.



#### Power

LED 8W

#### Beam

100°

#### Colour temperature

3000K warm white - CRI  $\geq$  80  
4000K neutral white - CRI  $\geq$  80

#### Nominal lumen output

8W - 800 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP65, IK08

#### Finishes

Anthracite (22)

#### Supply voltage

100... 240V, 50/60Hz

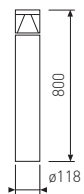
#### Installation

Floor

## Features



LED and control gear included



8W  
100°  
800 lm  
3000K **11.7600.0033.22**  
4000K **11.7600.0043.22**

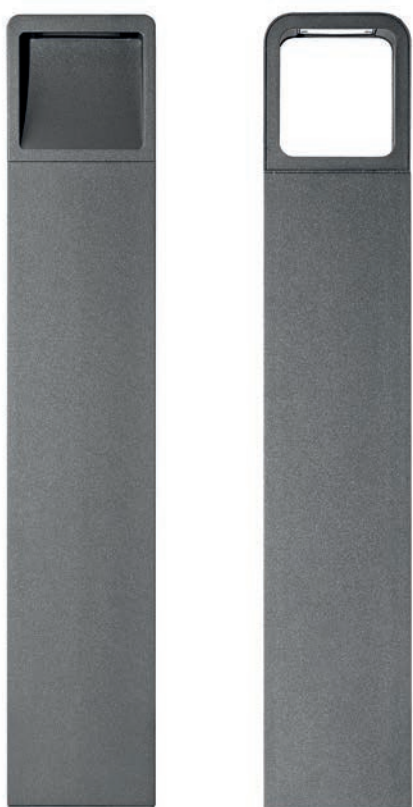




LED solutions designed to signal gardens and pedestrian areas, with a design that embellishes and delimits the outdoor spaces.

**Features**

Columns built in extruded aluminium, painted for the outdoors, LED and system incorporated.



**Power**

LED 5,4W, 6,3W

**Beam**

150° - bañador

**Colour temperature**

3000K warm white - CRI  $\geq$  80  
4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

5,4W - 265 lm, 6,3W - 254 lm

**Control gear**

Electronic (EL)

**IP**

IP54

**Finishes**

Anthracite [22]

**Supply voltage**

220... 240V, 50/60Hz

**Installation**

Floor

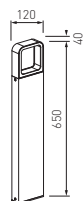
## Features



LED



LED and control gear included

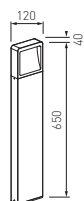


5,4W  
265 lm  
3000K **11.7600.0032.22**  
4000K **11.7600.0042.22**

LED



LED and control gear included



6,3W  
254 lm  
3000K **11.7600.0031.22**  
4000K **11.7600.0041.22**



The illumination of roads, sidewalks and passageways in outdoor spaces serves as a guide for the spectator, but it must also be integrated into the natural environment in which it is located. The balance between functionality and mimicry with the environment is fundamental for good landscape lighting.

**Features**

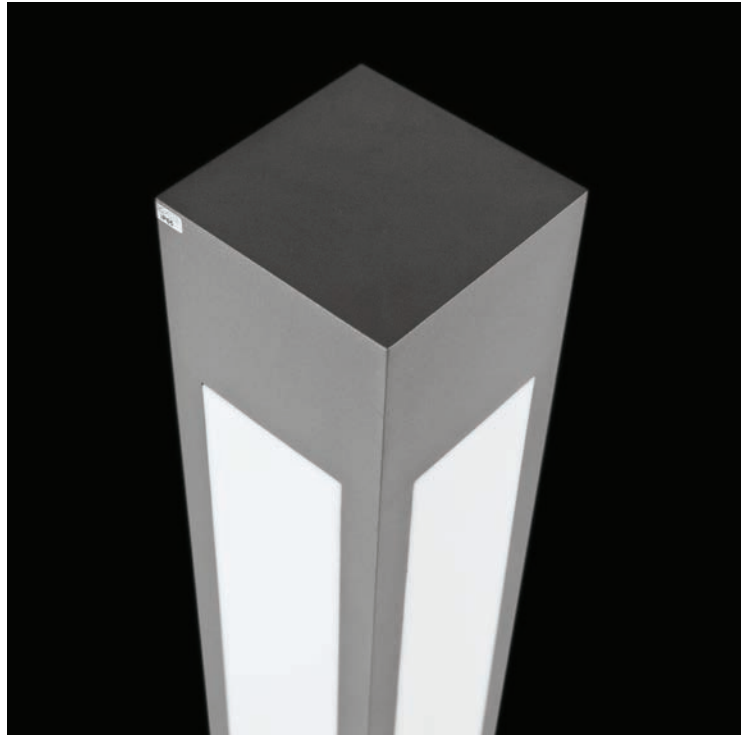
Kubik pole is made of black painted aluminium and mounts high efficiency hermetic LED modules that minimize consumption.

Kubik Pole 4D has an open design on the 4 sides of the luminaire that accentuates the lightness and allows a better integration into the landscape minimizing

Kubik Pole Soft offers illuminated versions on one side or on the 4 labalized faces that allow to direct the lighting where it is needed, minimizing the light pollution in the open spaces.

**Installation**

Surface mount on floor with specially designed foundations. Precise accessories 2TJ5782-3 or 2TJ5782-4



**Power**

Kubik Pole 4D: LED 18W, 37W, 58W

Kubik Pole Soft: LED 28W

**Colour temperature**

4000K cold white - CRI ≥ 80

**Control gear**

Electronic (EL)

**IP - IK**

IP65, IK08

**Finishes**

Dark Grey

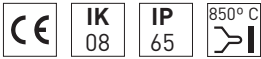
**Supply voltage**

220... 240V, 50/60Hz

**Installation**

As floor-mounted signalling fixture with specially designed foundations. Precises accessories 2TJ5782-3 or 2TJ5782-4

Features



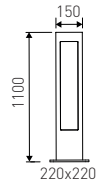
Finishes



LED



LED and Control gear included

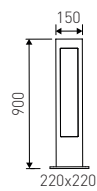


■  
18W  
120°  
2000 lm  
4000K **AG0C4K4D11L20SMG849**

■  
36W  
120°  
3900 lm  
4000K **OC4K4D11L39SMG849**

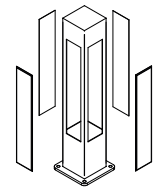
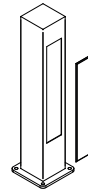
LED

LED and Control gear included



■  
25W  
1 cara  
3000 lm  
4000K **AG0C4K91S30A**

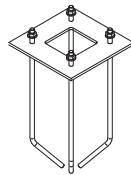
■  
25W  
4 caras  
3000 lm  
4000K **AG0C4K94S30A**



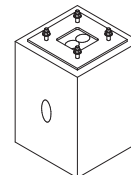
Accessories

Anchors for concrete installation

**AG2TJ5782-3**



**AG2TJ5782-4**



# OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

# 4

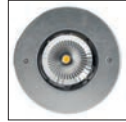
## RECESSED



Mini-up  
p. 318



Small-up  
p. 320



Atlante  
p. 322



Canal  
p. 324



e-Wall  
p. 328



Num  
p. 330

Mini-up is a full program of small recessed lights with LED in various colours, that provides low level perimeter illumination for safe orientation as step or exit signing, etc. Available in round and square shapes, Mini-up is most suitable on walkways areas and has a variety of uses.

#### Features

Recessed luminaire with injected aluminium body, painted with protection for the outdoors. Stainless steel front in two versions, round and square. Tempered 5mm thick glass. It holds a weight of 780Kg. It is supplied with PVC niche. 20-degree opening angle. It is supplied with a 0.5mts connection cable.

