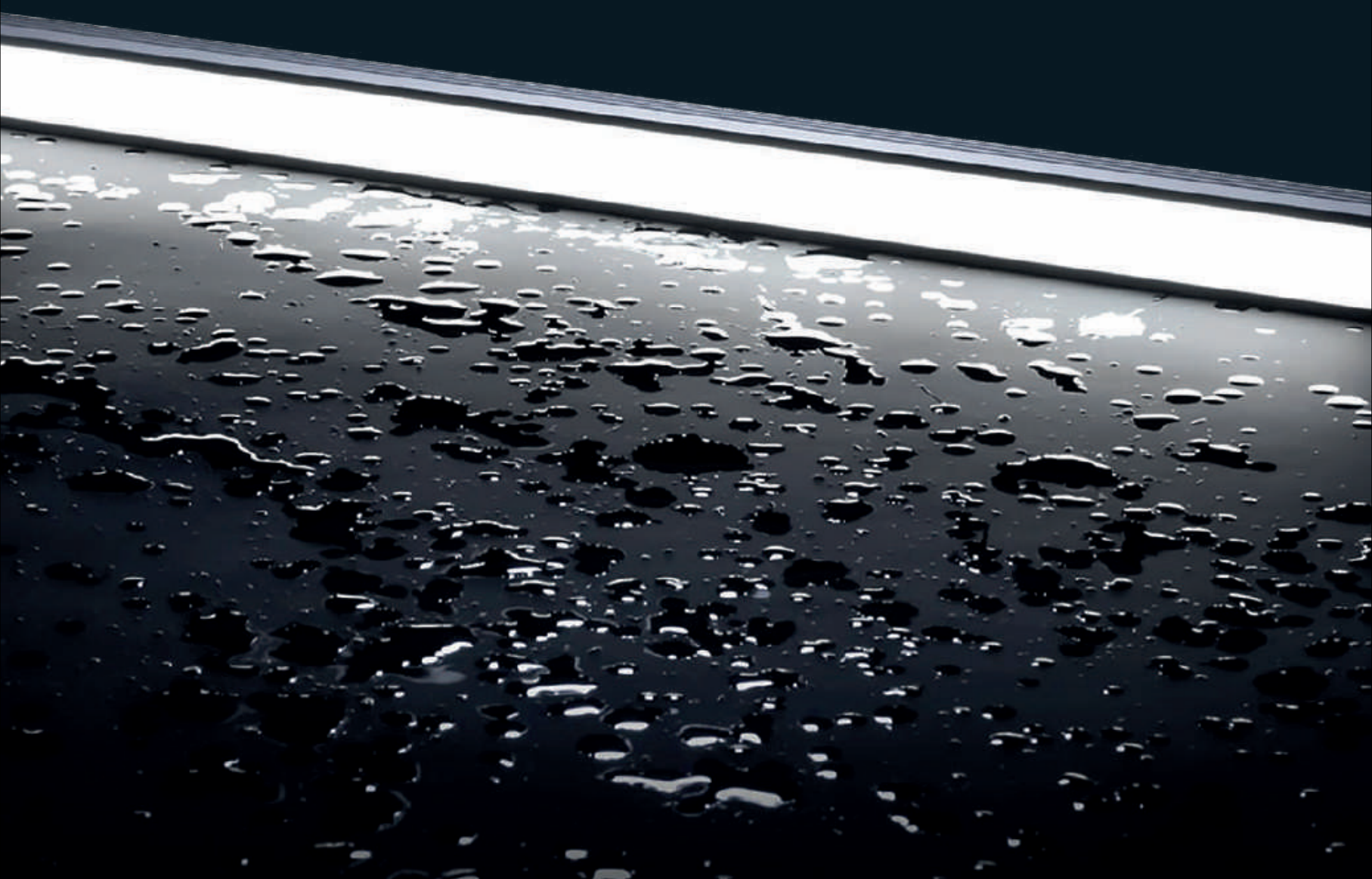




linear lighting solutions made in Spain



melior facere continenter signum noster est

# When led meets aluminium...

We refer to light (from the latin lux, lucis) to the part of the electromagnetic radiation which can be perceived by the human eye.

At Luz Negra we are all passionate about light and everything related to using it; like lighting up a bookshelf, a home, a business... but not in any old way.

Our proposals stem from efficient and ecologic lighting and with an essential ally; the profile.

We design and manufacture profiles and luminaires where light becomes the real protagonist.

Let us enlighten you and we will show you a different way of understanding lighting.



Made with Paris XL led profile.  
Cortesy of singular.design





# led profile profiles for linear lighting

23	Index led profile
42	Led profiles for surfaces
68	Led profiles for recessing
80	Angular led profiles
92	Circular led profiles
104	Led profiles for stairs and skirting boards
122	Architectural led profiles
134	Led profiles for walls
150	Led profiles for shelving and signage
162	Flexible led profiles
174	Silicone led profiles (neon)
190	Big profiles for surfaces and hanging
212	Big profiles for recessing
228	Luminous textile (Shinka)
232	Special led profiles on request
240	Sample display cases



The information reflected in this catalogue is as exact as possible, however it may suffer some typographic errors at the time of printing. The values indicated, are to be taken as indicative and they are not binding. The data exposed is as precise as possible in relation to models, characteristics and measurements. As we know, the LED market is constantly changing, so please consider this information as a guideline. For the latest updated data on our product parameters, please check the constantly renewed information in our web: [www.luznegra.net](http://www.luznegra.net)



## ecoled professional led lighting products

- 245 Index ecoled
- 254 Led strip at 230V
- 264 New items and special series
- 274 Standard flexible strips
- 292 Flexible strips with digital led
- 296 Flexible panels
- 298 Rigid led strips
- 310 Power supplies
- 314 Led drivers
- 330 Accessories for leds
- 336 Methacrylate optics
- 340 Laboratory service
- 342 Lighting technology/technical information



## skyled professional ready-made luminaires

- 353 Index skyled
- 355 Made to measure kits
- 358 Made to measure neons
- 360 Luminaires (standard sizes)
- 378 Luminaires (made to measure)
- 386 Skyled **Channel**
- 398 Soft line
- 400 Saturno
- 410 Shinka **Onelight**
- 414 Digital luminaires



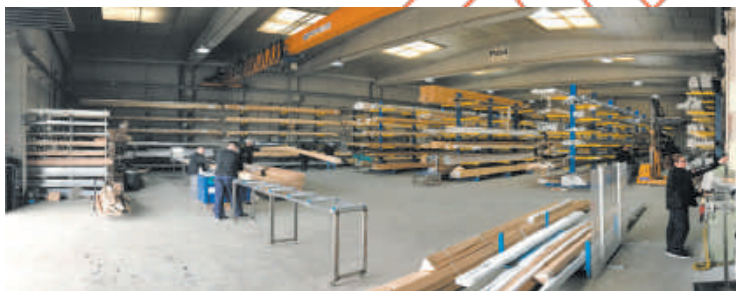
# Our company



LUZ NEGRA CENTRO Madrid



LUZ NEGRA Barcelona



Luz Negra, which belongs to the Exinval Group, has head offices and the main factory in Barcelona, along with branches in Madrid and Paris. We are dedicated to light and constantly looking for new ideas and designs to innovate and improve the manufacturing of our aluminium profiles and their accessories within the signage and lighting sectors.

Luz Negra was founded in 1987 and today has at your disposal 52 qualified and experienced team members who are totally passionate about the development of new products which go beyond our clients' expectations. We are constantly looking for the balance between quality, functionality and energy saving, yet at the same time, being able to maintain our highly competitive prices.

With more than 5000m<sup>2</sup> of total floor space, we can guarantee high levels of stock, hence offering not only an effective service, but also a fast turnaround for our clients.

In April 2017 we launched our new laboratory in our Barcelona branch, offering high-tech machinery for lighting calculations. This new laboratory allows us to offer our clients all necessary estimations and plugins for any type of project which needs to be carried out with software such as Dialux, Relux or similar.

**“Meliore facere continenter, signum noster est”** (appears on the front cover of our catalogues for decades now), meaning **“continual improvement is our motto”** and this is exactly what we have been doing for the last 33 years with constant growth which vouches for our professionalism and commitment towards our clients.



INTERNATIONAL  
QUALITY AWARD  
PARIS 1999



Mr. Ricardo Téllez  
President

We are member of:





## Training, exhibitions...



Here at Luz Negra, we are a very dynamic team and every month we are offering new products in order to cover new market tendencies and constantly innovating to improve our equipment.

We regularly attend the most important exhibitions relevant to our sector, such as Light & Building in Frankfurt, Euroshop in Düsseldorf, Construmat in Barcelona or Matelec in Madrid, where our clients can fully contemplate solutions for all their needs and where they can appreciate new market trends and innovative products.



### Training; part of our DNA

Due to the constant changes which we undergo in the lighting sector, not only are we obliged to be updated on an ongoing basis, but we also have a duty to convey this new information and concepts to our clients.

For this reason, Luz Negra regularly organises free courses for our clients where we can interactively share our knowledge to make sure that we can get optimum end results in future projects.

At the same time, we also offer personalised training courses for clients on demand.

At Luz Negra we have been manufacturing aluminium profiles since 1987 for the lighting and publicity industries.

We are specialised in this industry, stemming from the idea right through to the creation and manufacturing of aluminium profiles and made to measure luminaires.



## More than just beauty

Our line of led profiles offers the necessary structure for an improved placing and a greater led strip efficiency, providing the necessary heat dissipation required for optimum working.

We have more than 100 different models available, manufactured in aluminium, methacrylate, polycarbonate, silicone and we can also offer a very wide range of accessories in order to cover all your needs.

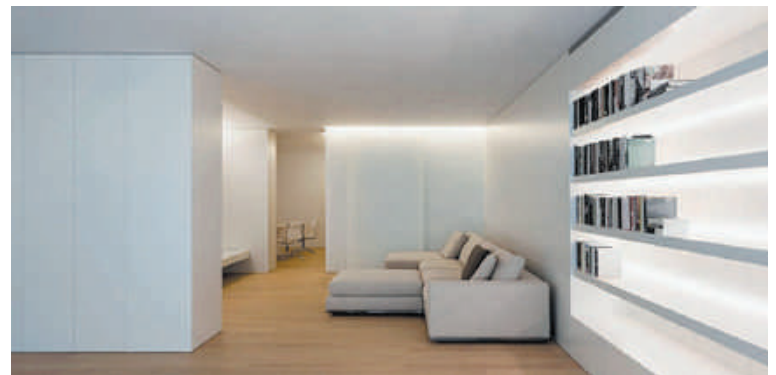
## First and foremost: quality



Our led profiles are manufactured according to the standards: ISO 9001:2008, ISO 14001 with pure aluminium, minimum 98% (treatment T5), anodised minimum 15 microns and lacquered, Qualicoat.

At Luz Negra we have developed and patented the "easy-ON" system (the cover is clicked on the front of the profile, applying light pressure) offering a level of water-tightness, IP65, which is unique in the market and carries Applus certification.

This permits installation in areas where there is a high level of humidity (bathrooms, kitchens, etc.), complying with the UL94 "fire-proof" standard.





## All types of solutions within your reach

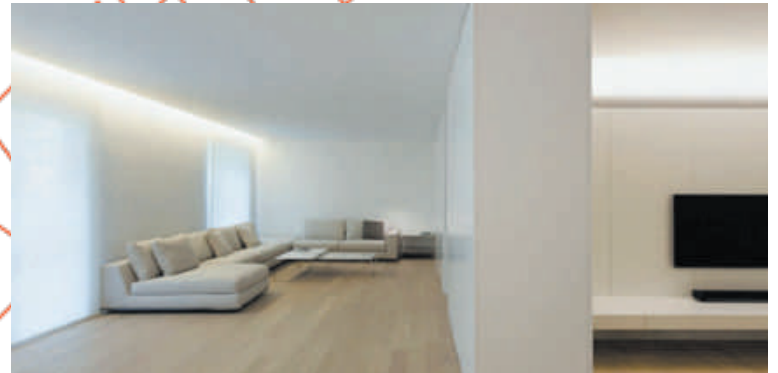
At Luz Negra we manufacture and store most of our aluminium profiles and their wide range of covers in lengths of 6, 4 and 2 metre, with different finishings, along with their corresponding fixings and accessories for all types of installations.

## Custom made

Luz Negra can offer you a totally personalised service for your projects, whether you need standard led profiles, led strips or made to measure luminaires.

At Luz Negra we can advise you and guide you in your choice, so you can choose for the best combination and we can manufacture the lighting system according to your needs.

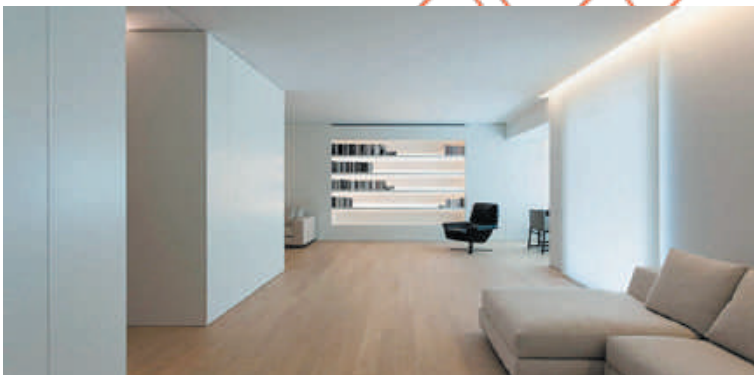
Your project is in good hands.



## Here and now

Our high stock levels and our large premises in Luz Negra Barcelona, Luz Negra Madrid & Luz Negra France (Paris) means that we can offer a short supply time and a flexible service which fits all clients' needs.

This is why we are able to offer very competitive prices in profiles, manufactured in Europe.





# Certificates

Luz Negra's led profile "easy-ON" system has been certified by Applus for its jagged cover which guarantees water-tightness of IP65 thanks to its double-siphon shape once inserted into the aluminium profile.

This certification is extended to the 29 profiles within our "easy-ON" product group.



4 YEAR GUARANTEE  
for "easy-ON" covers



IP65

10 YEAR GUARANTEE  
for "easy-ON" profiles

## Led profiles with "easy-ON" system:

Frankfurt	Paris
Berlín	Paris XL
Berlín XL	Moscú
Sophia	Moscú Mini
Sophia XL	Moscú Slim
Sophia Asymmetric	Moscú Magnum
Milano	Moscú Magnum Slim
Milano Slim	Madeira
Roma	Múnich
Roma XL	Múnich Mini
Versalles	Múnich Slim
Inferno	Múnich Magnum
Florenzia	Múnich Magnum Slim
Dublín	Sicilia
Dublín XL	

**LGAI**  

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 www.applus.com

## INFORME DE ENSAYOS

**Expediente N°: 14/31700424**

**Fecha** 19/02/2014  
**Página** 1 de 6

**Referencia del peticionario**  
**LUZ NEGRA, S.L.**  
 P.I. Can Castells, C/ Carles Buigas, 13  
 08420 Canovelles (Barcelona)

**El material recibido**  
 Perfil de aluminio marca "Led Profile" de la firma Luz Negra con sistema de difusor patentado "EasyON",  
 Identificación interna 1799/1 (ver fotografías en el Anexo 1).  
**Ha sido ensayado y es conforme con el grado de protección (código IP):**  

IP 65

**Siguiendo las especificaciones aplicadas de la/s norma/s**  
 UNE-EN 60598-1:2009+A11:2009 (apartado 9.2, 1ª cifra grado IP)

**Características nominales**  
 Tensión de alimentación (V) ..... : 100-240 V<sub>AC</sub> (fuente) / 24 V<sub>DC</sub> (luminaria)  
 Potencia declarada (W) ..... : 36  
 Frecuencia (Hz) ..... : 50/60 (fuente) / DC (luminaria)  
 Lámpara ..... : Módulo LED  
 Grado de protección contra la humedad ..: IP 65

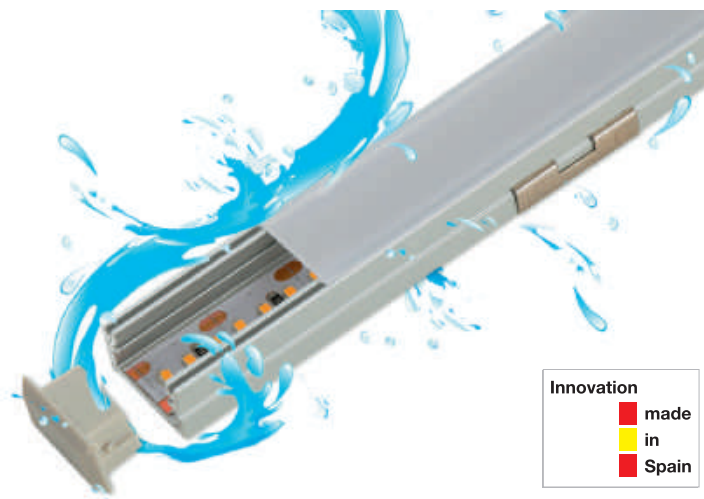
Albert Marginet Morales  
 Responsable Técnico  
 Electrical & Electronics  
 LGAI Technological Center, S.A.