IP68 version available, suitable for dived installations. Built-in gear, except for dived versions.



Edificio Torrero y Plaza Monzón, España

#### Power

LED 3W

#### Beam

20°

#### Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

2,6W - 139 / 174 lm, 3W - 120 / 139 lm

#### Control gear

Electrónico (EL)

#### IP - IK

IP67, IP68, IK06, IK09

#### Finishes

Inox [20]

#### Supply voltage

220... 240V, 50/60Hz

24VDC (dived version)

#### Installation

Floor recessed

Features



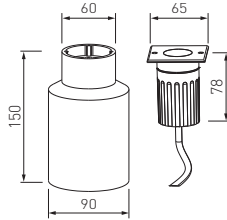
Housing included

LED

IP 67 IK 08 20°

Resistance 780Kg

LED and control gear included



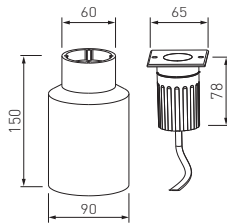
3W  
20°  
drill Ø 90  
120 lm - 3000K **11.5200.0031.20**  
139 lm - 4000K **11.5200.0041.20**

LED

IP 67 IK 08 20°

Resistance 780Kg

LED and control gear included

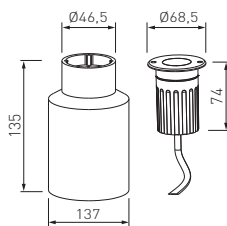


3W  
20°  
drill Ø 90  
120 lm - 3000K **11.5200.0032.20**  
139 lm - 4000K **11.5200.0042.20**

LED

IP 68 IK 06 20°

LED and control gear included



2,6W  
20°  
drill Ø 136  
139 lm - 3000K **11.5200.0033.20**  
174 lm - 4000K **11.5200.0043.20**





Small-Up is a set of recessed LED with an outer ring of stainless steel designed for floorings. Can be installed both outdoors and indoors. Its function is to illuminate and signal passageways.

### Features

Body made of die-cast aluminium with stainless steel front. 8mm tempered glass protection screen. The adjustable version holds loads up to 780Kg and up to 2.500Kg in case of the fixed version. Versions for grazing lighting in one, two or four openings, with capacity to hold up to 2.000Kg.

It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED and equipment incorporated.

The adjustable version has an outdoor gobo for adjustment.



Iberostar Hotel, Mexico

### Power

LED 3W - 6W

### Beam

20° - 1 Beam - 2 Beams - 4 Beams

### Colour temperature

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

### Nominal lumen output

6W - 376 / 478 lm

### Control gear

Electronic (EL)

### IP - IK

IP67, IK09, IK10

### Finishes

Inox [20]

### Supply voltage

220... 240V, 50/60Hz



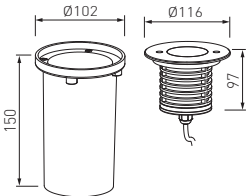
### Installation



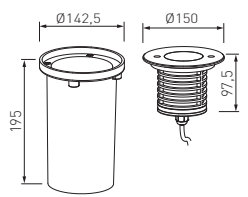
Floor recessed



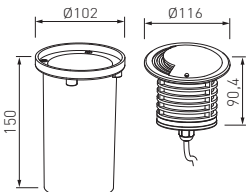
Features



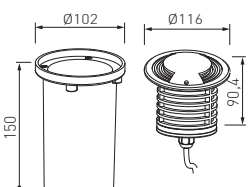




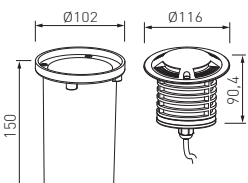
Housing included

<p>LED</p> <p><b>IK 09</b> </p> <p>Fixed Resistance 2.500Kg</p> <p><b>LED and control gear included</b></p>			<p>6W 20° 376 lm - 3000K <b>11.5202.0031.20</b> 478 lm - 4000K <b>11.5202.0041.20</b></p>
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<p>LED</p> <p><b>IK 09</b> </p> <p>Orientable 30° Resistance 780Kg</p> <p><b>LED and control gear included</b></p>			<p>6W 20° 376 lm - 3000K <b>11.5202.0032.20</b> 478 lm - 4000K <b>11.5202.0042.20</b></p>
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<p>LED</p> <p><b>IK 10</b> </p> <p>Resistance 2.000Kg</p> <p><b>LED and control gear included</b></p>			<p>3W 1 beam 376 lm - 3000K <b>11.5180.0031.22</b> 478 lm - 4000K <b>11.5180.0041.22</b></p>
--	--	--	--

<p>LED</p> <p><b>IK 10</b> </p> <p>Resistance 2.000Kg</p> <p><b>LED and control gear included</b></p>			<p>3W 2 beams 376 lm - 3000K <b>11.5180.0032.22</b> 478 lm - 4000K <b>11.5180.0042.22</b></p>
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<p>LED</p> <p><b>IK 10</b> </p> <p>Resistance 2.000Kg</p> <p><b>LED and control gear included</b></p>			<p>3W 4 beams 376 lm - 3000K <b>11.5180.0033.22</b> 478 lm - 4000K <b>11.5180.0043.22</b></p>
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Atlante is a range of recessed LED luminaires designed for medium sized indirect illumination of facades, trees or objects of small to medium sizes.

#### Features

Body made of die-cast aluminium with stainless steel front. 10mm tempered glass protection screen. It holds loads over 2900Kg. It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED COB and equipment incorporated; with 38-degree lens reflector.



Iberostar Hotel, Mexico

#### Power

LED 13W, 16W, 25W

#### Beam

12°

#### T° Color

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

#### Flujo nominal

13W - 1715 lm, 16W - 2194 lm, 25W - 3439 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP67, IK10

#### Finishes

Inox (20)

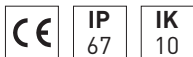
#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Floor recessed

Features



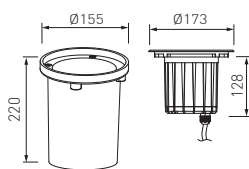
Housing included

LED

12°

Resistance 4.400Kg

LED and control gear included



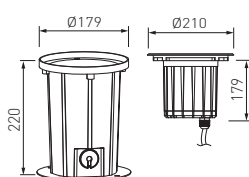
13W  
10°  
1715 lm  
3000K **11.5203.0031.20**  
4000K **11.5203.0041.20**

LED

12°

Resistance 2.900Kg

LED and control gear included



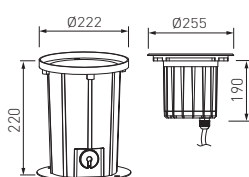
16W  
10°  
2194 lm  
3000K **11.5203.0032.20**  
4000K **11.5203.0042.20**

LED

12°

Resistance 5.000Kg

LED and control gear included



25W  
10°  
3439 lm  
3000K **11.5203.0033.20**  
4000K **11.5203.0043.20**



---

The perfect blend of technology and design, with sophistication and simplicity. Efficiency, long lifespan, stable light flow and immediate regulation response. Specifically created for high voltage and high efficiency applications.

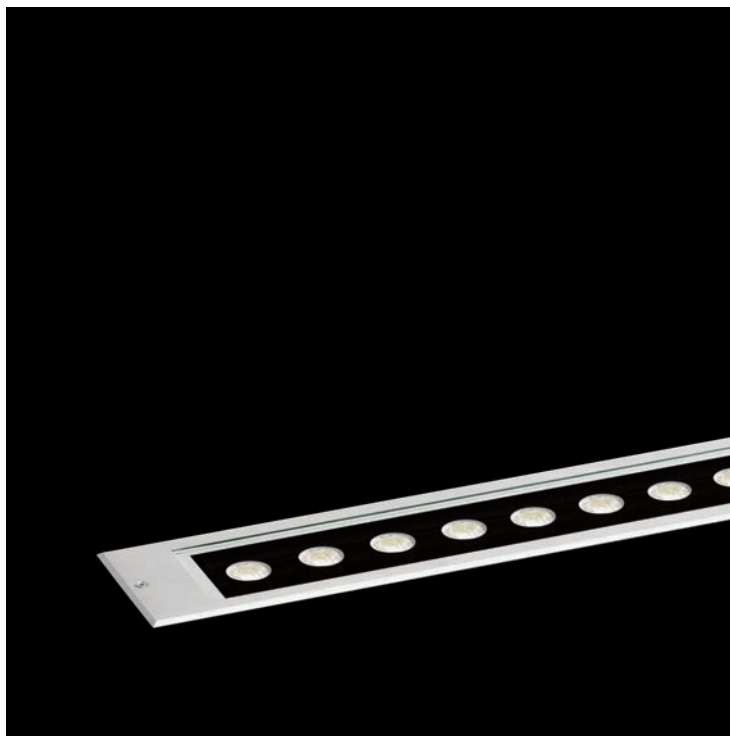


The Canal range of LED linear fixtures can be recessed into any surface indoors or outdoors, also into paving.

Canal is an excellent solution to provide nearby surfaces with a wash of light, in colour if required.

**Features**

Body made of extruded aluminium. Luminaire set a protection transparent glass diffuser.



Grand Hyatt Cairo, Egypt

**Power**

LED 9W, 18W, 27W

**Beam**

LED 8°, 60°, 15° x 90°

**Colour temperature**

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

**Nominal lumen output**

LED 9W - 500 lm, 18W - 1000 lm, 27W - 1500 lm

**Control gear**

Electronic (EL)

**IP**

IP67 - IK08

**Finishes**

Inox

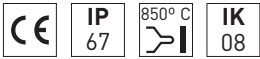
**Supply voltage**

220... 240V, 50/60Hz

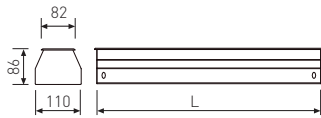
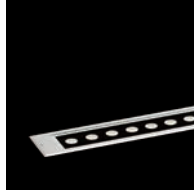
**Installation**

Floor recessed

Features



LED and control gear included



9W L= 402  
 18W L= 699  
 27W L= 996

<p>9W                      8°                      500 lm                      3000K <b>11.1693.1831.20</b>                      4000K <b>11.1693.1841.20</b></p>	<p>9W                      60°                      500 lm                      3000K <b>11.1693.1832.20</b>                      4000K <b>11.1693.1842.20</b></p>	<p>9W                      15° x 90°                      500 lm                      3000K <b>11.1693.1833.20</b>                      4000K <b>11.1693.1843.20</b></p>
<p>18W                      8°                      1000 lm                      3000K <b>11.1693.2831.20</b>                      4000K <b>11.1693.2841.20</b></p>	<p>18W                      60°                      1000 lm                      3000K <b>11.1693.2832.20</b>                      4000K <b>11.1693.2842.20</b></p>	<p>18W                      15° x 90°                      1000 lm                      3000K <b>11.1693.2833.20</b>                      4000K <b>11.1693.2843.20</b></p>
<p>27W                      8°                      1500 lm                      3000K <b>11.1693.3831.20</b>                      4000K <b>11.1693.3841.20</b></p>	<p>27W                      60°                      1500 lm                      3000K <b>11.1693.3832.20</b>                      4000K <b>11.1693.3842.20</b></p>	<p>27W                      15° x 90°                      1500 lm                      3000K <b>11.1693.3833.20</b>                      4000K <b>11.1693.3843.20</b></p>



e-Wall is a range of recessed LED for walls to provide grazing lighting and beaconing both for outdoors and indoors.

Available in different shapes, finishes and sizes.

#### Features

Outdoor recessed luminaire with stainless steel front and aluminium body. Opal polycarbonate diffuser. Available in versions with slats or diffuser. LEDs and equipment incorporated. It is supplied with a 0.5m connection cable.



#### Power

LED 1W, 6,5W

#### Beam

80°, 120°

#### Colour temperature

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

#### Nominal lumen output

1W - 31 lm / 34 lm, 6,5W - 66 lm / 80lm, 113 lm / 137 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP65, IK09, IK10

#### Finishes

Inox [20]

#### Supply voltage

220... 240V, 50/60Hz

#### Installation

Wall recessed

Features

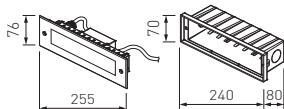


Polycarbonate protective diffuser



Diffuser

LED and control gear included

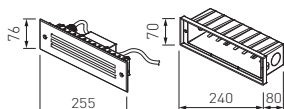


6,5W  
120°  
drill-hole 240 x 70  
113 lm - 3000K **11.5000.0031.20**  
137 lm - 4000K **11.5000.0041.20**



Louvers

LED and control gear included

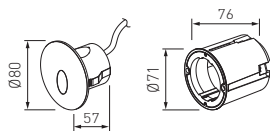


6,5W  
120°  
drill-hole 240 x 70  
66 lm - 3000K **11.5000.0032.20**  
80 lm - 4000K **11.5000.0042.20**



Circle

LED and control gear included

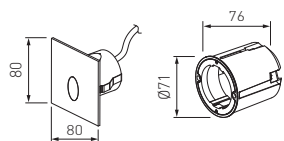


1W  
80°  
drill-hole Ø71  
31 lm - 3000K **11.5000.0033.20**  
34 lm - 4000K **11.5000.0043.20**



Squared

LED and control gear included



1W  
80°  
drill-hole Ø71  
31 lm - 3000K **11.5000.0034.20**  
34 lm - 4000K **11.5000.0044.20**

Num is a reduced range of recessed downlights suitable for places demanding a high degree of water-tightness – such as bathrooms, damp installations or outdoor porches.

#### Features

Cast aluminium body and hoop with special treatment for outdoor use. Protective clear glass. Stainless steel set screws.



#### Power

LED 13,5W, 25,7W

#### Beam

30°, 60°

#### Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

#### Nominal lumen output

13,5W - 1563 / 1528 lm, 25,7W - 2881 / 2819 lm

#### Control gear

Electronic (EL)

#### IP - IK

IP65 - IK06

#### Finishes

White (33)

#### Supply voltage

220... 240V, 50/60Hz

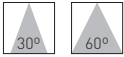
#### Installation

Ceiling recessed

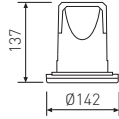
Features



LED



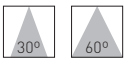
LED and control gear included



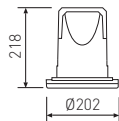
□  
13,5W  
30°  
drill hole Ø 125  
1563 lm  
3000K **11.0460.8300.33**  
4000K **11.0460.8400.33**

□  
13,5W  
60°  
drill hole Ø 125  
1528 lm  
3000K **11.0460.8301.33**  
4000K **11.0460.8401.33**

LED



LED and control gear included



□  
25,7W  
30°  
drill hole Ø 182  
2881 lm  
3000K **11.0460.8310.33**  
4000K **11.0460.8410.33**

□  
25,7W  
60°  
drill hole Ø 182  
2819 lm  
3000K **11.0460.8311.33**  
4000K **11.0460.8411.33**