Los resultados que se indican se refieren, exclusivamente, a la muestra, producto o material entregado al Laboratorio, tal como se indica en el apartado de material recibido, y ensayada en las condiciones indicadas en la/s norma/s citadas en el presente documento.

LGAI Technological Center, S.A. inscrita en el Registro Mercantil de Barcelona, Tomo 55.829, Folio 1, Hoja N° B-388.827 inscripción 1ª C.I.F. A-83203488

# European patent

Our profile system with “easy-ON” has been designed and manufactured by Luz Negra in Spain and is protected under patent, hence being granted via Europe an exclusive use.



The “easy-ON” system is the result of continued research, development and innovation which we enforce at Luz Negra.

This system permits you to quickly click the cover on to the front of the profile in a fast and easy manner.

The two jagged edges allow the cover to snap on to the profile in a firm and safe way, achieving a water-tightness of IP65.

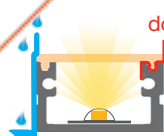
The “double siphon” prevents water and humidity from entering the profile and therefore protects the led from possible condensation and humidity deriving from bathrooms, kitchens, spas, gyms, etc and so extends the working lifespan of the product.

## With other systems



As we don't have a double siphon, the water can easily filter inside.

## With our “easy-ON” system



The double siphon prevents humidity or water from filtering inside.

Led profiles covered within the IP65 certification and European patent 13156605.1

(19)

(11) **EP 2 620 700 B1**

(12) **EUROPEAN PATENT SPECIFICATION**

(45) Date of publication and mention of the grant of the patent:  
22.04.2015 Bulletin 2015/17

(51) Int Cl.:  
F21V 17/10 (2006.01) F21V 31/00 (2006.01)  
F21V 15/01 (2006.01) F21S 8/00 (2006.01)  
F21Y 103/00 (2006.01)

(21) Application number: 13156605.1

(22) Date of filing: 25.02.2013

(54) **Linear lighting device**  
Lineare Beleuchtungsanordnung  
Dispositif d'éclairage linéaire

(84) Designated Contracting States:  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(30) Priority: 26.01.2012 ES 201230089 U

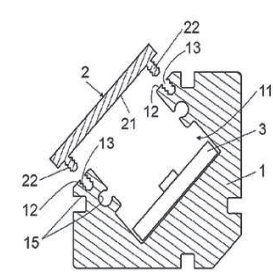
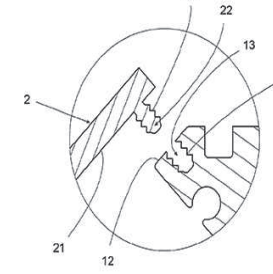
(43) Date of publication of application:  
31.07.2013 Bulletin 2013/31

(73) Proprietor: Tellez Lopez, Ricardo  
08420 Barcelona (ES)

(72) Inventor: Tellez Lopez, Ricardo  
08420 Barcelona (ES)

(74) Representative: Pons Ariño, Angel  
Pons Patentes y Marcas Internacional, S.L.  
Glorieta Rubén Darío 4  
28010 Madrid (ES)

(56) References cited:  
DE-U1-202011 104 303 US-A- 5 222 799  
US-A1- 2009 219 713 US-B1- 7 490 955

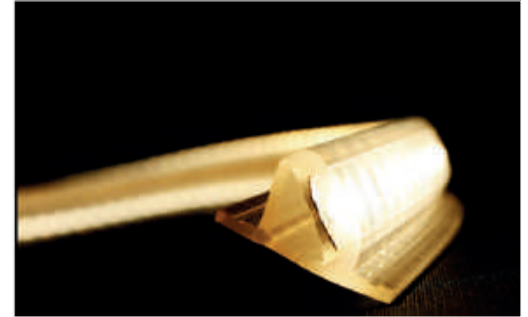
**EP 2 620 700 B1**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

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## Screw-on connectors



~~Ghost profile Sophia 230V~~

connectors

Ghost profile

This catalogue is a set of led strips (Infinity series) cut every 10cm). This is an extremely high quality (uses 17% of its capacity) it doesn't get hot even with waterproofing (silicone tube filled for greater safety) connection system (includes screw-on connectors) 30V direct strip on the market. The latter is enc



Certificate CE LVD



Certificate RoHS



## Waterproof DUO for our flexible led "PRO" series

Conventional water-tight systems are composed of one layer of protection and on many occasions humidity can penetrate via capillarisation between the IPC and the silicone layer, hence provoking a short circuit and disabling the led.

The double layer of the waterproof DUO system (designed by Luz Negra) guarantees an optimum water-tightness for all installations, both indoor and outdoor.

There are also other systems which involve completely covering the led strip with glue or silicone at 360°, but these systems increase the width of the IPC from 10 to 12mm (preventing you from inserting in standard led profiles), making them stiffer and decreasing their flexibility.



led strip without waterproof DUO.

The humidity enters between the IPC and the silicone.

Innovation  
made  
in  
Spain

"DUO" System which  
surrounds the led strip  
360°

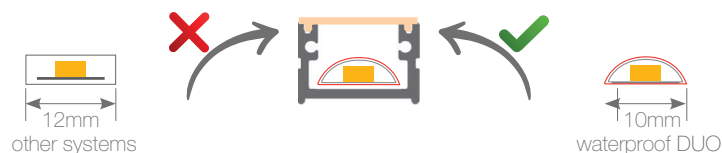
Silicone 180°

PCB with  
assembled ledS

Our flexible led strips, Waterproof DUO system, designed by Luz Negra, offer a water-tightness of IP67 yet without having to increase the width of the flexible strip (which is what usually happens with other IP67 strips on the market).

Thanks to this, we can install them in most of the led profiles on the market, whereas the strips with conventional covers increase the width of the strip by 2mm therefore preventing its use in many models of led profiles.

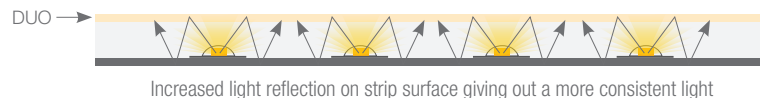
**Luz Negra's waterproof DUO is the only water-tight system with IP67 which maintains a width of 10mm and its original flexibility**



Flexible led strip with silicone base (without waterproof DUO) IP65



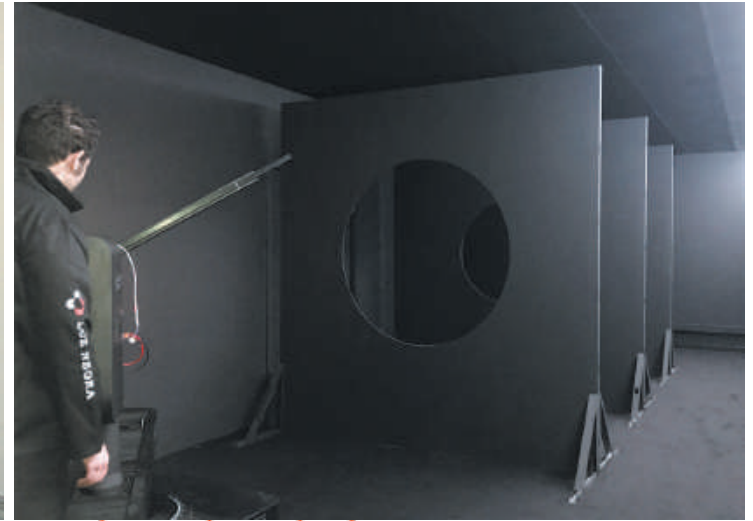
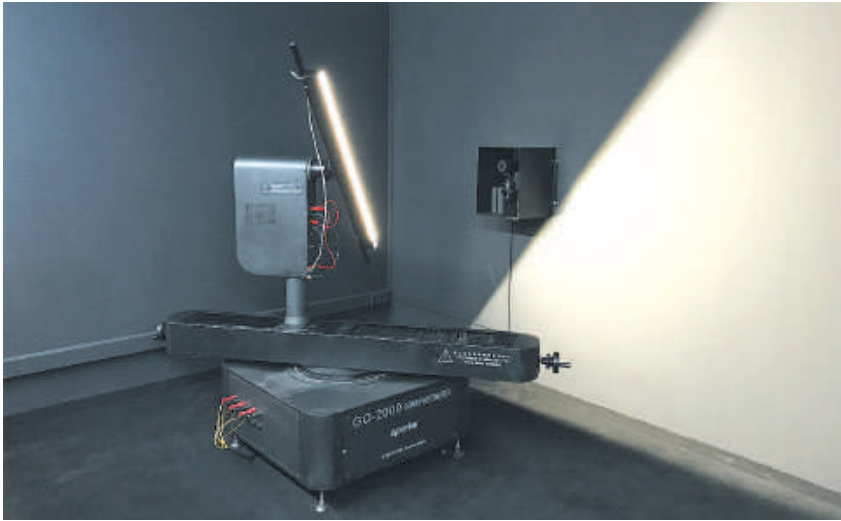
Flexible led strip with "waterproof DUO" IP67



The double cover offered in the Waterproof DUO system means that the light projected by the led collides with two layers (the first one, the silicone and the second, the plastic casing).

This way we achieve greater refraction meaning greater expansion of the light spot, therefore giving out a more homogeneous, diffused light.

# Photometric studies



## Dark Room

In May 2017 we have implanted a **new laboratory**.

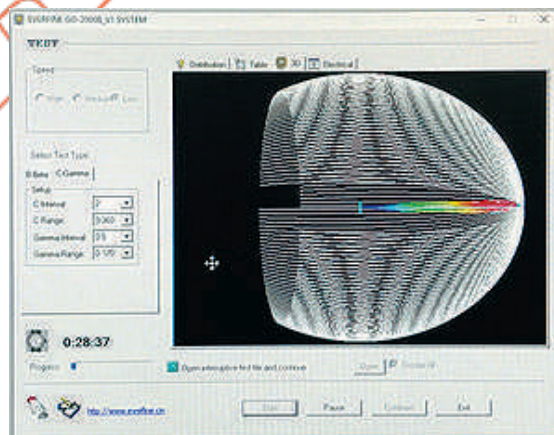
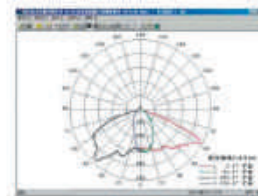
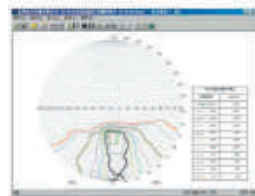
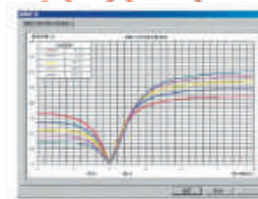
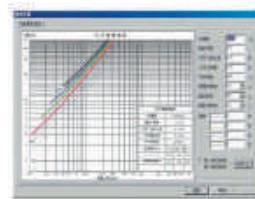
This allows us to be 100% self-sufficient when it comes to carrying out rigorous controls related to quality and lighting calculations.

Luz Negra's laboratory possesses a "dark room" with a Goniophotometer which enables us to carry out all necessary calculations for all our led products and related items (flexible strips, rigid strips, made to measure luminaires, with or without covers, reflectors, lenses, etc).

This Goniophotometer (known as Goniometer) also allows us to receive these calculations via plugins compatible with lighting calculation programs (software) and 3D rendering with DIALux or RELUX.

The calculations obtained by the apparatus in our Dark Room are certified by CNAS and NVLAP, hence offering complete reliability and guarantee of the achieved results.

**We would like to invite all our clients to visit our laboratory in our factory in Barcelona, where we can explain the operability and efficiency of processes when it comes to carrying out calculations for our led products and luminaires.**



China National Accreditation Service

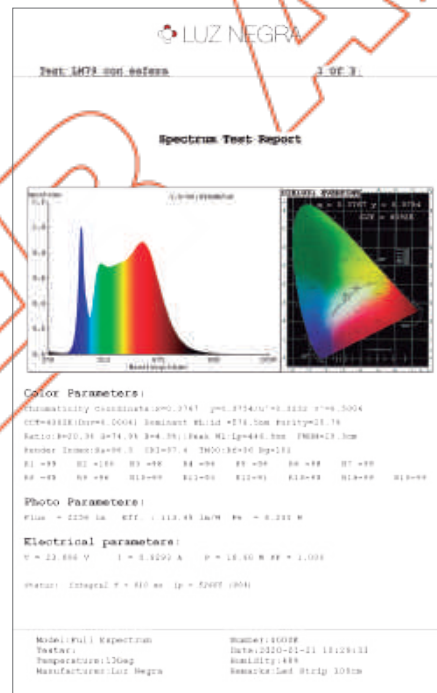
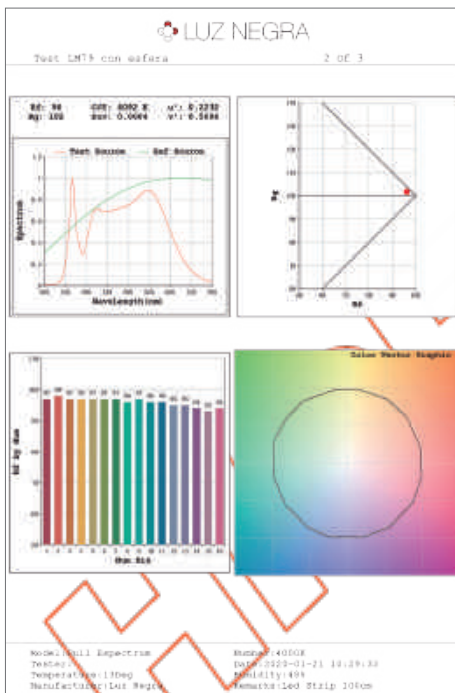


National Voluntary Laboratory  
Accreditation Program

# Photometric studies



## Spectroradiometer with an integrated sphere



Luz Negra's laboratory offers a spectroradiometer, equipped with an integrated sphere of 1500mm.

The spectroradiometer is a very necessary piece of equipment for carrying out luminosity studies. It is used for determining important data such as lumens, temperature, colour, energy efficiency, CRI (Colour Rendering Index), TM30 and many other values.

Using our spectroradiometer we can carry out, not only testing for quality control of raw material, but also generate readings for finished products such as led strips and customised luminaires.





Come and visit!

If laboratory procedures raise your curiosity, you are welcome to visit our laboratory facilities, where the technical capabilities of each machine will be described and where we will also explain how we achieve our luminosity measurements and relative plugins for software such as DIALux and **RELUX**.

Furthermore, according to individual needs, we will highlight all relevant characteristics which we must pay attention to when we interpret a data sheet.



Our Technical Department will be more than happy to be of assistance in any way.

[tecnico@luznegra.net](mailto:tecnico@luznegra.net)

# Quality control

## Salt spray chamber (corrosion tester)



We carry out very rigorous quality control tests on our products with this machinery. Our products and finished luminaires are exposed not only to constant vapour but also to high levels of salinity in order to determine qualitative resistance to corrosive attack on the product's surface.

All types of luminaires or components (led strips, power supplies, led modules etc) to be installed close to the sea suffer not only high humidity levels, but also aggressive corrosion due to saltpetre. This penetrates inside the luminaire or light box and in a very short time, if the products haven't been correctly treated to prevent this, they will deteriorate and stop functioning.

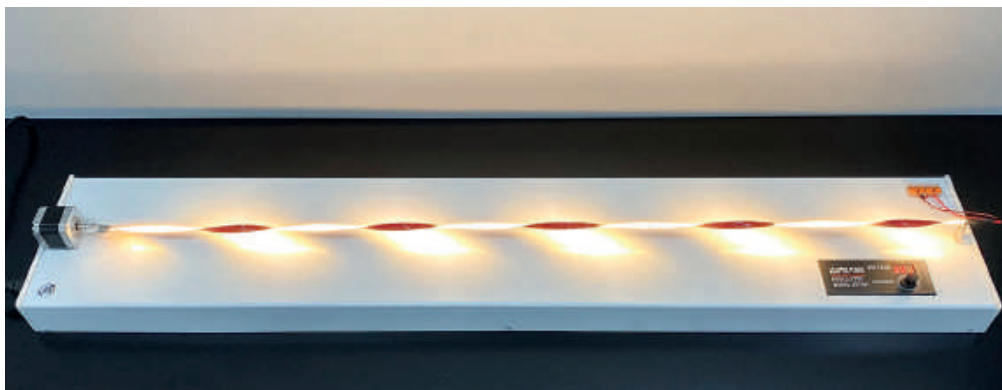


Since here at Luz Negra we consider that quality is not an option but an obligation, we are continuously investing in technology to obtain optimum quality control standards so we are able to offer our customers products with maximum guarantees.