# OUT

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BOLLARDS p. 306

RECESSED p. 312

SURFACE p. 332

# 5

## SURFACE



Riddle S  
p. 334



Luxwall  
p. 336



Beryl Proof  
p. 338



Kubik  
p.340



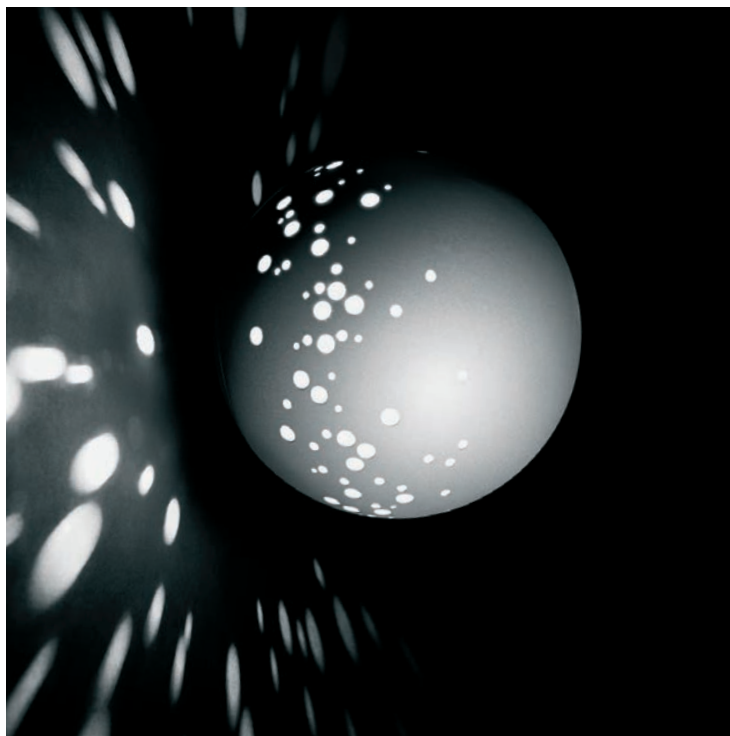
Apliques  
p.342

Like sunlight filtering through leaves .... that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas.

The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.

**Features**

Body made of injected polycarbonate that later is drilled and painted in silver grey. Available in two versions: attached to walls or ceilings and ceiling hanging.



**Power**

LED 9,5W, 18W, 54W

**Colour temperature**

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

9,5W - 960 lm, 18W - 3000 lm, 54W - 8400 lm

**Control gear**

Electronic (EL)

**IP - IK**

IP65 - IK08

**Finishes**

Grey [21]

**Supply voltage**

220... 240V, 50/60Hz

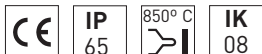
**Installation**

wall, ceiling, suspended

**Accessory**

Suspension for ceiling hanging

Features



Finishes



LED



9,5W  
960 lm  
Ø250 mm  
3000K **11.6603.1083.21**  
4000K **11.6603.1084.21**

LED and control gear included

LED



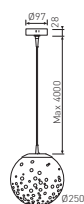
9,5W  
960 lm  
Ø250 mm  
3000K **11.6604.1083.21**  
4000K **11.6604.1084.21**

LED and control gear included



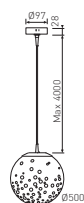
Hanging accessory  
For ref: 11.6604  
**20/6604/21**

LED



18W  
3000 lm  
Ø250 mm  
3000K **11.6606.1083.21**  
4000K **11.6606.1084.21**

LED and control gear included



54W  
8400 lm  
Ø500 mm  
3000K **11.6606.2083.21**  
4000K **11.6606.2084.21**



Square-format luminaire with lenses, that allows creation of different light effects. Luminaires can be set up with one Beam, two beams, three beams, or four beams to create emission beams single, double, triple or fourfold over façades, walls or passing areas.

**Features**

Body built in aluminium specially coated with bad environmental conditions resistant paint. Luminaire with high protection degree: IP65. Electronic gear built in the luminaire. Surface mounted installation.



**Power**

LED 20W

**Beam**

Asymmetric

**Nominal lumen output**

3300 lm

**Colour temperature**

4000K neutral white - CRI  $\geq$  80

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

White

Grey

Anthracite

**Supply voltage**

220...240V, 50/60Hz

**Intallation**

Surface

Features



Finishes



LED



LED and control gear included



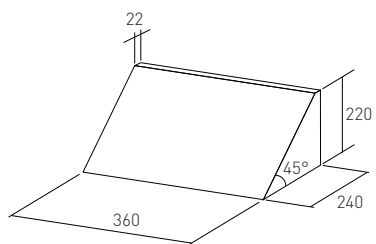
20W  
Asymmetric  
3300 lm  
control gear EL  
4000K **AG0KVAL330A34S1**



20W  
Asymmetric  
3300 lm  
control gear EL  
4000K **AG0KVAL330A22S1**



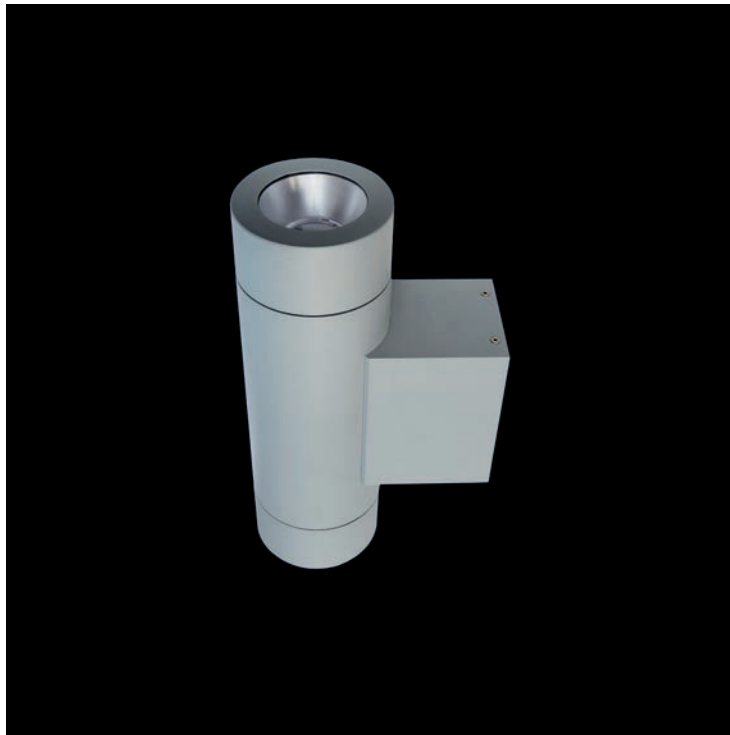
20W  
Asymmetric  
3300 lm  
control gear EL  
4000K **AG0KVAL330A25S1**



Beryl Proof Wall es una luminaria diseñada para ser instalada en paredes, con salida de luz directa / indirecta, para proporcionar luz al área de paso junto a la pared mientras permite iluminar el plano vertical en el que se instala. El uso de las últimas tecnologías en el desarrollo del sistema óptico ofrece un producto muy eficaz, eficiente y funcional. Puede usarse tanto en interiores como en exteriores para iluminar áreas de paso y planos verticales en pasillos, columnas, fachadas y crear efectos especiales al iluminar edificios.

#### Features

Body made of extruded aluminium with environmental factors resistant finishes. Beryl Proof Wall sets-in the last LED generation and high efficiency reflectors.