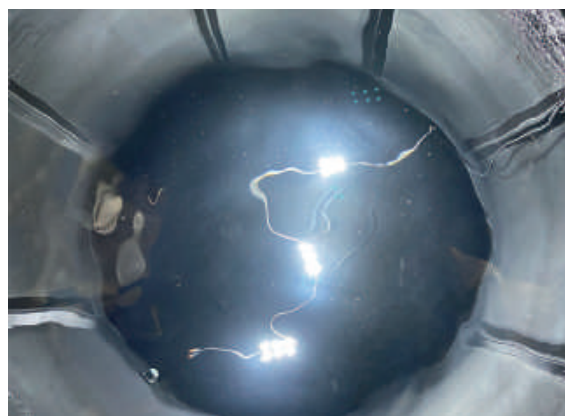


# Quality control



## Torsion testing for flexible led strips

Luz Negra is probably the Spanish company with the most experience in led strips (we have been commercialising them under our own brand name of ecoled since 2006). We are therefore very aware of the fact that all malfunctions in led strips are caused by poor welding regarding the chip or the led to the PCB and also between the joints in the 50cm lengths. Our torsion testing makes sure that all our led strips are twisted more than 1000 times, in both directions, ensuring an excellent resistance.



## Waterproof testing chamber

In order to obtain the required certification for waterproofing, for example IP67 or IP68, it is necessary to submerge the product in water and at the corresponding pressure which we would get at a depth of one metre (minimum).

In this waterproof testing chamber we can verify that the products which we are offering with elevated IP ratings, do actually comply with the current regulations.

## Resistance machine

We must give utmost importance to the strength and resistance of the welding in the led strips and modules. The soldering plays a very big part especially in joints in different lengths of led strips and can be a very significant weak point in installations due to expansion and shrinkage of the aluminium where they are attached to.

This equipment not only puts resistance to the test but at the same time tries out the strength of adhesion regarding the double-sided tape and led modules.



# Quality control



## Temperature and humidity chamber

In this machine we expose the materials which we use in the manufacturing of our luminaires (the led strips, modules, power supplies and other products) to temperatures below  $-25^{\circ}\text{C}$  and above  $125^{\circ}\text{C}$ .

These sudden changes of temperature in very short periods of time (thermal shock) exert on the products some dilations and contractions that only first quality raw materials are able to withstand.

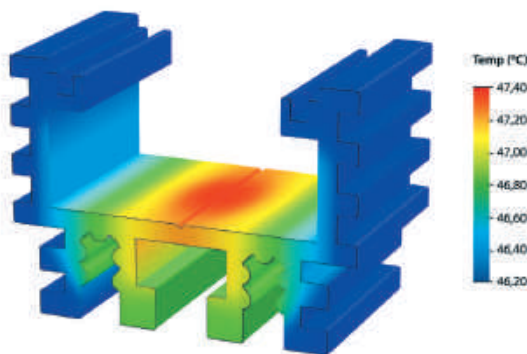
All these tests are necessary so that our technical department can verify our products, enabling them to pass the quality control.

Moreover, these tests are combined with different humidity levels (up to 99% for IP67 products).

ANNEX



# Heat dissipation



## The importance of providing optimum heat dissipation

Most people see led profiles as pieces of aluminium, whose only purpose is to show a led strip in a more or less fancy manner. The truth is, esthetic is one of the purposes of the led profile, but the concept of led profile itself goes way beyond that!

Led strips with lighting performances of 100, 140 and even 180 lumen per watt have increasingly gained popularity on the market. Since the heat levels generated by these led strips are very high, the lifetime of the led will shorten, unless we use a better heat dissipation system.

By correctly designing a led profile, we can enhance its heat dissipation ratings up to 30% more when compared to a non-optimised profile, which has the same aluminium content.

Optimum ventilation through thermal conduction (therefore implying the highest values of absorption of the heat generated by the led) will be achieved with the led profile by settling a balance between the amount of aluminium covered by the profile and the geometry of its design. On the matter of design, protruding surfaces and channel-shaped areas are elements of utmost importance in order to avoid resistance against the distribution of thermal energy.

When our led profiles are being designed, these and other issues such as, for instance, accuracy of the finishes are taken into account (an anodising process will always provide higher levels of stable heat dissipation to the profiles when compared to a lacquering process). By doing so, we manage to achieve functional profiles, which are also competitive in terms of pricing.

## Table of contents covering the heat dissipation ratings for our most popular profiles:

Milano	3.7°C	Torino	3.8°C
Roma	4.6°C	California	2.4°C
Roma XL	5°C	Boston	3°C
Inferno	14°C	New York	4.8°C
Frankfurt	3.9°C	Philadelphia	5.2°C
Berlín	4.8°C	Texas	4.9°C
Berlín XL	5.2°C	Miami	7.5°C
Sophia	6.7°C	Detroit*	11.5°C
Sophia XL	8°C	Harmony	4°C
Paris	8°C	Pletina	7°C
Paris XL	15°C	Dublín	7°C
Versalles	10°C	Dublín XL	13°C

All measurements have been registered under 25°C temperature and once the working temperature has become stable (after 45 minutes).

The indicated values have been obtained by combining a led profile with the ecoled item Zafiro, the latter having as values of power and stabilization temperature 14.4W/m and 38°C respectively.

\*With special mention to the Detroit profile, whose values have been obtained by combining it with the ecoled item Cíes, the latter having 49°C as stabilization temperature and a PCB thickness of 5mm.

This information is to be taken only as a guide and may suffer changes.

# Customised profiles

At Luz Negra we have been designing profiles for the lighting and signage industries and it always starts in the same way:

**With a good idea.** An idea which covers an existing need and which makes things easier for our clients by being able to offer real and practical solutions.

Not only do we count on the technical department, but also on the whole production team who are working every day with our materials and which they know to perfection.

We can manufacture prototypes, which are personalised in 3D (please, consult with our technical department).

We also count on a key partner here: YOU. Without all the suggestions and advice from our clients, it would be impossible to have come all this way, to where we are today.

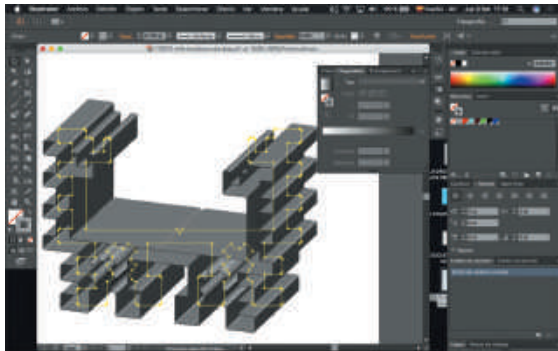
At Luz Negra we design and manufacture completely personalised profiles for specific jobs and projects.

Tell us what you need and let us advise you. **Your project in good hands.**



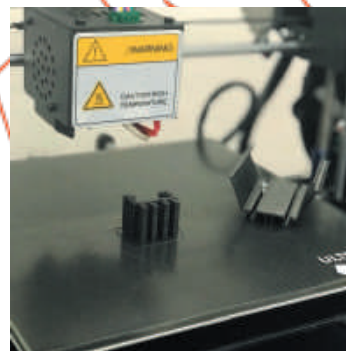
## Step 1

Profile design



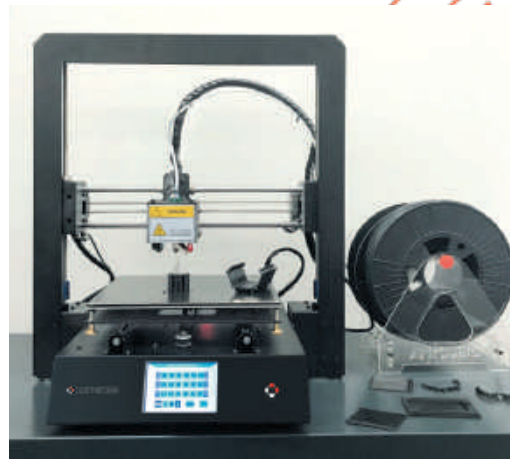
## Step 2

3D printing of the prototype



## Step 3

Profile extrusion



In our technical department we now have a 3D printer available which enables us to carry out made to measure projects and hence allows us to cover all our clients' needs.

We can achieve prototypes of the profiles, end caps and other accessories, in a scale of 1:1, so as to be 100% sure before incurring expenses on matrix and moulds.

This way Luz Negra offers a personalised verification process regarding the profiles or components requested to make sure they meet our clients' needs and if not we can make all necessary changes.

The prototypes can be made with measurements of up to 210x210x205mm and in materials such as PLA, ABS, Nylon, HIPS (high impact polystyrene) and WOOD (a mixture of PLA and wood fibre).

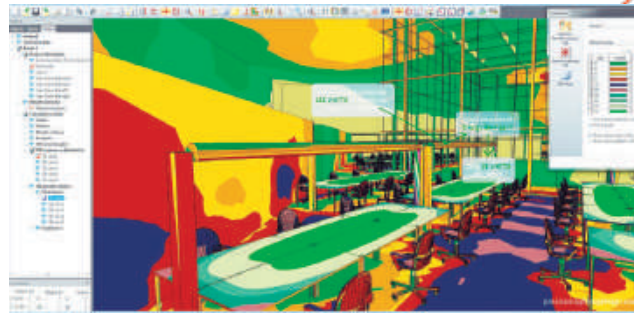


# Your project in good hands



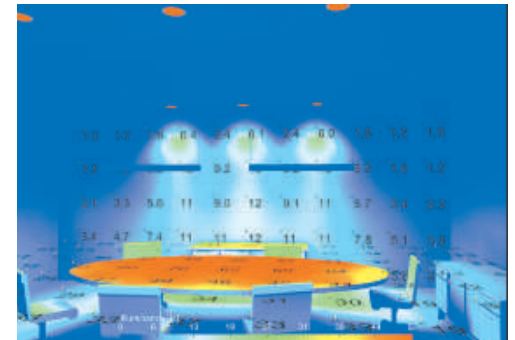
Here at Luz Negra our professional team is available to help our clients develop their projects, whether they are small or big, meaning that both our projects and commercial departments work together to get the desired result.

Our Project Manager will carry out the necessary briefings with the client in order to verify the project's needs. He will then coordinate all tasks accordingly so as to be able to provide our best commercial/technical offer.



Depending on the size of the project, different actions will be carried out:

1. Briefing with the client to find out the exact requirements of the project.
2. Commercial offer of the products to be used.
3. Economic evaluation split into parts.
4. Corresponding photometric studies, luminosity calculations and files for 3D rendering programs, such as Dialux and Relux (this will be carried out in our laboratory).
5. Relevant certificates and homologations for the products offered.
6. Detailed technical data sheets, with all laboratory calculations for the products offered.
7. Design and 3D simulations of the project when needed.
8. Dialux or Relux studies, if it's required.
9. Copy of the quality testing for the products offered.
10. Project execution and lead times once the project has been confirmed.



# led profile








· Led profiles for surfaces	42
· Led profiles for recessing	68
· Angular led profiles	80
· Circular led profiles	92
· Led profiles for stairs and skirting boards	104
· Architectural led profiles	122
· Led profiles for walls	134
· Led profiles for shelving and signage	150
· Flexible led profiles	162
· Silicone led profiles (neon)	174
· Big profiles for surfaces and hanging	190
· Big profiles for recessing	212
· Luminous textile (Shinka)	228
· Special led profiles on request	232
· Sample display cases	240




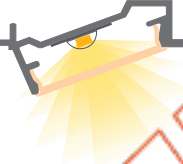

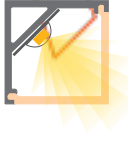



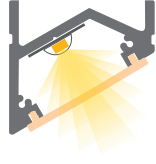
# Index for led profile applications

**STOCK IN FACTORY**  
■ HIGH ■ MODERATE ■ ON DEMAND  
■ SILVER ANODISED ■ BLACK ANODISED □ WHITE LACQUERED

## Profiles for embedding

							
	PHILADELPHIA MINI	FRANKFURT	BOSTON	BERLIN	BERLIN XL	PHILADELPHIA	DALLAS
"easy-ON" IP65	x	✓	x	✓	✓	x	x
Maximum length. (m)	3	6	6	6	6	6	2
Stock in factory	<span style="color: orange;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: orange;">■</span>
Dimensions (L-H)	12X11.95	20.7x7.5	23x8	24x12	28.4x12.5	23x14.5	12.5x17
Guarantee (years)	2	10	2	10	10	2	2
Colours	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="border: 1px solid black;">□</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="border: 1px solid black;">□</span>	<span style="color: gray;">■</span>
PAGE	78	71	70	73	74	72	76

## Angular profiles

								
	TEXAS MINI	AMSTERDAM	SPLIT	ZAGREB	TEXAS	SOPHIA	SOPHIA XL	SOPHIA XL ASYMMETRIC
"easy-ON" IP65	x	x	x	x	x	✓	✓	✓
Maximum length. (m)	2	3	3	3	6	6	6	6
Stock in factory	<span style="color: orange;">■</span>	<span style="color: orange;">■</span>	<span style="color: orange;">■</span>	<span style="color: orange;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>
Dimensions (L-H)	10x10	30x14.4	16x16	16x16	18.5x18.5	19.31x19.31	22.5x22.5	20.40x20.67
Guarantee (years)	2	2	2	2	2	10	10	10
Colours	<span style="color: gray;">■</span>	<span style="color: gray;">■</span>	<span style="color: gray;">■</span>	<span style="color: gray;">■</span>	<span style="color: gray;">■</span> <span style="border: 1px solid black;">□</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>	<span style="color: gray;">■</span> <span style="color: black;">■</span>
PAGE	88	86	91	90	82	83	84	87













# Index for led profile applications

STOCK IN FACTORY









■ HIGH ■ MODERATE ■ ON DEMAND

■ SILVER ANODISED ■ BLACK ANODISED □ WHITE LACQUERED

## Surface profiles

										
	DETROIT	NEW YORK MINI	HARMONY XS	HARMONY	TENNESSEE	MILANO SLIM	MILANO	CALIFORNIA	CALIFORNIA XL	TORINO
"easy-ON" IP65	x	x	x	x	x	✓	✓	x	x	x
Maximum length. (m)	2	3	3	3	2	6	6	6	3	6
Stock in factory	■	■	■	■	■	■	■	■	■	■
Dimensions (L-H)	8x7.7	7.6x9	11x4.5	18x5.7	12x8	16x4.05	16x7	17x8	23.5x9.8	18x14
Guarantee (years)	2	2	2	2	2	10	10	2	2	2
Colours	■	■ ■	■ □	■ □	■	■ ■	■ ■	■ □	■	■
PAGE	62	64	168	166	63	164	44	46	47	60

								
	ROMA	ROMA XL	NEW YORK	VERSALLES	BERNA	INFERNO	CHICAGO	VISBY
"easy-ON" IP65	✓	✓	x	✓	x	✓	x	x
Maximum length. (m)	6	6	6	6	2	6	1	3
Stock in factory	■	■	■	■	■	■	■	■
Dimensions (L-H)	16x11	20.4x11.5	17x14.5	20.4x19.8	40x16	26.5x19.2	6.1x25	25x25
Guarantee (years)	10	10	2	10	2	10	2	2
Colours	■ ■	■ ■	■ □	■ ■	□	■ ■	■	□
PAGE	48	52	50	54	66	56	58	67

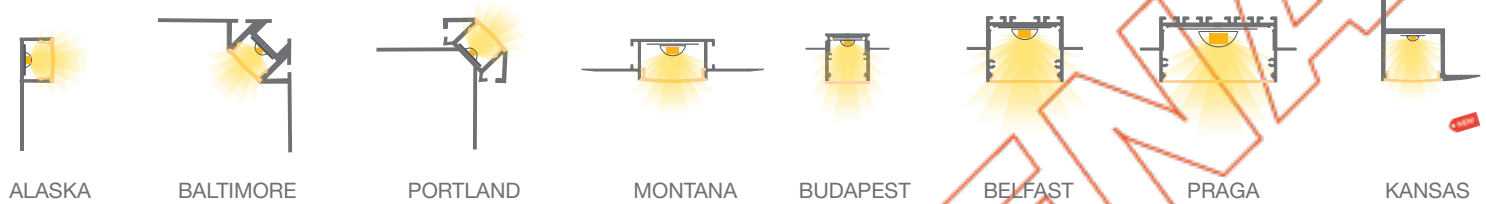
# Index for led profile applications

STOCK IN FACTORY

■ HIGH ■ MODERATE ■ ON DEMAND

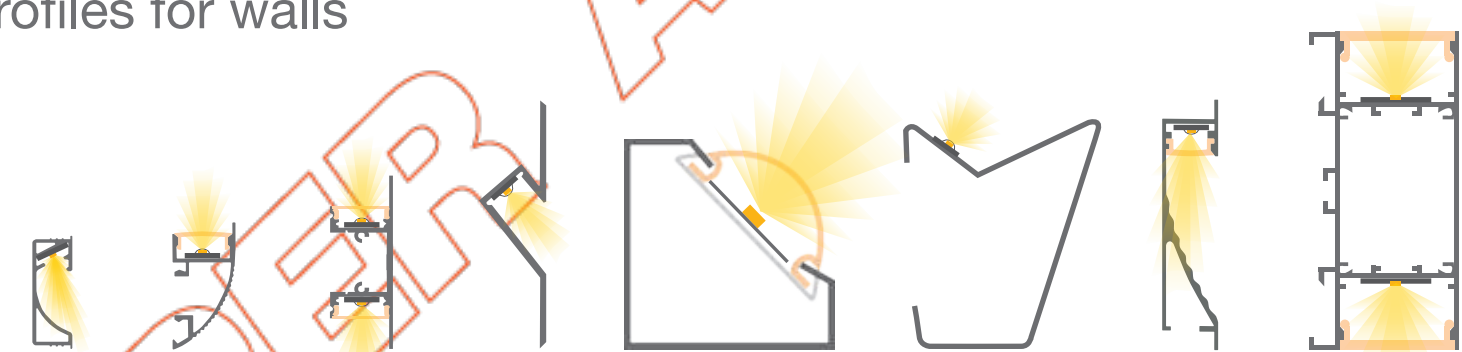
■ SILVER ANODISED ■ BLACK LACQUERED □ WHITE LACQUERED

## Architectural led profiles



"easy-ON" IP65	x	x	x	x	x	x	x
Maximum length. (m)	3	3	3	2	2	2	2
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	36x11.3	60.6x26.4	45.1x30.3	61.5x14	34.4x19.7	47.4x26.6	64x26.6
Guarantee (years)	2	2	2	2	2	2	2
Colours	■	■	■	■	□	□	■
PAGE	131	133	132	130	128	127	126
							129

## Led profiles for walls




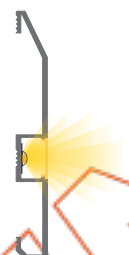



"easy-ON" IP65	x	x	x	x	x	x	x
Maximum length. (m)	3	2	3	3	2	2	3
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	11.3x32	18x32.5	17.3x49.5	19.4x70.2	55x55	56x65	15.8x71
Guarantee (years)	2	2	2	2	2	2	2
Colours	□	■	■	■	□	□	■
PAGE	140	144	136	138	143	142	141
							137




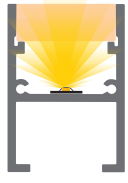



# Index for led profile applications

**STOCK IN FACTORY**  
■ HIGH ■ MODERATE ■ ON DEMAND  
■ SILVER ANODISED ■ BLACK LACQUERED □ WHITE LACQUERED

## Led profiles for stairs and skirting boards

	NIZA ECO	NIZA DUO	TOKYO	EDIMBURGO	LONDRES
					
"easy-ON" IP65	x	x	✓	x	x
Maximum length. (m)	2.4	2.4	6	2	2
Stock in factory	■	■	■	■	■
Dimensions (L-H)	53.5x20.5	80x42.5	105.6x28.7	10.2x80	10.2x58
Guarantee (years)	2	2	10	2	2
Colours	■	■	■	□	□
PAGE	114	115	116	110	111

## Led profiles for floors

	FLORENCIA	DUBLIN	DUBLIN XL	AZORES	DUBAI	ESTAMBUL	QATAR
							
"easy-ON" IP65	✓	✓	✓	x	x	x	x
Maximum length. (m)	6	6	3	2	3	3	3
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	59.5x14.8	26.6x11	21.3x26.1	28x40	38.1x10.8	63.5x12.7	57.1x10.8
Guarantee (years)	10	10	10	2	2	2	2
Colours	■	■	■	■	■	■	■
PAGE	112	107	108	106	119	118	120



# Index for led profile applications

STOCK IN FACTORY

■ HIGH ■ MODERATE ■ ON DEMAND

■ SILVER ANODISED ■ BLACK ANODISED □ WHITE LACQUERED

## Circular hanging led profiles

## Led profiles for signage

	PARIS	MIAMI	PARIS XL	OSLO OSLO BLACK&WHITE	COMENZA	ALFA 2	GINEBRA	HANNOVER
"easy-ON" IP65	√	x	√	x	x	x	x	x
Maximum length. (m)	6	6	6	3	5	6	3	6
Stock in factory	■	■	■	■	■	■	■	■
Dimensions (L-H)	19x15.32	20.5x16.7	39x35.79	Ø38	Ø42.4	28.9x21.5	50x30	15x30.8
Guarantee (years)	10	2	10	2	2	10	10	10
Colours	■ ■	■ □	■ ■	frosted/B&W	stainless steel	■	■	■
PAGE	94	98	100	103 - 102	146	160	154	152










## Led profiles for shelvings and others

	PLETINA	A03	MONTECARLO	COLONIA	PLEXILED SLIM	PLEXILED
"easy-ON" IP65	x	x	x	x	x	x
Maximum length. (m)	1	6	6	3	3	6
Stock in factory	■	■	■	■	■	■
Dimensions (L-H)	15x3	15x20	13.3x25	40x14	40x7	76x10
Guarantee (years)	2	2	10	10	2	2
Colours	■	■ □ ■	■	■	■	■
PAGE	159	158	161	155	156	157




# Index for led profile applications

**STOCK IN FACTORY**  
■ HIGH ■ MODERATE ■ ON DEMAND  
 WHITE OPAL

## Silicone led profiles

									
	NEON MICRO	NEON MINI	NEON CUADRADO	NEON REDONDO	NEON DOBLE	NEON REDONDO XL	NEON XL	NEON LAS VEGAS	NEON LAS VEGAS XL
"easy-ON" IP65	x	x	x	x	x	x	x	x	x
Maximum length. (m)	100	100	100	100	25	1	100	100	40
Stock in factory	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: orange;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>
Dimensions (L-H)	4x10	6x12	10x10	Ø13	15.6x18	Ø20	12x20	12x20	20x25
Guarantee (years)	2	2	2	2	2	2	2	2	2
Colours	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
<b>PAGE</b>	<b>176</b>	<b>177</b>	<b>178</b>	<b>180</b>	<b>182</b>	<b>181</b>	<b>183</b>	<b>184</b>	<b>185</b>

## Flexible led profiles

										
	ESBLY	FONTANA	CANNES	MARSELLA	LILLE	ARLES	OREGON	MONTRY	LYON	AVIÑON
"easy-ON" IP65	x	x	x	x	x	x	x	x	x	x
Maximum length. (m)	40	1	50	10	50	40	5	20	1	25
Stock in factory	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: orange;">■</span>	<span style="color: green;">■</span>	<span style="color: green;">■</span>	<span style="color: orange;">■</span>	<span style="color: green;">■</span>	<span style="color: orange;">■</span>	<span style="color: green;">■</span>
Dimensions (L-H)	7x15	12.5x4	10x9.5	12x10	13x6.7	21.8x8.4	15x13.6	16.6x15.5	16x16.5	21.1x13
Guarantee (years)	2	2	2	2	2	2	2	2	2	2
Colours	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	transparent	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	8 colours	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="background-color: black; display: inline-block; width: 10px; height: 10px;"></span>	<span style="border: 1px solid black; display: inline-block; width: 10px; height: 10px;"></span>
<b>PAGE</b>	<b>170</b>	<b>186</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>170</b>	<b>173</b>	<b>170</b>	<b>172</b>	<b>170</b>

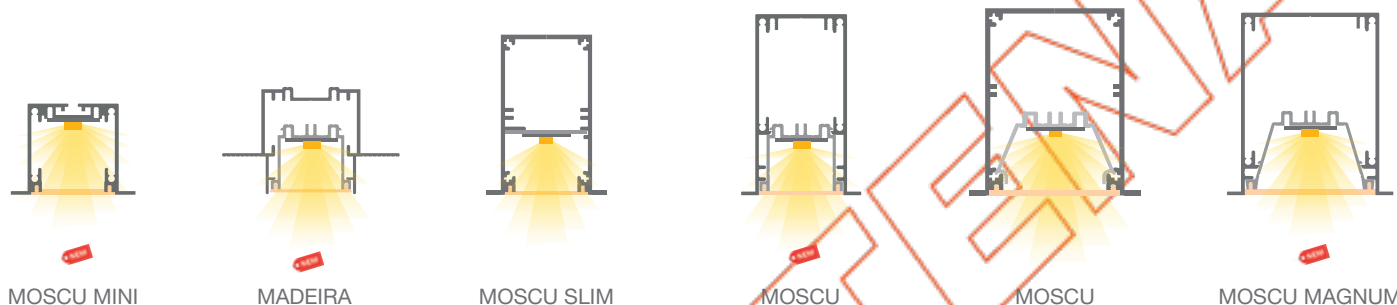
# Index for led profile applications

STOCK IN FACTORY

■ HIGH ■ MODERATE ■ ON DEMAND

■ SILVER ANODISED ■ BLACK LACQUERED □ WHITE LACQUERED

## Big profiles for embedding



"easy-ON" IP65	✓	✓	✓	✓	✓	✓
Maximum length. (m)	6	6	6	6	6	6
Stock in factory	■	■	■	■	■	■
Dimensions (L-H)	52x38	73.85x44.65	50x66.7	52x75	72x78	72x76
Guarantee (years)	10	10	10	10	10	10
Colours	■ □ ■	■	■ □ ■	■ □ ■	■ □ ■	■ □ ■
PAGE	214	124	220	216	221	218



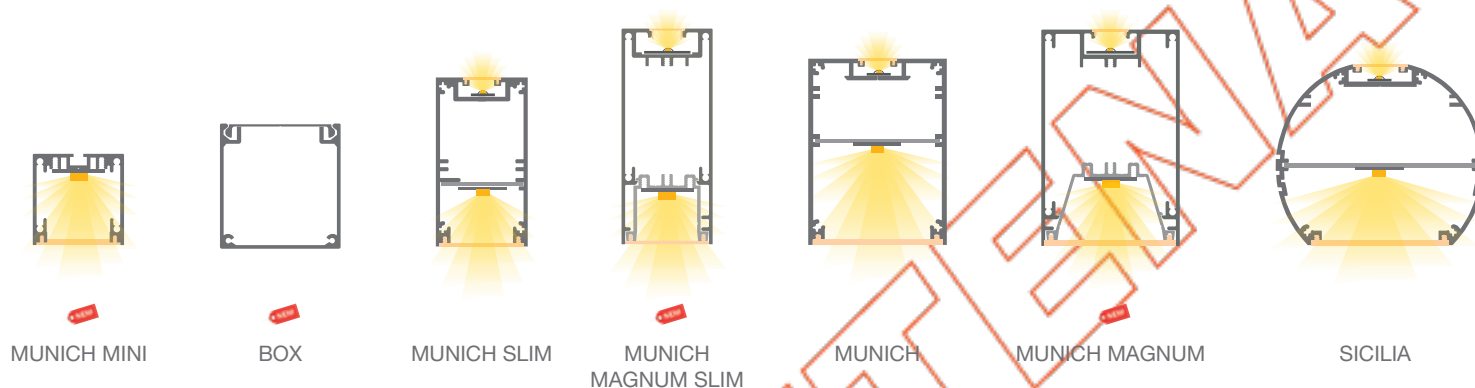
"easy-ON" IP65	x	x	x	x	x	x
Maximum length. (m)	3.4	3.4	3.4	3.4	3.4	3.4
Stock in factory	■	■	■	■	■	■
Dimensions (L-H)	77x68	77x68	77x68	77x68	77x68	126x68
Guarantee (years)	2	2	2	2	2	2
Colours	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □
PAGE	222	223	224	225	226	227



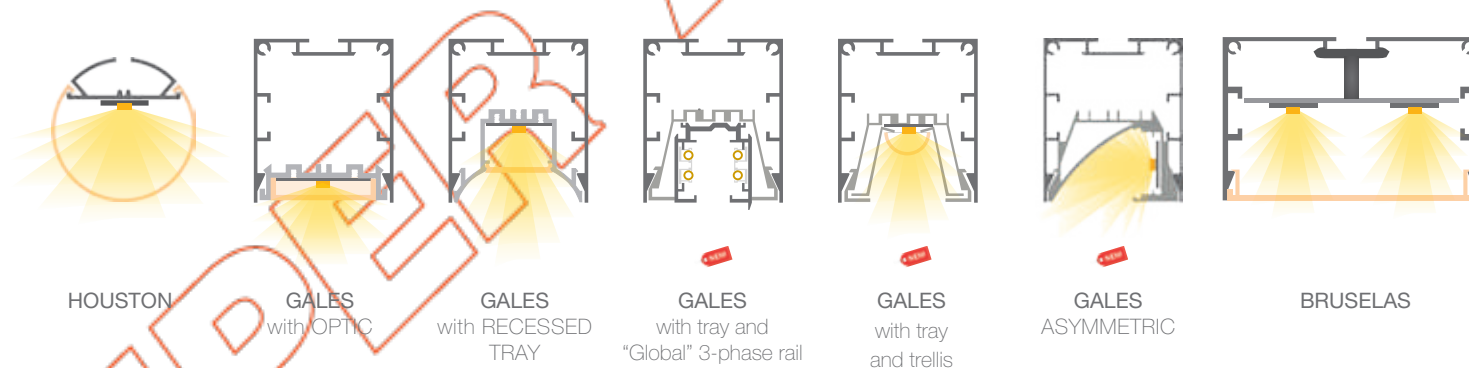
# Index for led profile applications

**STOCK IN FACTORY**  
■ HIGH ■ MODERATE ■ ON DEMAND  
■ SILVER ANODISED ■ BLACK LACQUERED □ WHITE LACQUERED

## Big profiles for hanging and surfaces

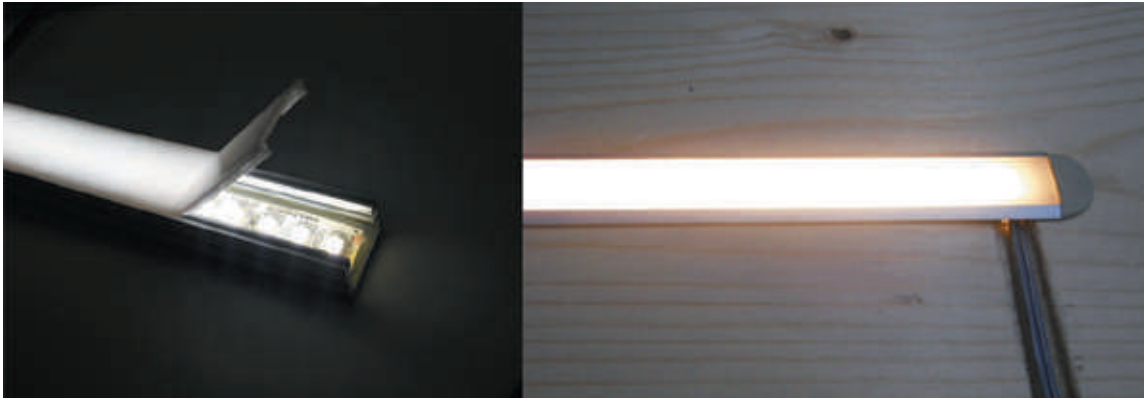


"easy-ON" IP65	✓	x	✓	✓	✓	✓	✓
Maximum length. (m)	6	4	6	6	6	6	6
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	38x38	50x52	38x70.1	38x90	58x78	57.6x90	87x75.31
Guarantee (years)	10	2	10	10	10	10	10
Colours	■ □ ■	■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■
<b>PAGE</b>	<b>192</b>	<b>202</b>	<b>198</b>	<b>194</b>	<b>200</b>	<b>196</b>	<b>208</b>



"easy-ON" IP65	x	x	x	x	x	x	x
Maximum length. (m)	3	3.4	3.4	3.4	3.4	3.4	3.4
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	Ø60	58x68	58x68	58x68	58x68	58x68	107x68
Guarantee (years)	2	2	2	2	2	2	2
Colours	■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □
<b>PAGE</b>	<b>210</b>	<b>203</b>	<b>206</b>	<b>204</b>	<b>205</b>	<b>207</b>	<b>211</b>

# Profiles; manufacturing



The vast majority of the profiles featured in this catalogue have been thought out and designed by Luz Negra and manufactured in Spain.

We have used excellent raw materials and manufacturing has been carried out under the most meticulous and strictest quality standards not only for profiles, but also for covers, lacquered, anodised, etc.

## Aluminium profile “easy-ON” (10 year guarantee) – Italian manufacturing moulding with a minimum tolerance

Our profiles have been manufactured according to ISO 9001:2008 - ISO 14001, with tolerances stipulated in standards UNE-EN 755-9 - UNE-EN 12020-2. The alloying which is used is 6063, starting from an aluminium billet with a purity of between 95-98% and then applying a T5 treatment.



Aluminium billets



Profile matrix

The anodised material has a minimum of 15 microns and holds Qualanod certification and Qualicoat-Seaside (in the case of lacquered profiles).

Our profiles are anodised in the biggest and most advanced anodising plant in Europe, with production levels greater than 180000m<sup>2</sup> month.