#### Power

LED 2 x 15W

#### Beam

20° (60° y 90° bajo demanda)

#### Colour temperature

4000K neutral white - CRI  $\geq$  90

#### Nominal lumen output

2 x 2000 lm

#### Control gear

Electronic (EL)

#### IP

IP20

#### Finishes

Black (04)

Grey (21)

Antracita (25)

#### Supply voltage

220...230V, 50/60Hz

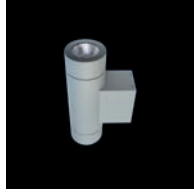
#### Installation

Wall surface mounted

Features



Finishes



2x15W  
20°  
2x2000 lm  
**AG0KSWGDL22000A04**

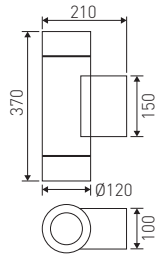


2x15W  
20°  
2x2000 lm  
**AG0KSWGDL22000A21**



2x15W  
20°  
2x2000 lm  
**AG0KSWGDL22000A25**

LED and control gear included



Square-format luminaire with lenses, that allows creation of different light effects. Luminaires can be set up with one Beam, two beams, three beams, or four beams to create emission beams single, double, triple or fourfold over façades, walls or passing areas.

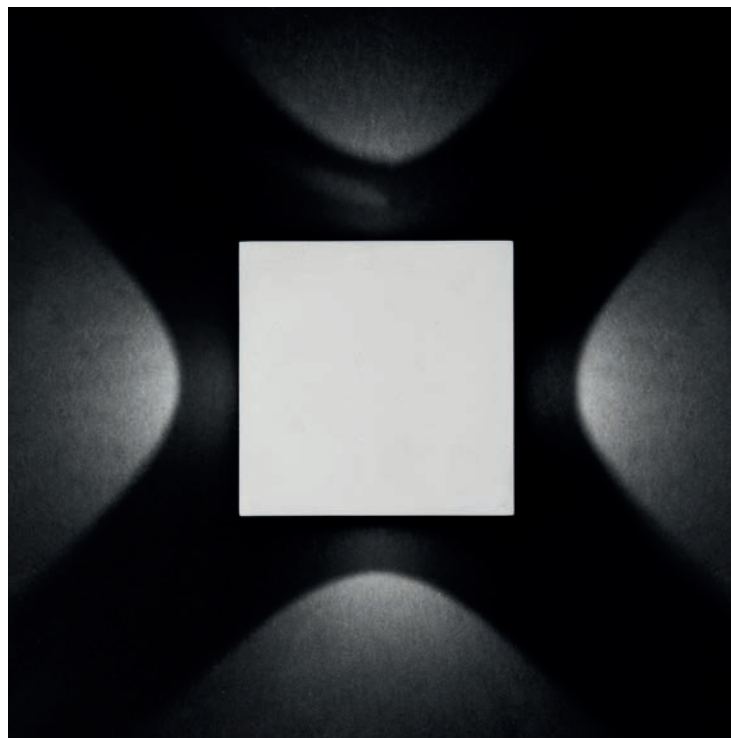
**Features**

**Rectangular wall sconce**

Body made of Die-cast aluminium, anthracite or white painted with glass protection. Kubik built-in LED with efficient lenses to create the light beams. Ready to install on both, in horizontal or vertical position. Rectangular versions offer elliptical optics, available with single or double beam.

**Square wall sconces**

Body made of Die-cast aluminium, anthracite or white painted with protective glass. Designed to create 4 light beams.



**Power**

LED 7,2W, 12,6W

**Beam**

105°, UP 60° + 20°

**Nominal lumen output**

7,2W - 273 / 524 lm, 12,6W - 963 lm

**Colour temperature**

4000K neutral white - CRI ≥ 80

**Control gear**

Electronic (EL)

**IP**

IP65

**Finishes**

White

Anthracite

**Supply voltage**

220...240V, 50/60Hz

**Intallation**

Surface

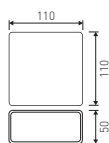
## Features



## Finishes



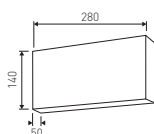
LED



7,2W  
105°  
273 lm  
control gear EL  
4000K **11.1611.0005**

LED and control gear included

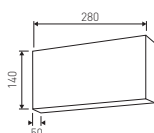
LED



7,2W  
UP 60° + 20°  
524 lm  
control gear EL  
4000K **11.1611.0003**

LED and control gear included

LED



12,6W  
UP&DOWN 60° + 20°  
963 lm  
control gear EL  
4000K **11.1611.0004**

LED and control gear included

A range of wall lamps for surface mounting designed for atmospheric lighting. High protection ratings for use outdoors or indoors.

This range includes several shapes, materials and light sources for mounting on wall, ceiling or simply mural.



**Power**

LED 6,3W, 9W, 16,2W

**Beam**

105°

**Nominal lumen output**

3000K warm white - CRI  $\geq$  80

4000K neutral white - CRI  $\geq$  80

**Nominal lumen output**

LED 6,3W - 300 lm, 9W - 450 lm, 16,2W - 860 lm

**Control gear**

Electronic (EL)

**IP**

IP54

**Finishes**

White (33)

Anthracite (22)

**Supply voltage**

220... 230V, 50/60Hz

**Installation**

Wall, ceiling

Features



<p>LED</p> <p>Diffuser</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K <b>11.6105.0001.22</b></p>
<p>LED</p> <p>Grid</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K <b>11.6105.0002.22</b></p>
<p>LED</p> <p>Semicircle</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K <b>11.6105.0003.22</b></p>
<p>LED</p> <p>Diffuser</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K <b>11.6105.0011.22</b></p>
<p>LED</p> <p>Grid</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K <b>11.6105.0012.22</b></p>
<p>LED</p> <p>Semicircle</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K <b>11.6105.0013.22</b></p>



Features



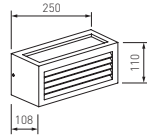
Finishes



LED

Louvers

Lamp LED and control gear included

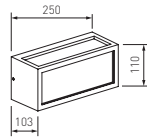
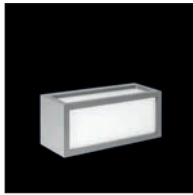


16,2W  
105°  
860 lm  
control gear EL  
4000 K **11.1611.0001**

LED

Diffuser

Lamp LED and control gear included



16,2W  
105°  
860 lm  
control gear EL  
4000 K **11.1611.0002**





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# CONTROL

## 1 SWITCHES & REMOTECONTROLS



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## 2 SENSORS



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## 3 DIMMING DEVICES



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## 4 POWER SUPPLY DEVICES



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Evolution of electronics and communications has given rise to a new world in which everything and everyone is connected through communication networks (WiFi, Bluetooth, RF, IR ...), is the world of IoT (Internet of Things). Connected lighting or smart-lighting, is the result of the intelligent lighting evolution when incorporating new technologies developed in the field of electronics and wireless communication. Within this new paradigm, the new control and regulation systems allow the luminaires to communicate between them, to generate a network of connected elements able to be accessed from any of these elements that make up the network. This luminaire interconnection gives us a series of advantages and above all opens up a new world of applications and utilities for lighting systems.

There is no doubt about a good management of the lighting system is essential in the integral design of a lighting project looking for high quality and efficiency. A good lighting control system allows us from the regulation of light levels depending on environmental and regulatory needs, to the generation of flexible architectural environments depending on the space uses. This involves modifying the chromaticity of light or the dynamic light generation to improve the wellbeing and health of the lighted space users, introducing important advantages to our project:

#### Flexibility

The use of intelligent light management systems allows adjust the anyplace lighting according to the activity-carried out needs required , the natural light contribution and activity presence through the use of light-level and presence sensors.