Billet in the press



Profile extrusion process



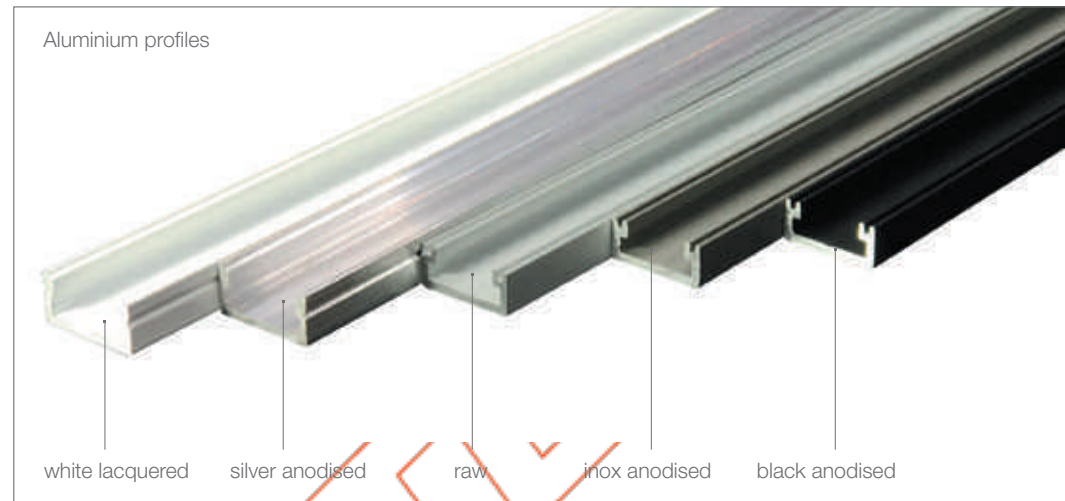
Profile anodising process

# Finishes for led profile

## Anodised profiles

Since the profiles undergo a controlled oxidation process when being anodised, their resulting thickness will be thinned down to a lesser quantity of microns when compared to the values before the anodising.

By providing a 15 micron thick layer to the profile, we enhance its thermal stability to a greater degree, and so the anodised profile becomes more resistant to degradation over time than its raw version.



All our anodised items are QUALANOD certified



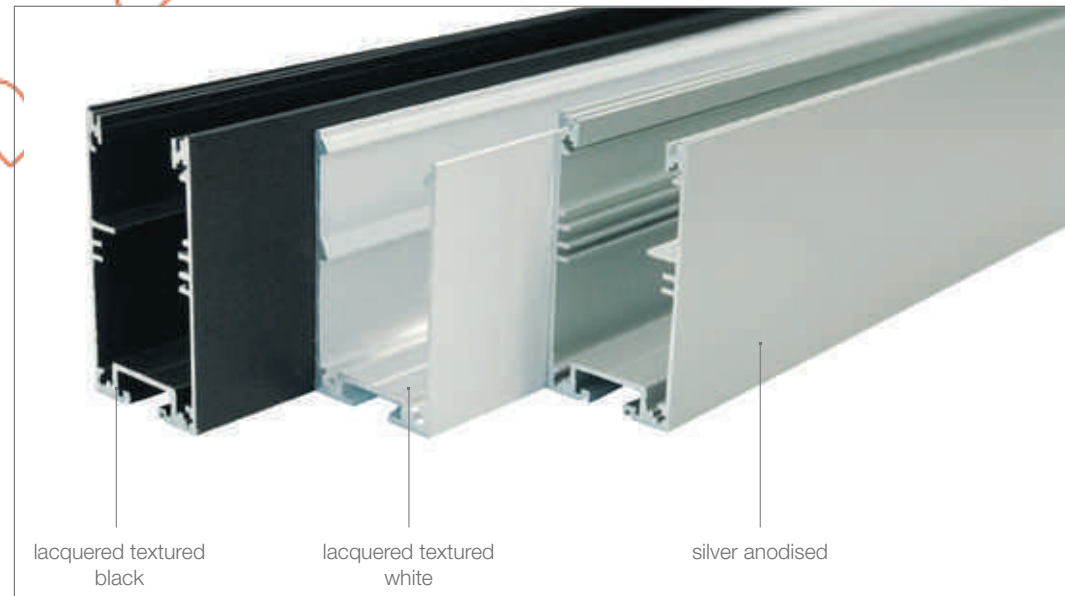
Special anodising can be carried out on demand, where the standard is normally silver / inox / black

## Lacquered profiles

We are applying a new textured and lacquered finish on the profiles, which not only gives a modern appearance but also makes them more resistant to impact and scratches.

All lacquering carried out on our profiles are preceded by a coating of chrome and are certified by Qualicoat, offering a lifetime guarantee for lacquering.

Please refer to our data sheets to check information regarding our covers and also for the lacquering/ anodising processes available for each profile.





# Covers for led profile

## Polycarbonate covers (4 year guarantee) and methacrylate (2 year guarantee)

Our polycarbonate covers comply with the fire protection standard UL94:VØ and fulfil standards according to the resistance test ISO2039-2: R120/M50. They have a thermal linear expansion coefficient in accordance to ISO 11359-2: 6.5.

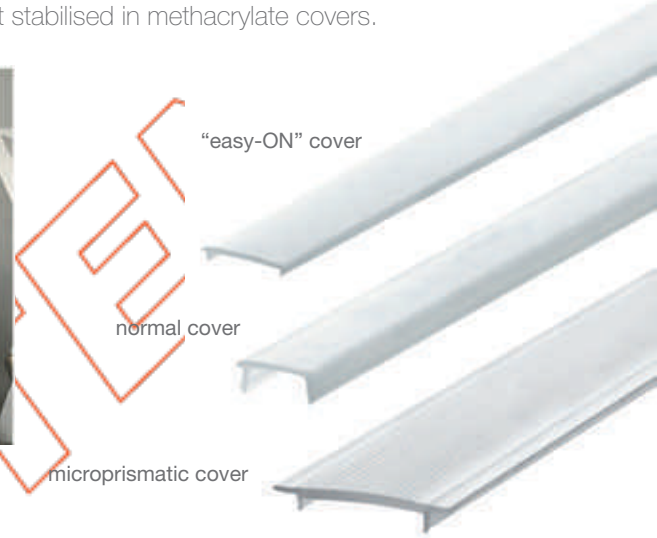
They comply with standards according to Charpy impact Strength ISO 179-1:30. UV treatment stabilised in methacrylate covers.



Monomer or  
polycarbonate chippings



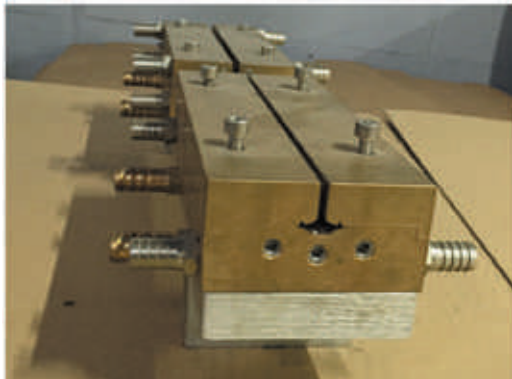
Cover matrix



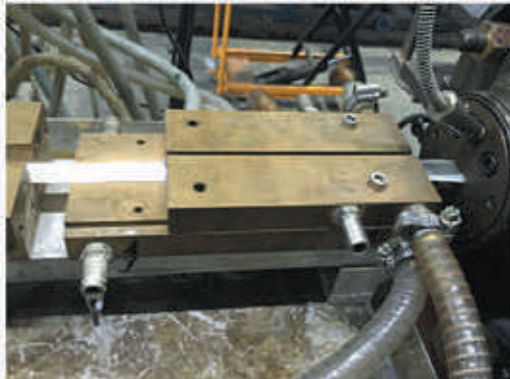
“easy-ON” cover

normal cover

microprismatic cover



Cover cooler



Cover extrusioning



Cover cutter

## Expansion coefficient and material contraction

Changes in temperature can modify material structure and these changes can be seen in aluminium and PMMA where expansion can reach 1.2mm with a temperature of 20°C.

PMMA can reach a linear expansion of 4mm x metre with a temperature variation of 0 to 50°C.

Aluminium (pure)	$23.1 \times 10^{-6} / K$
Polymethylmethacrylate (PMMA)	$80 \times 10^{-6} / K$

FORMULA for calculations:  $\Delta L = \alpha \times L_0 \times \Delta T$   
(Expansion coefficient x initial length x temperature change)

# Covers for led profile

## Led profile covers

**“easy-ON” polycarbonate covers:** greater impact resistance, lower resistance to UV rays (not recommended for direct exterior exposure).

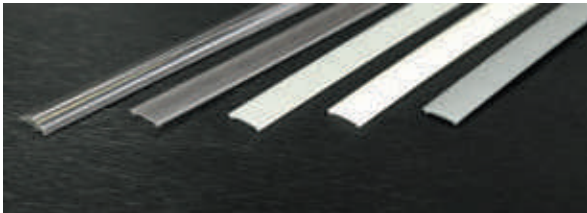
**Acrylic covers:** lower impact resistance and greater resistance to UV rays.

**Blind covers:** opaque, plastic material, suitable for covering areas of profile which are not illuminated (e.g. extreme ends of the profile, where switches or welded parts can be located).

**“easy-ON” optic, polycarbonate cover:** when combined with the profile, the beam angle will be adjusted depending on the distance between led and covers (on all profiles, each specific beam angle has been indicated).

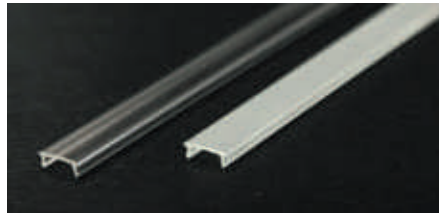
**“easy-ON” treadable IK10 cover:** equipped with UV filters which make the profile suitable for outdoor use, their resistance is also strong enough to endure the weight of a car running over the profile.

**30°-60°-90° methacrylate optic cover:** when applied on the led profile Torino, these clear optic methacrylate covers make the light beam adjustable to different angles.



“easy-ON” polycarbonate covers  
Length up to 600cm

Transparent:	95% light transmission
Optic cover:	85% light transmission
Frosted:	70% light transmission
Opal:	55% light transmission
Black&White:	25% light transmission
Opaque:	0% light transmission



Standard methacrylate covers  
Length up to 600cm clear and frosted



Cover IK10. Length up to 600cm  
Frosted: high resistance to impact and UV rays (only available for the following models: DUBLIN, DUBLIN XL, TOKYO and FLORENCIA)



Methacrylate optic covers for led profile TORINO  
Optic 30° - optic 60° - optic 90°

**IMPORTANT NOTE:** when cleaning, no degreasers, diluted solvents or any other kind of aggressive products must be used on the covers, regardless of type, thus preventing instant yellowing or any cracks on their surface.

Cleaning must be carried out using soapy water and avoiding any kind of chemical additives.

## Covers for big profiles

Polycarbonate “easy-ON” covers: greater impact resistance and lower UV ray resistance (not recommended for outside use).

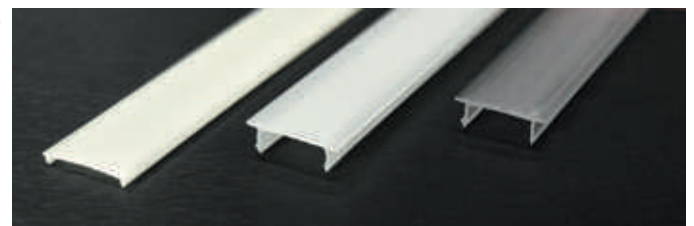
Microprismatic covers: designed to achieve greater light emissions, while at the same time glaring effects and UGR levels are diminished.

Covers equipped with trellis: designed to reduce the glare values while also optimising the use of the light.



Covers with trellis  
The size can be adapted the led strip

“easy-ON” big profile covers  
Sizes: to 600cm length  
Transparent: 97% light transmission  
Frosted: 75% light transmission  
Opal: 55% light transmission  
Microprism: transparent or frosted  
Microprism frosted: 45% light transmission  
Microprism transparent: 85% light transmission  
Black&White: 20% light transmission







Black&White cover





Black&White is a black cover for led profiles, composed of a special material which allows light to be transmitted once the led is in place. It maintains the RGB and single colour tones in 95% but absorbs luminosity (approx 70%) which means it is used mainly for decorative and not technical lighting.

If we combine it with our black led profiles along with both black end caps and clips it becomes perfectly camouflaged in dark surfaces offering a spectacular and extremely elegant finish. This design finds its maximum expression once combined with digital lighting (please check with our technical department).

## Black&White cover (led profile “easy-ON”)

Scale 1:1



MILANO  
See page 44



FRANKFURT  
See page 71



ROMA  
See page 48



BERLIN  
See page 73



PARIS  
See page 94



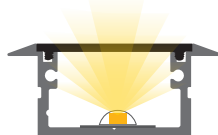
SOPHIA  
See page 83

## Black&White XL cover (led profile “easy-ON”)

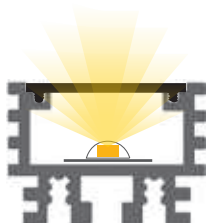
Scale 1:1



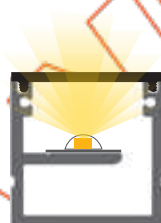
ROMA XL  
See page 52



BERLIN XL  
See page 74



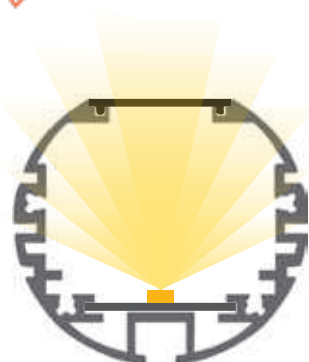
INFERNO  
See page 56



VERSAILLES  
See page 54



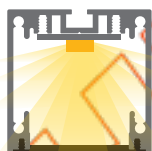
SOPHIA XL  
See page 84



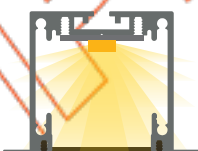
PARIS XL  
See page 100

## Black&White slim cover (big profile “easy-ON”)

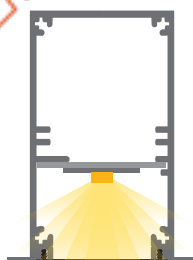
Scale 1:0.5



MUNICH MINI  
See page 192



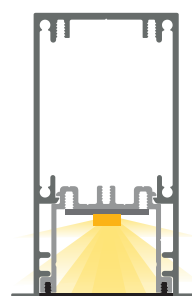
MOSCU MINI  
See page 214



MOSCU SLIM  
See page 220



MUNICH SLIM  
See page 198



MOSCU MAGNUM  
SLIM  
See page 216



MUNICH MAGNUM  
SLIM  
See page 194

## Black&White mini cover (led profile)

Scale 1:1



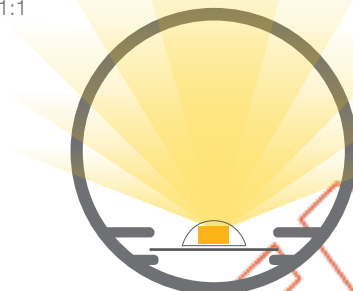
NEW YORK MINI  
See page 64



PHILADELPHIA MINI  
See page 78

## Oslo Black&White (led profile)

Scale 1:1



OSLO Black&White  
See page 102



## Black&White XL square cover (led profile)

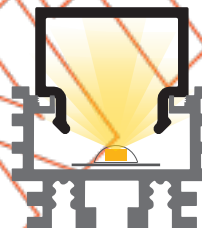
Scale 1:1



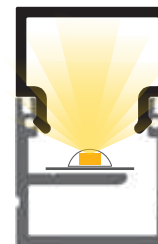
ROMA XL  
See page 52



BERLIN XL  
See page 74



INFERNO  
See page 56



VERSAILLES  
See page 54



## Black&Colours

Our Black&White covers accurately reproduce the led colour which we are using and with a variation lower than 5% on the original led colour. This means that it is very suitable not only for single-coloured led strips (white), but also very useful for coloured or RGB led strips.





# Covers and finishes for led profile

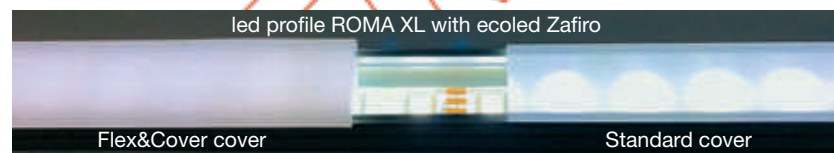
## Flex&Cover: Our new treadable and waterproof flexible covers

Here at Luz Negra we have reinvented the concept of covers. Our new Flex&Cover diffuser is manufactured in 3 different types of PVC (chemically treated), which makes it treadable (for floors). It is perfect for outdoor use as it can endure harsh climatological conditions such as rain, snow, heat and UV rays.

Furthermore, its thickness and opacity means that we achieve an improved dot free effect with the leds, even with shallow depths and with flexible strips where there is a considerable distance between the leds.

Initially we designed this cover for embedding directly into wood (without a profile) since its flexibility permits us to light up in a curved fashion. It can also be used with many of our led profiles with high power flexible strips (due to its increased heat dissipation).

Also, since this is a very robust and resistant cover, it can be used level with the flooring as it is treadable. When it is used with our aluminium profiles, the pressure exerted on the profile creates a waterproofing of approximately IP66 (depending on the profile and cover) and that's why it's practical for outdoor use.

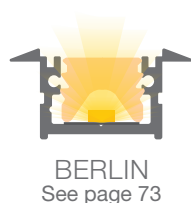
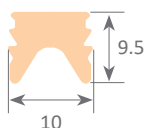


With our new Flex&Cover cover we achieve an improved dots free effect.

## CANNES

11.006 white

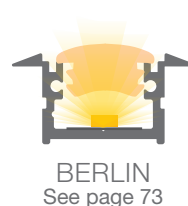
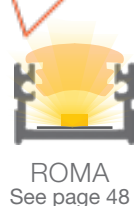
Compatible with:



## LILLE

11.008 white

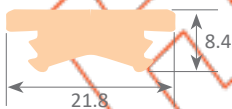
Compatible with:



## ARLES

11.010 white

Compatible with:



# Covers and finishes for led profile

## Marsella Flex&Cover

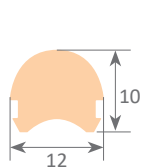
Marsella is a plastic cover for indoor use, available in 8 colours. This cover can be used with 6 led profiles and is also suitable for furniture, milled woods or plasterboard.

Its flexibility permits a certain amount of curving when introduced in wood or plasterboard. These colours mentioned below are only for general orientation and will depend on the tone of the led strip used.



## MARSELLA

### Compatible with:



MILANO  
See page 44



FRANKFURT  
See page 71



ROMA  
See page 48



BERLIN  
See page 73



PARIS  
See page 94

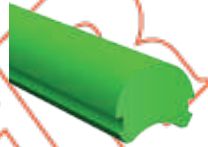


SOPHIA  
See page 83

### Colours available in stock:



YELLOW  
Ref: 11.020



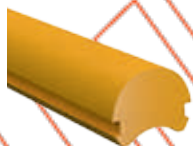
GREEN  
Ref: 11.021



BLUE  
Ref: 11.022



WHITE  
Ref: 11.023



ORANGE  
Ref: 11.024



RED  
Ref: 11.025



PINK  
Ref: 11.026



PURPLE  
Ref: 11.027



led profiles for surfaces

HIP





MILANO  
44



CALIFORNIA  
46



CALIFORNIA XL  
47



ROMA  
48



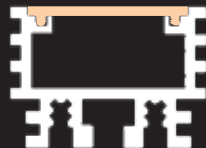
NEW YORK  
50



ROMA XL  
52



VERSAILLES  
54



INFERNO  
56



CHICAGO  
58



TORINO  
60



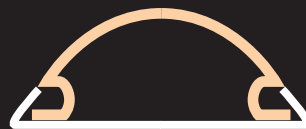
DETROIT  
62



TENNESSEE  
63



NEW YORK  
MINI  
64



BERNA  
66



VISBY  
67

## MILANO



IP65

Our PROFESSIONAL led profile series for surfaces (only 7mm high) is manufactured in high purity anodised aluminium and available in three different colours (the profile can also be supplied in raw aluminium with no coating of paint).

The profile is ideal for using on wall surfaces, furniture, shelves and similar areas, where we require a minimalist profile with very reduced dimensions.

Its cover (available in 9 different finishes), has our "easy-ON" system. Once combined with this profile, it provides an IP65 rating to the luminaire.

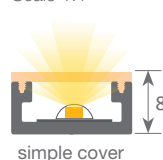
This can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, and others.

The profile and its covers are available in lengths of 2 and 6 metre, thus allowing us to carry out large projects where all profiles do not have joints or similar surface breaks.

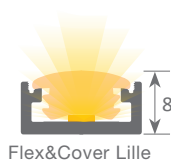
It is suitable for led strips with a maximum length of 12mm, whose power level does not exceed 20W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of our opal cover with Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

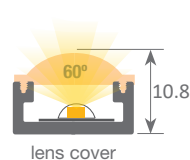
Scale 1:1



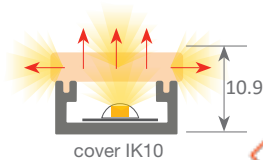
simple cover



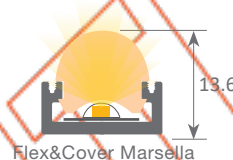
Flex&Cover Lille  
See page 170



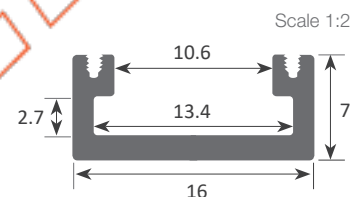
lens cover



cover IK10



Flex&Cover Marsella  
See page 170



Scale 1:2

When applying the lens cover on the Milano profile with the flexible led strip we get a beam of 60° light.



### Aluminium profile

01.001	anodised silver	2m
01.002	anodised black	2m
01.003	anodised inox	2m
01.004	anodised silver	6m
01.005	anodised black	6m
01.006	anodised inox	6m



### Plastic endcaps

19.001	grey without hole
19.002	grey with hole
19.003	black without hole
19.004	black with hole



### Plastic endcaps

19.005	grey without hole lens
19.006	grey with hole lens



### Clip

20.001	chrome steel
20.002	black oxide finish



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Polycarbonate cover "easy-ON"

18.010	lens	2m
18.011	lens	6m



### Polycarbonate cover IK10

18.012	frosted	2m
18.013	frosted	6m



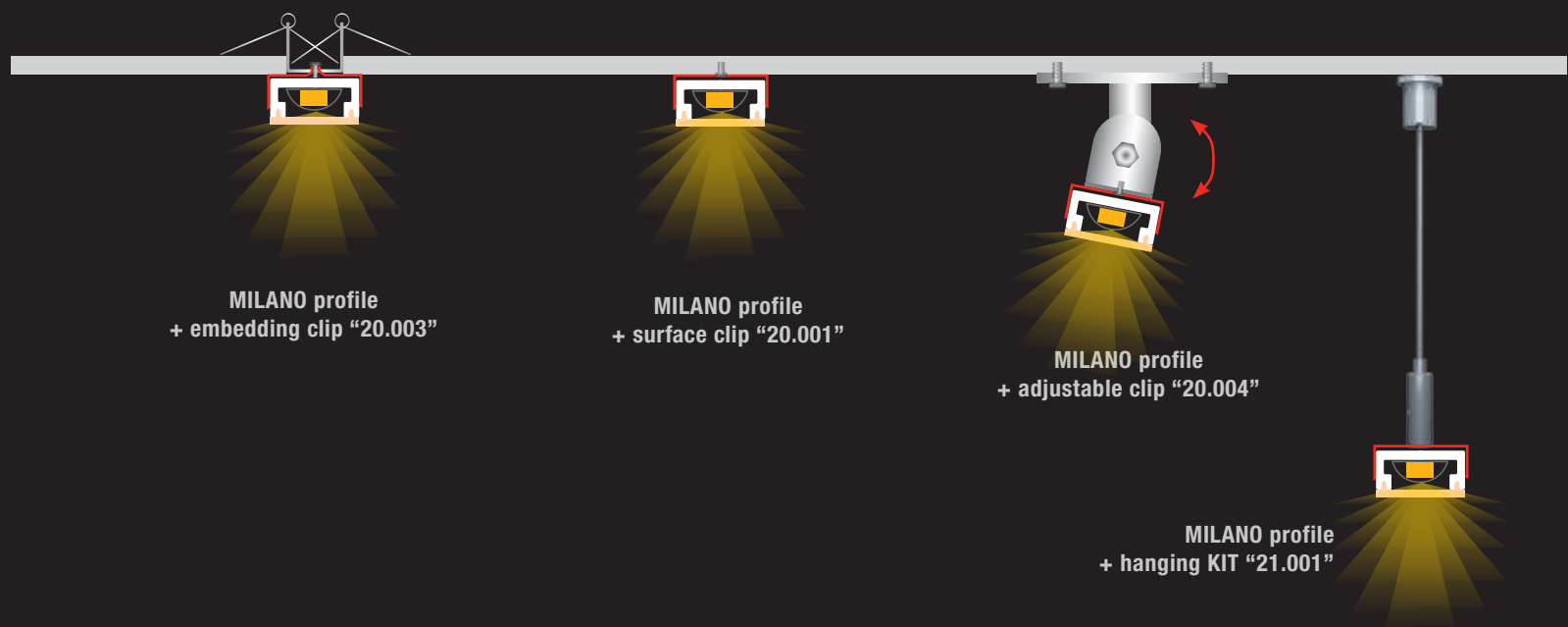
### New flexible Slim Milano

See page 164



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2 Theoretical weight: 0.118kg / Alloy: 6063 / Perimeter: 67mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



**Embedding clip**  
20.003 chrome steel  
(clip not included)



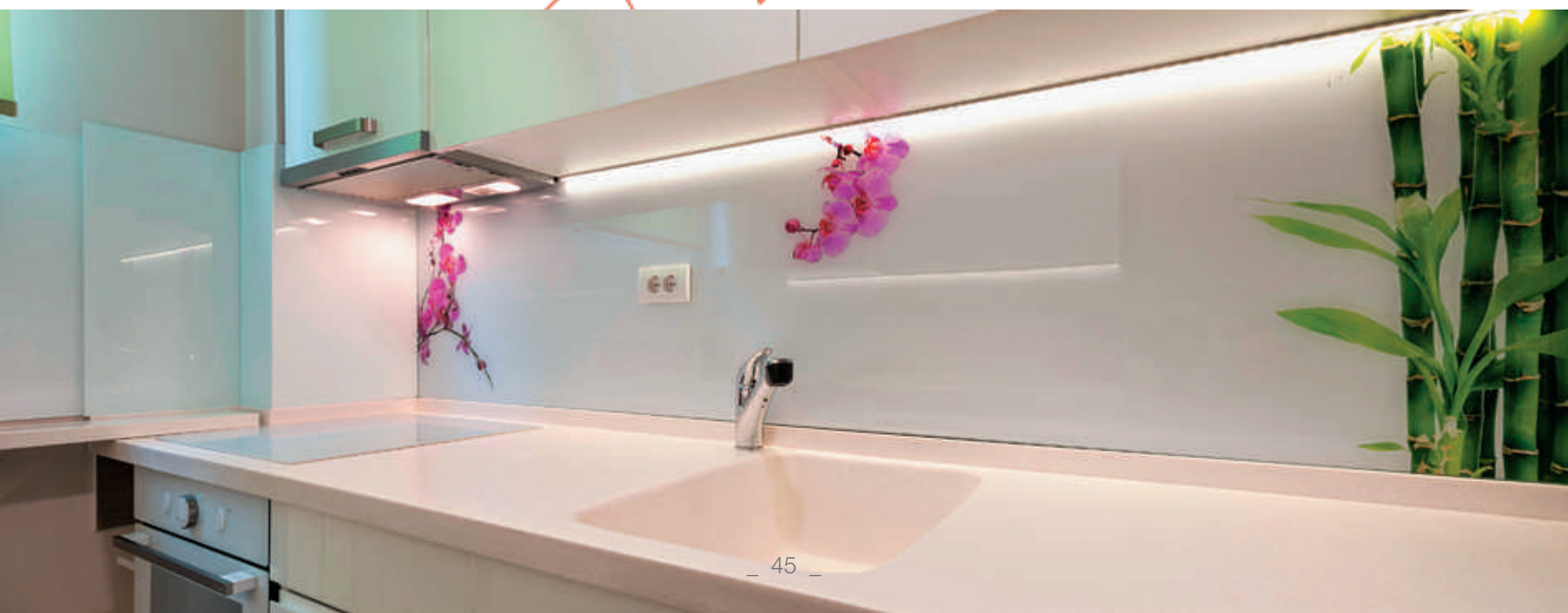
**Adjustable bracket**  
20.004 chrome steel  
(clip not included)



**Hanging KIT**  
21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



**90° angle bracket**  
22.001 steel (52x13mm)





Our BASIC led profile series is only 8mm and for surfaces. Manufactured in high purity aluminium and available in anodised silver, white lacquered and raw aluminium. (On demand it can be supplied with different lacquered/anodised finishes).

Ideal for surface applications, on walls, furniture, bookcases and similar, where we require a minimalist profile with very reduced dimensions.

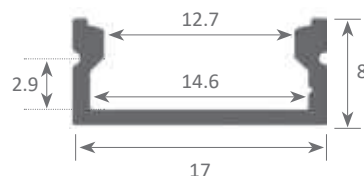
Suitable for led strips with a maximum width of 14mm and power not greater than 20W/m. We recommend our frosted cover and ecoled strips Canovelles-Barcelona-Gomera-COB to achieve homogenous lighting and without seeing the led dots.

**We offer 2 years guarantee on profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

01.007	anodised silver	2m
01.008	white lacquered	2m
01.009	raw	2m
01.010	anodised silver	6m
01.011	white lacquered	6m
01.012	raw	6m



### Plastic endcaps

19.007	white with hole
19.008	white without hole
19.009	grey with hole
19.010	grey without hole



### Clip

20.005	transparent plastic
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### 90° angle bracket

22.001	steel (52x13mm)
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### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### Embedding clip

20.003	chrome steel (clip not included)
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### Adjustable bracket

20.004	chrome steel (clip not included)
--------	-------------------------------------



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.111kg / Alloy: 6063 / Perimeter: 66mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

Our BASIC led profile series is for surfaces (only 9.8mm high) and manufactured in high purity aluminium, available in anodised silver. Ideal for wall surfaces, furnitures, shelves and similar. It is suitable for led strips with a maximum width of 20mm, whose power level does not exceed 30W/m.

We recommend our frosted cover and ecoled strips Canovelles-Barcelona-Gomera-COB to achieve homogenous lighting and without seeing the led dots.

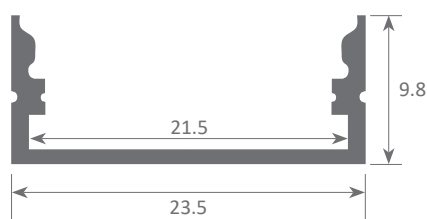
**We offer a 2 year guarantee on our profiles and covers.**

## CALIFORNIA XL

Scale 1:1



Scale 1:2



With double flexible strip of 10mm



### Aluminium profile

02.011 anodised silver 3m



### Plastic endcaps

19.028 with hole  
19.029 without hole



### Clip

20.011 chrome steel



### Methacrylate cover

18.035 frosted 3m



### Adjustable bracket

20.004 chrome steel  
(clip not included)



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.238kg / Alloy: 6063 / Perimeter: 138mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Cover: Fireproof V0

Our PROFESSIONAL led profile series for surfaces (only 11mm high) is manufactured in high purity anodised aluminium and available in three different colours (the profile can also be supplied in raw aluminium with no coating of paint).

The profile is ideal for using on wall surfaces, furniture, shelves and similar areas.

Its cover (available in 9 different finishings) has our "easy-ON" system; once combined with this profile it provides an IP65 rating to the luminaire.

The profile and its cover are available in lengths of 2 and 6 metre, thus allowing us to carry out large projects where all the profiles do not have joints or similar surface breaks.

It is suitable for led strips with a maximum width of 12mm, whose power level does not exceed 30W/m.

In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

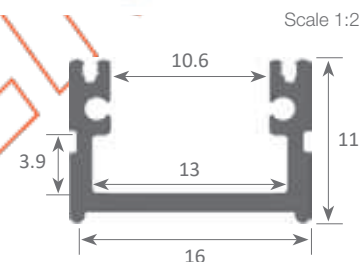
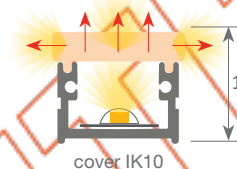
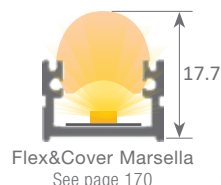
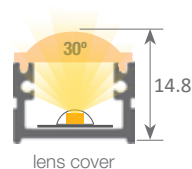
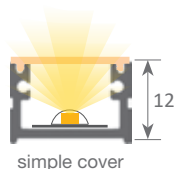
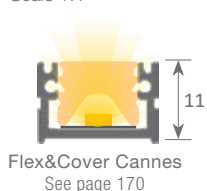
## ROMA



IP65



Scale 1:1



By applying the lens cover on the Roma profile together with the flexible led strip we get a beam of 30° light.