- Combination of manual control, remote control, motion detection, luminance maintenance, automated scheduling.
- Different activities, different lighting.
- Lighting adjustment according to the time of the day, or year season.
- The established luminance levels can be maintained through the use of light sensors.

#### Esthetic

An intelligent control system allows adapt the lighting to the desired ambience, either by modifying light levels or selecting different white tones light, from warm white to cold white (tuneable white system) to generate more comfortable environments, and healthy for people who use the space at any times.

- Scenography. New control systems allow generate personalized scenes for each user, improving the user experience.
- Sensations, emotions and impulses: Light influences the mood of people. Small changes in the light tonality trigger relaxation or stimulation reactions in living beings. This light effect on the possibility of synchronizing the biological clock of human beings is part of modern architectural designs.

#### Comfort

Lighting can be adapted in a personalized way to each user, or to each event and activity that takes place in a specific space. Most of the five criteria that define the lighting quality can be adjusted by installing a lighting control system. The brightness distribution, the light tonality and the illuminance optimize a lighting solution and the effect it has on people improving the space comfort and decreasing sight fatigue.

- Illuminance control based on the natural light contribution helps to maintain the right balance between efficiency and comfort.
- Dynamic lighting solutions allow follow the natural sun rhythm in terms of quantity, direction and light tonality (which vary according to the time of day and season) to offer a particularly pleasant user experience.

#### Energy efficiency

The energy production costs constant increase, as well as the impact it has on the environment, make energy saving an increasingly important parameter in the design of our architectural environments. Intelligent management will allow us to improve our facilities efficiency of and increase energy savings:

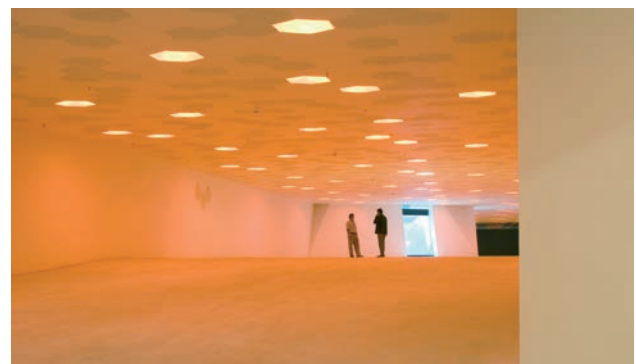
- Luminous flux limitation.
- Switch on/off control through time programming or absence/presence detection.
- Taking advantage of daylight.
- Light adjustment in accordance to the time of day, or season of the year.

#### Maintenance

Connectivity adds a new technological level to the lighting project since it allows see the facility status at a glance; receive information in real time about faults, consumption, efficiency, operational hours... etc. Installation administrator has pertinent information and a summary of installation situation at all times, making easy management, the taking of decisions about what adjustments are necessary and planning a scheduled preventive maintenance that will reduce breakdowns and maintenance cost.

#### Connectivity

In addition, the use of wireless systems allows install many elements without wires, simplifying the installation system complexity, since it is not required additional signal wiring in many cases. On the other hand access to the network can be done from any element of the same and not from a single access point, as it happen with intelligent lighting. These aspects help to reduce installation costs and facilitate control of lighting, encouraging efficient energy consumption.



**Security**

Smartlighting systems allow of emergency luminaires and general lighting integration in a single system, which offers us some advantages:

- Better illumination the escape routes in case of fire.
- Improve the effect of a fire alarm and security systems.
- Monitoring and testing of emergency lighting.
- Simplifies management and saves installation costs.

**Functionality**

Existence of a connected elements network, allows use more intuitive and flexible elements of interaction with users, based on app's (using android and IOS operating systems) well-known by the users. This allows a greater interaction between users and control system changing its relation with the lighting improving the identification of the user with the space and the personalization of the same, eliminating programming costs.

**Scalability**

The new smartlighting elements have plug & play technology, that allows expand the network without having to reconfigure it again. This translates into a lower cost in case of network expansion. It also allows integration with other existing higher level control systems in buildings.

**Análisis Big Data**

As it has been already mentioned, Smartlighting concept opens a future of applications and utilities goes beyond the lighting system itself, going beyond of it to integrate with the environment in which it lives and collect data about its use. The communication network, that our lighting system is, connects with other coexisting elements in the environment (mobile phones, tablets, watches, smart bags ...) to collect anonymously data on the use that people make of that space, and how they live in that space:

- How do consumers perceive the shopping experience in a retail space?
- How is our clients' interaction with the common spaces (commercial premises, showrooms, office meeting rooms, and airport or station waiting rooms.)
- How is the traffic within our architectural space, be it a retail space, an office, or a public space: park, pedestrian zone, airports...

Connected lighting allows us to use technology (IoT) to collect, manage and analyze data, providing us with knowledge about our business/space/client/consumer to be able to take decisions that help us to manage our business, build brand and improve our business performance.

- The space utility. How many people are in it? How long for? At what time of the day, or at night? ....
- The space's physical environment. Temperature data humidity, pressure, noise, light levels, air composition...
- Space traceability. Where do people go to? Which routes are the most frequent? How long do people take to do the track?

Providing us with knowledge about our business/space/client/consumer and to be able to take decisions that help us to manage our business, build brand and improve our business performance.

At present, there are multiple solutions that can fit to the needs of a project. From TROLL we put our experience and knowledge at our clients' service. Luxiona professionals offer assistance in each stage of the project: from the initial design concept, going through the study and analysis of the different proposals, to the final execution process. Our technicians are the best help to get the most efficient and functional lighting solution, as well as the application of the most appropriate management systems in each case, whatever the space and its function:

- Retail
- Office
- Hospitality
- Health&care
- Industrial
- Residencial Sport
- Outdoor

To develop control and smart lighting projects, please contact our commercial team.



## Switches

## Analogic

TROLL rotating switch for Triac dimming (trailing phase). Accessory designed to be recessed into a wall and able to control halogen lamps (from 25W to 500W) and LED light sources (from 6W to 300W). It is fed by mains voltage 220-240V and 50 / 60Hz.



11.1801.1010.00

TROLL rotating switch for 1-10V dimming. Accessory designed to be recessed into wall and able to control a current of up to 50mA and connect/disconnect a maximum current of 5 A. It is fed at mains voltage 220-240V and 50 / 60Hz.



11.1801.1020.00

## DALI

TROLL rotating switch for DALI dimming. Accessory designed to be recessed in walls and able to control up to 64 unique addresses or 15 groups. It feds through the DALI line.



11.1801.1030.00

TROLL rotating switch for DALI dimming. Accessory designed to be embedded in walls and able to control up to 50 unique addresses or 15 groups. DALI power supply not needed.



11.1801.1031.00

TROLL touch switch for DALI dimming. Accessory designed to be recessed into walls and able to control up to 4 unique directions or 15 groups. It is fed through the DALI line.



11.1801.1130.00

**DALI**

TROLL switch for DALI dimming. Accessory designed to be recessed on the wall and prepared for the control of luminaire groups and pre-recorded scenes (3 scenes) with Multi-master system to connect several control modules in the same DALI system. Easy individual switch adjustment and buttons assignment by means of an internal rotary selector. The accessory has

double terminals for continuous wiring. It is fed through the DALI line.

The switch also has an infrared receiver which allows you to control the system using the remote controls 11.1801.1230.00 or 11.1801.1231.00.



**11.1801.1131.00**  
3 scenes

**11.1801.1132.00**  
5 scenes

**RGBW / RGB**

TROLL touch switch for the RGBW or RGB colour dimming. Accessory designed to be recessed into walls and prepared for control up to 20 units of the controller 11.1655.0001.00 through RF signal. It is fed at main voltage 110-240V 50/50Hz.