### Aluminium profile

02.001	anodised silver	2m
02.002	anodised black	2m
02.004	anodised silver	6m
02.005	anodised black	6m



### Plastic endcaps

19.016	grey without hole
19.017	grey with hole
19.018	black without hole
19.019	black with hole



### Plastic endcaps

19.020	grey without hole lens
19.021	grey with hole lens



### Clip

20.007	chrome steel
20.008	black oxide finish



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Polycarbonate cover "easy-ON"

18.010	lens	2m
18.011	lens	6m



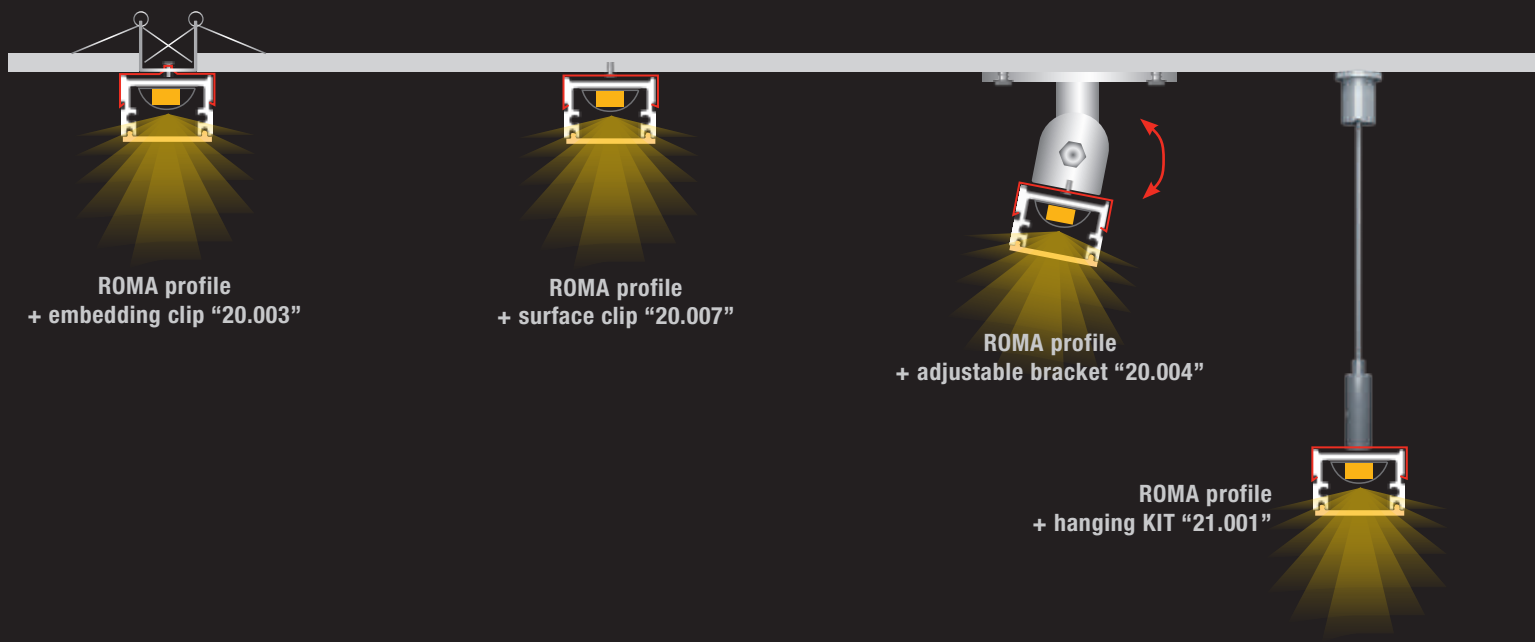
### Polycarbonate cover IK10

18.012	frosted	2m
18.013	frosted	6m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.143kg / Alloy: 6063 / Perimeter: 90mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Cover: Fireproof V0





**Embedding clip**  
20.003 chrome steel  
(clip not included)



**Adjustable bracket**  
20.004 chrome steel  
(clip not included)



**Hanging KIT**  
21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



**90° angle bracket**  
22.001 steel (52x13mm)



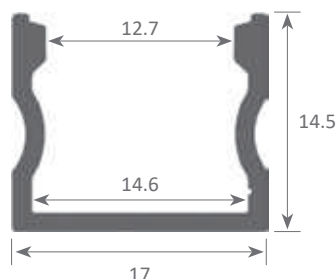
Our BASIC led profile series for surfaces is manufactured in high purity aluminium and available in anodised silver, lacquered white and raw aluminium (on demand we can supply different anodised and lacquered finishes). Ideal for wall surfaces, furniture, shelves and similar.

Suitable for led strips with a maximum width of 14mm and a power not greater than 30W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our frosted cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**



Scale 1:2



Scale 1:1



### Aluminium profile

02.012	anodised silver	2m
02.013	white lacquered	2m
02.014	raw	2m
02.015	anodised silver	6m
02.016	white lacquered	6m
02.017	raw	6m



### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m

### Plastic endcaps

19.030	white with hole
19.031	white without hole
19.032	grey with hole
19.033	grey without hole



### Embedding clip

20.003	chrome steel
	(clip not included)

### Clip

20.005	transparent plastic
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### Adjustable bracket

20.004	chrome steel
	(clip not included)



### 90° angle bracket

22.001	steel (52x13mm)
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### Adhesive magnet

42.001	12mm	1m
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.157kg / Alloy: 6063 / Perimeter: 92mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)





Our PROFESSIONAL led profile series for surfaces is manufactured in high purity anodised aluminium. The profile is ideal for using on wall surfaces, furniture, shelves and similar areas where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Its cover (available in 8 different finishings), has our "easy-ON" system. Once combined with this profile, it provides an IP65 rating to the luminaire.

The profile and its covers are available in lengths of 2 and 6 metre, thus allowing us to carry out large projects where all the profiles do not have joints or similar surface breaks.

It is suitable for led strips with a maximum width of 15mm, whose power level does not exceed 35W/m.

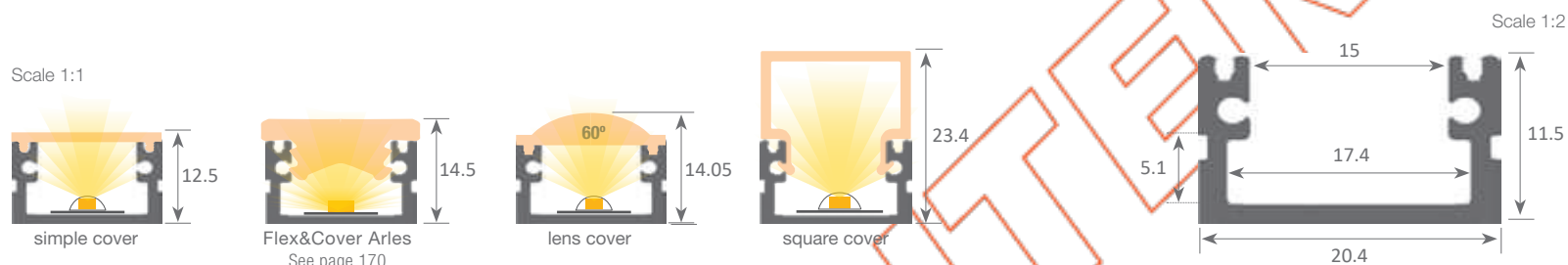
In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## ROMA XL



IP65



By applying the lens cover on the Roma XL profile together with the flexible led strip we get a beam of 60° light.



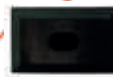
### Aluminium profile

02.007	anodised silver	2m
02.008	anodised black	2m
02.009	anodised silver	6m
02.010	anodised black	6m



### Plastic endcaps

19.022	grey without hole
19.023	grey with hole



### Plastic endcaps

19.024	black without hole
19.025	black with hole



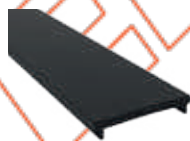
### Endcaps for square cover

19.026	white without hole
19.027	black without hole



### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



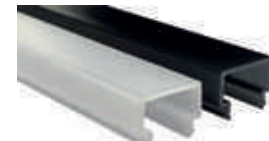
### Black&White cover "easy-ON"

18.028	Black&White	2m
18.029	Black&White	6m



### Polycarbonate cover "easy-ON"

18.030	lens	2m
18.031	lens	6m

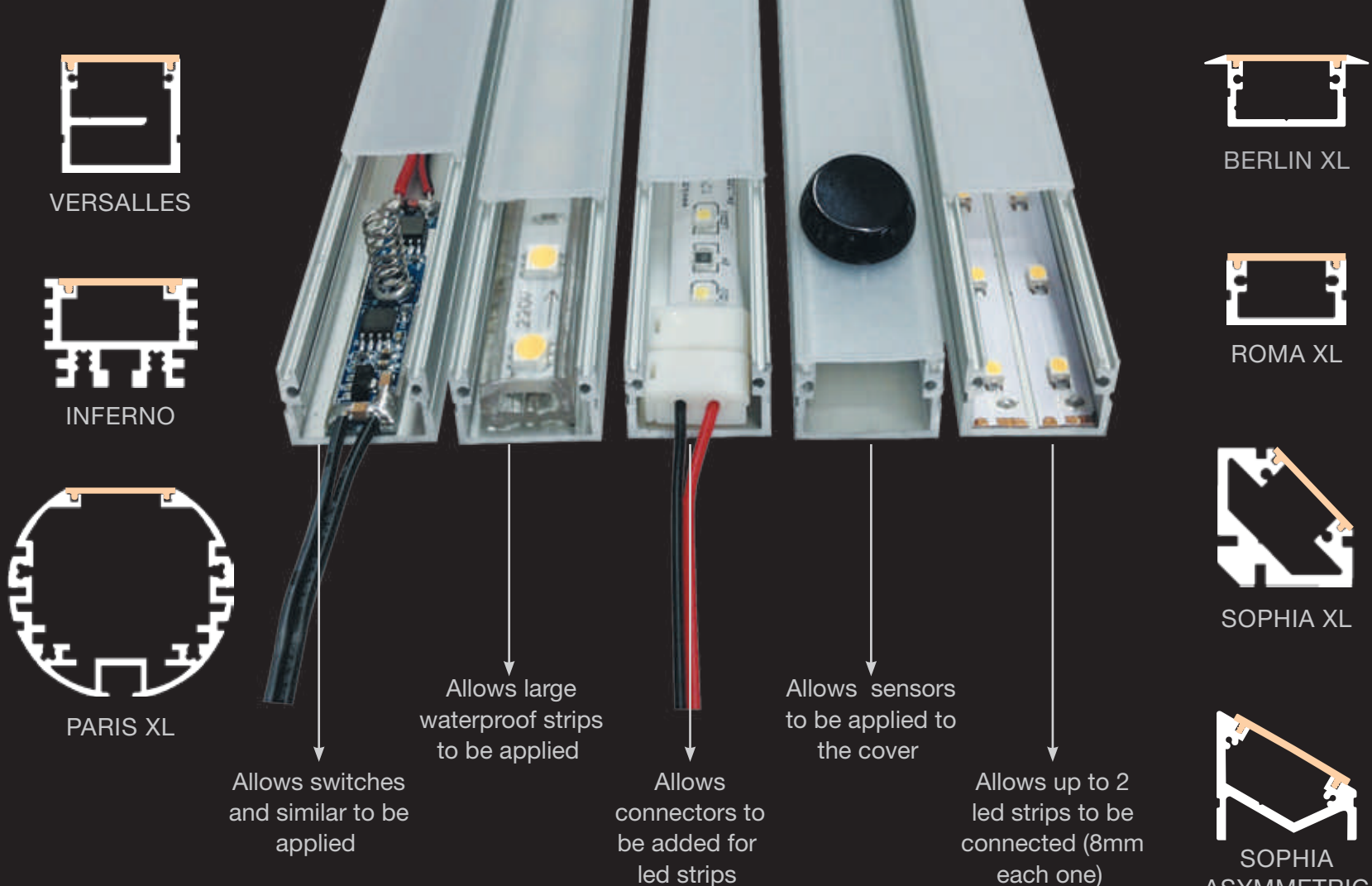


### Square cover

18.032	frosted	2m
18.102	Black&White	2m
18.033	frosted	6m
18.034	Black&White	6m



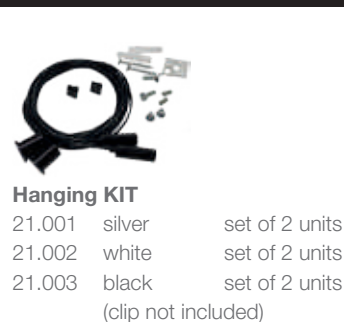
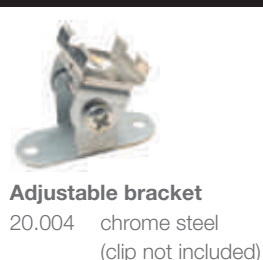
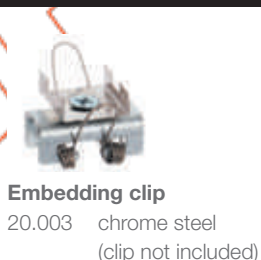
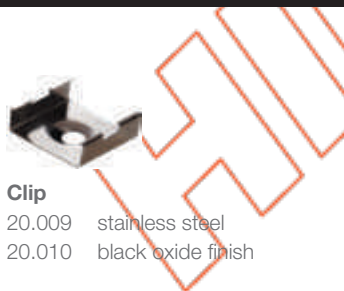
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.162kg / Alloy: 6063 / Perimeter: 102mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Cover: Fireproof V0



## ¿Why choose led profile XL?

Our led profiles XL are slightly larger than our standard profiles in order to house many different accessories inside, something that can't be done with other models due to the lack of space and wider led strips.

They have a cover which is 25% wider than the rest and that means a 25% increase in light projection. Bigger in size also means greater heat dissipation which is extremely important when it comes to high luminosity led strips.



Our PROFESSIONAL led profile series is for surfaces and in high purity anodised aluminium. This profile is ideal for using on wall surfaces, furniture, shelves and similar areas, where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

By providing a lower channel for the return path of the cable, the profile allows us to close the circuit therefore steep voltage drops are prevented. Small drivers can also be placed in this lower channel.

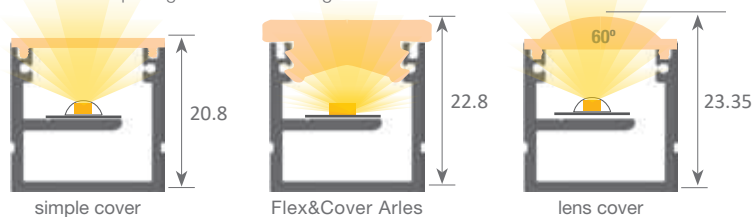
Its cover (available in 7 different finishings), which offers our "easy-ON" system, once combined with this profile provides an IP65 rating to the luminaire. It can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

The profile and its covers are available in lengths of 2 and 6 metre, thus allowing us to carry out large projects, where all the profiles do not require joints or similar surface breaks. It is suitable for led strips with a maximum width of 15mm, whose power level does not exceed 35W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal covers and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

Scale 1:1

By applying the lens cover on the Versailles profile together with the flexible led strip we get a beam of 60° light.



## Aluminium profile

02.018	anodised silver	2m
02.019	anodised black	2m
02.020	anodised silver	6m
02.021	anodised black	6m



## Plastic endcaps

19.034	grey without hole
19.293	black without hole



## Endcaps for square cover

19.035	without hole (white)
19.036	without hole (black)



## Clip

20.009	stainless steel
20.010	black oxide finish



## Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



## Black&White cover "easy-ON"

18.028	Black&White	2m
18.030	lens	2m
18.029	Black&White	6m
18.031	lens	6m



## Square cover

18.032	frosted	2m
18.102	Black&White	2m
18.033	frosted	6m
18.034	Black&White	6m



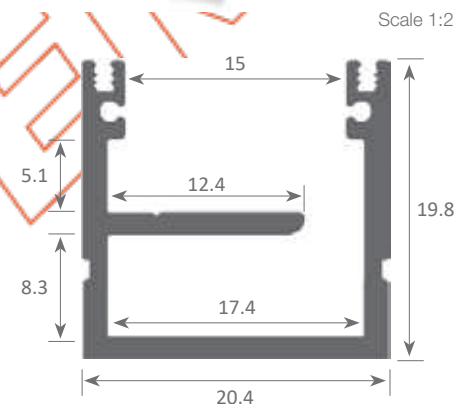
# VERSALLES



IP65



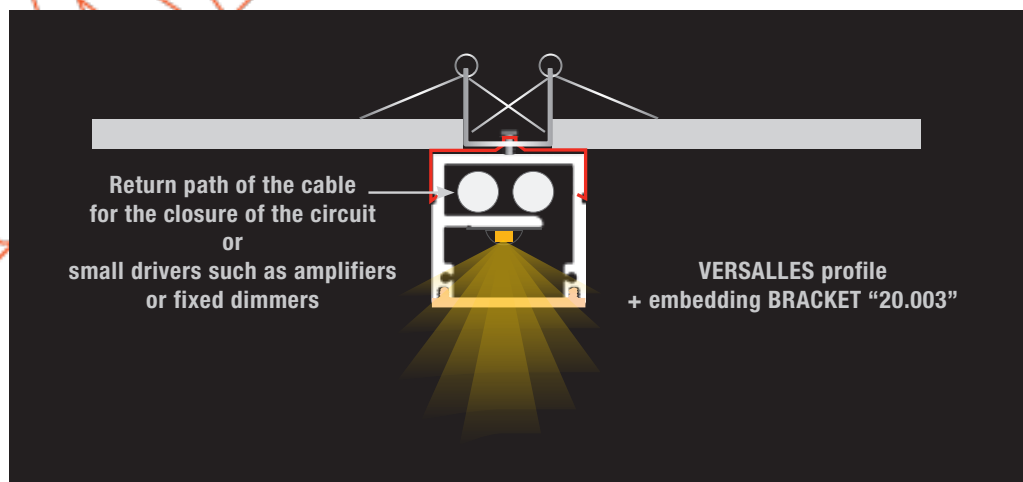
Scale 1:2



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.273kg / Alloy: 6063 / Perimeter: 159mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





**Embedding clip**  
20.003 chrome steel  
(clip not included)



**Adjustable bracket**  
20.004 chrome steel  
(clip not included)



**Hanging KIT**  
21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)

Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in high purity aluminium and available in silver and black anodised. Ideal for wall surfaces, furniture, shelves and similar areas where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Thanks to its radiator-like design, this profile achieves greater levels of heat dissipation when compared to any other type. By using its lower channels, the manufacturing of square, rectangular or L-shaped hanging luminaires is also possible.