**11.1655.0002.00**

**TW**

TROLL touch switch for Tuneable white dimming. Accessory designed to be recessed into walls and prepared for control up to 20 units of the controller 11.1655.0001.00 through RF signal. It is fed at main voltage 110-240V 50/50Hz.



**11.1655.0005.00**

11.1801.1133.00 allows easy control of Tuneable White luminaires using the DALI protocol. It builds-in a rotary selector on the back that depending on the position allows you to control different groups 0 - 14 or the entire DALI line.



**11.1801.1133.00**



## Remote control

<p><b>DALI</b></p>	<p>TROLL's optional IR remote control is suitable for switching on/off, manual dimming or automatic dimming of light levels. Capacity for 2 pre-programmed scenes and 5 different flow levels (100, 50, 25, 12 and 6%). Each key's value assignment is possible by using software and also the adjustment of the dimmed light nominal level. Wall bracket included.</p>	 <p><b>11.1801.1230.00</b></p>
	<p>Troll's optional IR remote control is suitable for switching on/off, manual or automatic dimming of light levels. Adjustment of the nominal value of the regulation of light is possible.</p>	 <p><b>11.1801.1231.00</b></p>
<p><b>RGBW / RGB</b></p>	<p>TROLL's RGBW/RGB remote control has 4 different zones that can select the colours Red / Green / Blue / White directly. It also has 3 memories (buttons S1, S2 and S3) to record colours or pre-programmed scenes. You can also select a colour touching the wheel or set a dynamic colour change. The control can be adapted to a 3-channel (RGB) or 4-channel (RGBW) output system.</p>	 <p><b>11.1655.0003.00</b></p>
<p><b>TW</b></p>	<p>TROLL's TW remote control has 4 zones different to group dimmers directly. It also has 3 memories (buttons S1, S2 and S3) to record different white tones or pre-programmed scenes. A white tone can be selected by touching the wheel or set a dynamic white tone change</p>	 <p><b>11.1655.0006.00</b></p>

## Sensors

**On - Off**

PIR sensor from TROLL 11.1801.30001 allows control (on and off) 650W luminaires LED non dimmable. Simple group assignment can be done through a rotary switch. Sensor has a 170° coverage angle (covers a circle of 7m diameter to 2.8m in height). It is designed for surface installation and is fed to 220-240V, 50/60 Hz.



Surface

**11.1801.3001.00**

Recessed

**11.1801.3002.00****DIM 1-10V**

1-10V light level sensor from TROLL allows a simple and automatic constant light control from 200 to 600 lux with an opening angle of 45°. Sensor designed for ceiling recessing, maximum height 5m. It can be used with any ballast or 1-10V dimmable driver (each sensor can control up to 10 1-10V dimmable drivers). Significant energy savings can be achieved in various applications, such as offices, schools, factories, airports and shopping centres.



Recessed

**11.1801.3020.00**

Surface

**11.1801.3021.00**

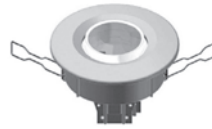
## DALI

DALI light level and presence sensor from TROLL allows simple and automatic control of constant light level and people presence detection (both can be deactivated if necessary). Simple group assignment can be done through a rotary switch with the possibility of multiple sensors in a group. A sensor can control up to 64 dimmable drivers. 1.1802.3030.00 can be remotely controlled and individual adjustment of the parameters can be carried out using configuration software. Sensor has been designed for ceiling surface installation on. Significant energy savings can be achieved in various applications, such as offices, schools, factories, airports and shopping centres. It is fed by the DALI Line.



Surface

11.1801.3030.00



Recessed

11.1801.3031.00

**Constant power controller**

Light dimming controller for voltages 12-24V. It has five distinct mode of operation (selected via the dip-switches): on/off,push dimming, DALI, dimming 0-10V, dimming 1-10V.



**73/DLP**



**73/DLS**

Slave

**Regulador RGBW / RGB / TW**

RGB, RGBW or Tuneable white (TW) master controller for LEDs fed at 12-24V. It communicates by RF with the touch switches and controls 11.1655.0002.00 and 11.1655.0003.00 (RGB and RGBW) or 11.1655.0005.00 and 11.1655.0006.00 (TW).



**11.1655.0001.00**

Signal booster for RGB, RGBW and tuneable white (TW) LEDs fed at 12-24V. Extension accessory for controller 11.1655.0001.00.



**11.1655.0004.00**

**Auxilair DALI**

4W DALI power supply for separate installation from TROLL. Accessory supplies 200 mA to DALI devices or control drivers that don't have their own power supply. 11.1801.2030.00 accomplish with the DALI standard IEC60929 (DALI V0) and IEC62386 (DALI V1). It is fed at 230-240V; 50 / 60Hz.



**11.1801.2030.00**

PC interface module for DALI systems from Troll. Accessory for connecting software tools for addressing, programming and parameterizing DALI installations and TROLL devices. It is fed through the DALI line.



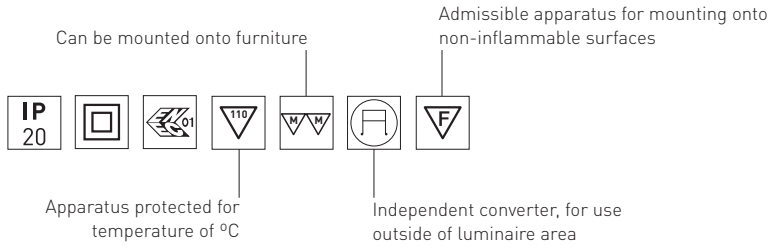
**11.1801.2031.00**

**Bluetooth**

Bluetooth communication interface for dimmable drivers by 0-10V, 1-10V, or DALI protocol. The elements communicate with each other creating a communication network up to 127 nodes. It can be controlled by an app with Android or iOS devices.

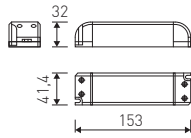


**11.1801.50130.00**

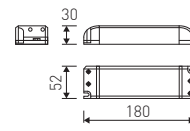


Power supply devices

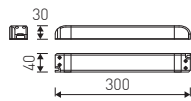
IP 20



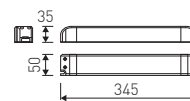
**11.1801.7010.00**  
Power supply on/off  
220-240Vac/24V 30W.  
Independent use.



**11.1801.7011.00**  
Power supply on/off  
220-240Vac/24V 60W.  
Independent use.



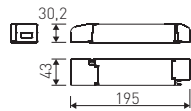
**11.1801.7012.00**  
Power supply on/off  
220-240Vac/24V 120W.  
Independent use.



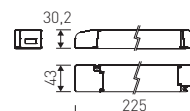
**11.1801.7013.00**  
Power supply on/off  
220-240Vac/24V 180W.  
Independent use.

DALI

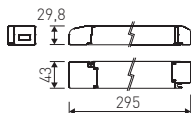
IP 20



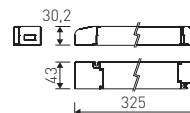
**11.1801.7030.00**  
Power supply  
DALI/push DALI  
220-240Vac/24V 35W.  
Independent use.



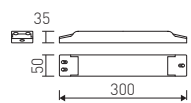
**11.1801.7031.00**  
Power supply  
DALI/Push DALI  
220-240Vac/24V 60W.  
Independent use.



**11.1801.7032.00**  
Power supply  
DALI/push DALI  
220-240Vac/24V 100W.  
Independent use.



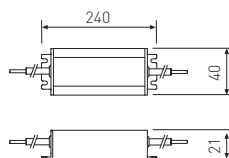
**11.1801.7033.00**  
Power supply  
DALI/push DALI  
220-240Vac/24V 150W.  
Independent use.



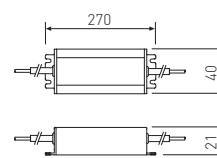
**11.1801.7034.00**  
Power supply  
DALI TW  
220-240Vac/24V 160W.  
Independent use.

Power supply

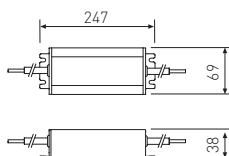
IP 67



**71/LDT06024**  
Power supply  
120-240Vac/24V 60W.  
Independent use.



**71/LDT9624**  
Power supply  
120-240Vac/24V 96W.  
Independent use.



**71/LDT15024**  
Power supply  
120-240Vac/24V 150W.  
Independent use.



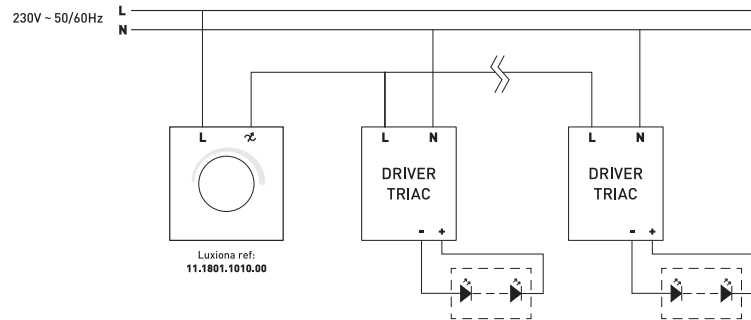


# Schemes



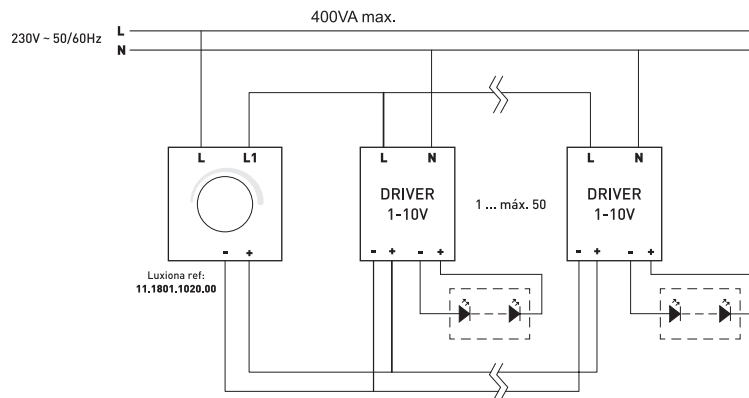
### Dimming with rotative TRIAC switch

- Triac rotative switchch
- Driver TRIAC needed on luminaire
- Maximum powe 300W



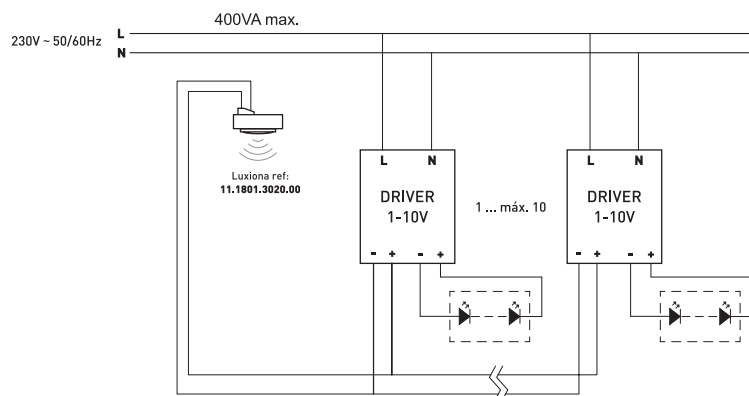
### 1-10V dimming with rotative switch

- 1-10V rotative switch
- For luminaires setting 1-10V dimmable driver
- Maximum power 400W



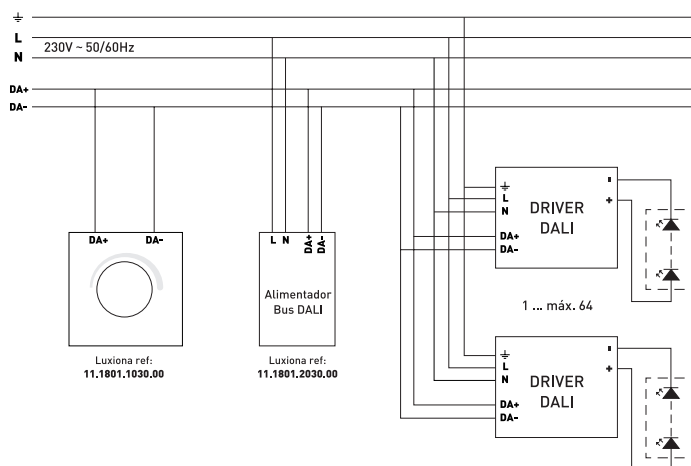
### Dimming with !-10V sensor

- Luminaire with 1-10V dimmable driver
- Angle detection 45°



**DALI dimming with rotative/touch switch and DALI power supply**

- DALI dimming with rotative switch or touch switch
- DALI power supply needed. For luminaire setting DALI drivers
- Adjustment of DALI lighting group with "Group" rotary switch

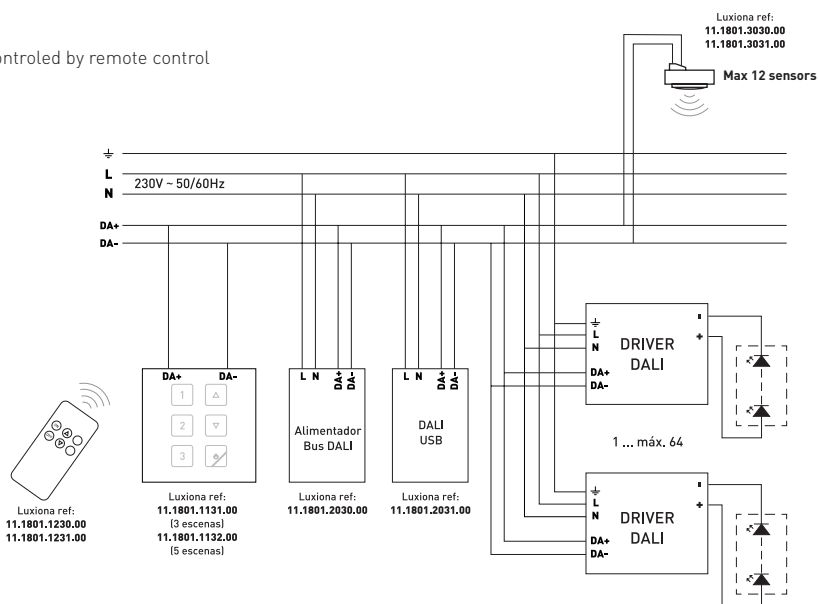


**DALI dimming with scenes & sensor**

- DALI power supply needed. For luminaires setting DALI drivers
- Program trough PC using USB interfaz module
- 3 or 5 scenes
- Surface/recessed sensors for presence and light levels. sensors controlled by remote control

- Sensors DALI  
Surface, ref. 11.1801.3030.00  
Recessed, ref. 11.1801.3031.00

- Remote controls  
DALI ref. 11.1801.1230.00  
For sensor, ref. 11.1801.1231.00













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