Its cover (available in 8 different finishing) has our "easy-ON" system. Once combined with this profile, it provides an IP65 rating to the luminaire. Hence, it can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## INFERNO

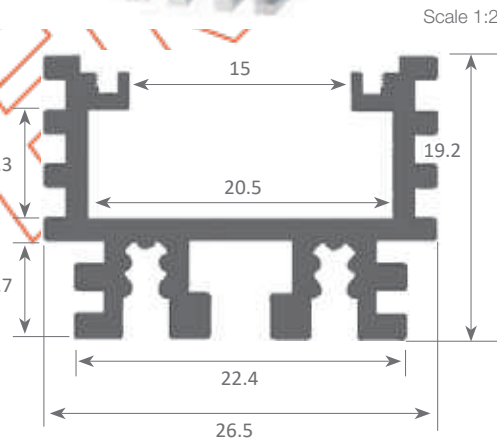
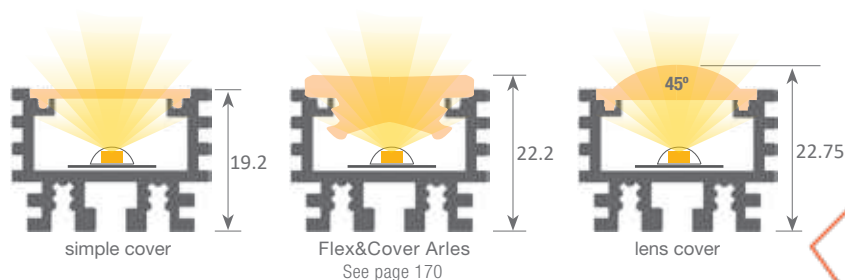


IP65



Scale 1:1

By applying the lens cover on the Inferno profile together with the flexible led strip we get a beam of 45° light.  
The information is just approximate. Please check with our technical department.



Scale 1:2



### Aluminium profile

02.022	anodised silver	2m
02.023	anodised black	2m
02.024	anodised silver	6m
02.025	anodised black	6m



### Plastic endcaps

19.037	grey without hole
19.039	black without hole
19.040	black with hole



### Aluminium endcaps

19.041	anodised silver without hole
19.042	anodised silver with hole



### Endcaps for square cover

19.043	without hole (white)
19.044	without hole (black)



### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



### Black&White cover

18.028	Black&White	2m
18.029	Black&White	6m



### Polycarbonate cover "easy-ON"

18.030	lens	2m
18.031	lens	6m



### Square cover

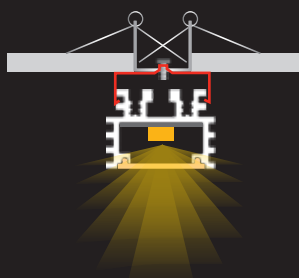
18.032	frosted	2m
18.102	Black&White	2m
18.033	frosted	6m
18.034	Black&White	6m



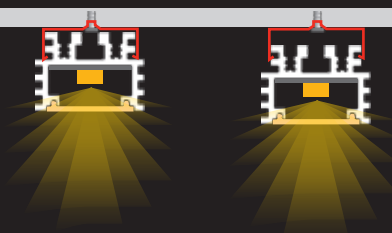
Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.446kg / Alloy: 6063 / Perimeter: 211mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

The increase in distance from the wall improves the ventilation levels,  
allowing us to obtain a higher rating of heat dissipation



**INFERNO profile**  
**+ embedding clip "20.003"**



**INFERNO profile**  
**+ surface bracket "20.013"**

The 20.013 can be placed in the Inferno profile at two  
different heights.



**INFERNO profile**  
**+ hanging KIT "21.001"**



**Clip**

20.012 chrome steel  
20.013 black oxide finish



**Adjustable bracket**

20.004 chrome steel  
(clip not included)



**Embedding clip**

20.003 chrome steel  
(clip not included)



**Hanging KIT**

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units
		(clip not included)



**90° angle bracket**

22.003 steel



**120° angle bracket**

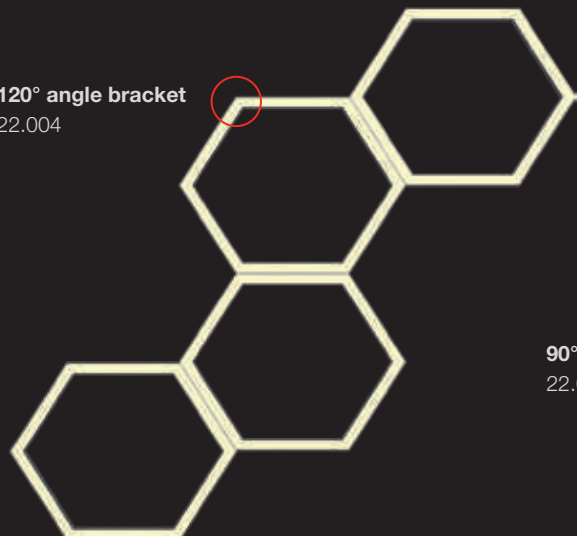
22.004 steel



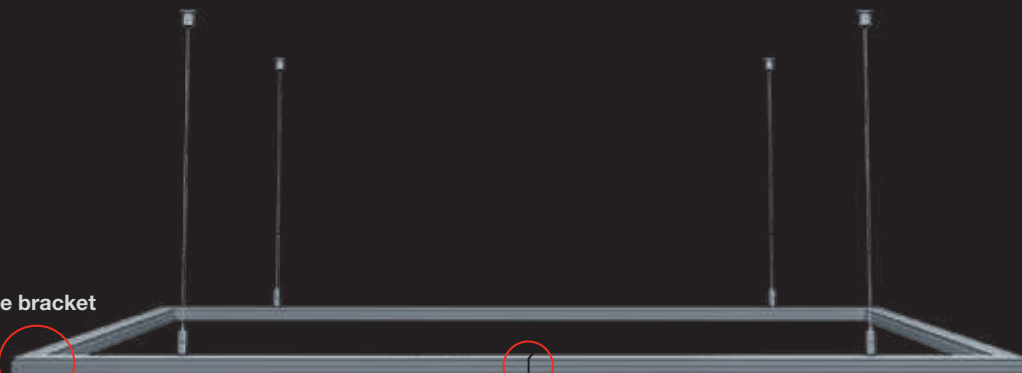
**Profile joint**

22.005 steel

**120° angle bracket**  
22.004



**90° angle bracket**  
22.003



**Profile joint**  
22.005

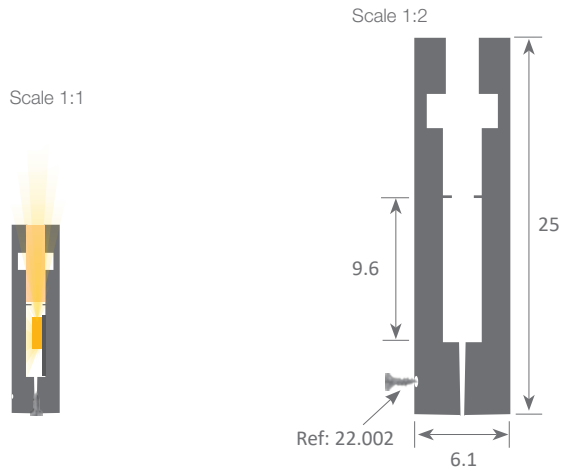


## CHICAGO

Our PROFESSIONAL led profile series is for surfaces or embedding with a width of only 6mm and manufactured in high purity aluminium and anodised in silver. The very latest in thin led profiles as the width of visible light is only 2.5mm. Its main function is for embedding in furniture and wherever we may need a very fine line of light. This is a very elegant and exclusive product.

We recommend the use of ecoled Getafe and Irún due to its extremely thin PCB and for side lighting.

**We offer a 2 year guarantee on both profiles and covers.**



**Aluminium profile**  
01.015 anodised silver 1m



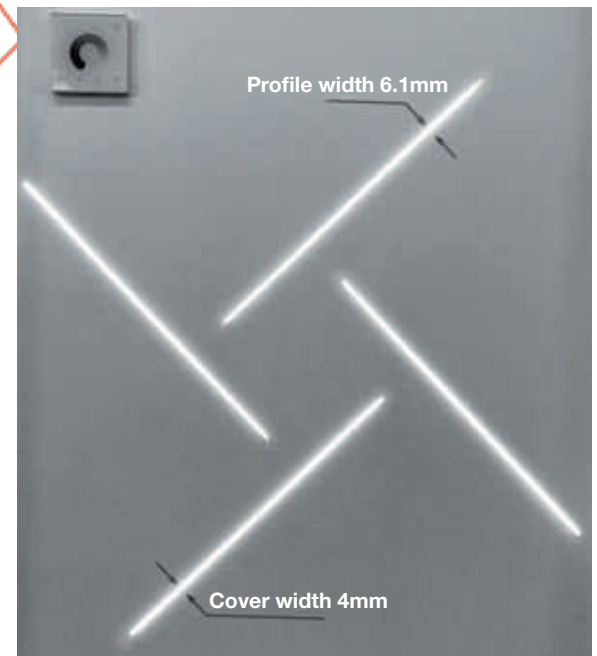
**Endcaps**  
19.014 without hole  
19.015 with hole



**Methacrylate cover**  
18.021 opal 1m  
(to simply installation we recommend fixing the cover with double sided tape).



**Fixing screw**  
22.002 chrome steel



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.285kg / Alloy: 6063 / Perimeter: 116.6mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



## TORINO

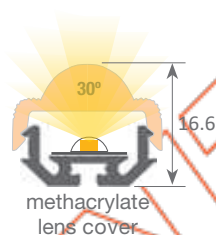
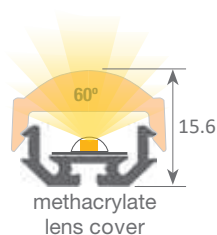
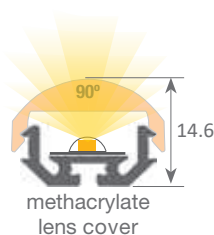
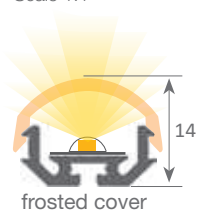
Our PROFESSIONAL led profile series for surfaces and corners, due to its bevelled shape, can also be used as a corner profile. It is manufactured in high purity aluminium and available in anodised silver. Ideal for surfaces, corners, furniture, shelves and similar.

It can be combined with our 30°/60°/90° optic covers or with our white frosted cover.

Suitable for led strips with a maximum width of 12mm and a power not greater than 30W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our frosted cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

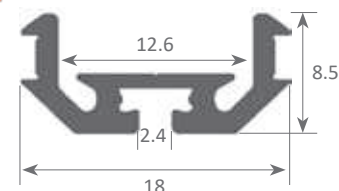
Scale 1:1



Torino with frosted cover

Torino with lens

Scale 1:2



### Aluminium profile

02.026	anodised silver	2m
02.027	anodised silver	6m

### Aluminium endcaps

19.045	for 30° lens
19.046	for 60° lens
19.047	for 90° lens and frosted cover 18.039

### Clip

20.014	transparent plastic
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### Methacrylate cover

18.036	30° lens	2m
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### Methacrylate cover

18.037	60° lens	2m
--------	----------	----



### Methacrylate cover

18.038	90° lens	2m
--------	----------	----



### Methacrylate cover

18.039	frosted	2m
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.154kg / Alloy: 6063 / Perimeter: 86mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0







Our BASIC led profile series for surfaces is only 8mm width, manufactured in high purity aluminium and anodised in silver (on demand can be supplied with different lacquered/anodised finishing). Ideal for surface applications, on walls, furniture, bookcases and similar, where we require a minimalist profile with very reduced dimensions.

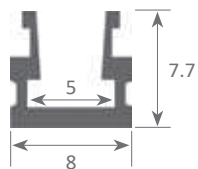
Suitable for led strips with a maximum width of 5mm and power not greater than 16W/m. We recommend the use of ecoled Cies due to its PCB (only 5mm wide).

**We offer 2 years guarantee on profiles and covers.**

Scale 1:1



Scale 1:2



**Aluminium profile**

01.013 anodised silver 2m



**Plastic endcaps**

19.011 with hole



**Clip**

20.006 chrome steel



**Polycarbonate cover**

18.019 opal 2m



**Adjustable bracket**

20.004 chrome steel  
(clip not included)



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.080kg / Alloy: 6063 / Perimeter: 18.2mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

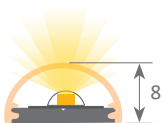
Our BASIC led profile series for surfaces is only 8mm high and manufactured in high purity anodised aluminium.

This profile is ideal for using on wall surfaces, furniture, shelves and similar areas, where we require a minimalist profile with very reduced dimensions. Its white cover completely embraces the profile and provides a greater angle of light emission.

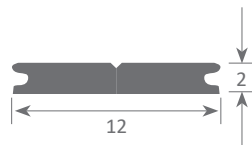
It is suitable for led strips with a maximum width of 10mm, whose power level does not exceed 20W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our opal cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on both profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

01.014 anodised silver 2m



### Plastic endcaps

19.012 with hole  
19.013 without hole



### Polycarbonate cover

18.020 opal 2m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.061kg / Alloy: 6063 / Perimeter: 30.4mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Our BASIC led profile series for surfaces is manufactured in high purity aluminium and available in anodised silver and black (on demand we can supply different anodised and lacquered finishings). Ideal for wall surfaces, furniture, shelves and similar.

Suitable for led strips with a maximum width of 5mm and a power not greater than 15W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our frosted cover and Cies ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

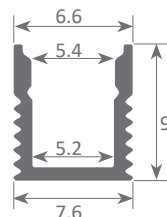
## NEW YORK MINI



Scale 1:1



Scale 1:2



### Aluminium profile

02.029	anodised silver	3m
02.030	anodised black	3m



### Plastic endcaps

19.215	white with hole
19.216	white without hole
19.288	black without hole
19.287	black with hole



### Clip

20.049	chrome steel
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### Polycarbonate cover

18.081	frosted	3m
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### Black&White cover

18.085	Black&White	3m
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### Adjustable bracket

20.004	chrome steel
	(clip not included)



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



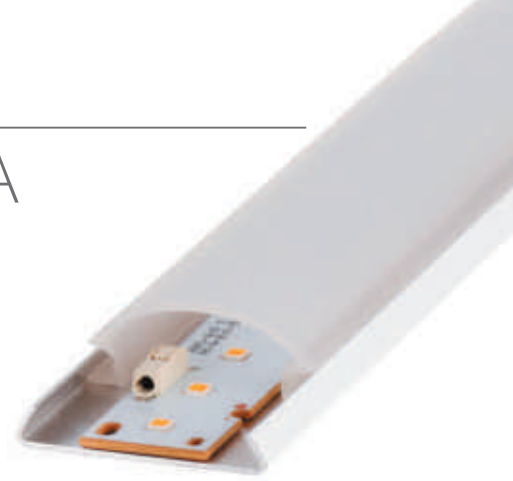


Our BASIC led profile series for surfaces, manufactured in curved aluminium is available in lacquered white (on demand, we can supply different anodised and lacquered finishes). Ideal for wall surfaces, ceilings, display units, furniture, shelves and similar. It is fixed using single or double-sided magnetic adhesive tape.

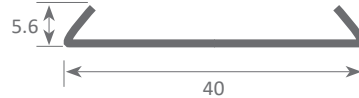
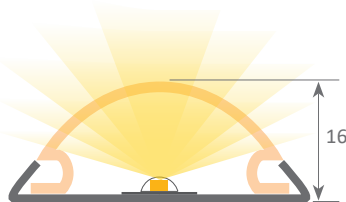
Suitable for led strips with a maximum width of 35mm and a power not greater than 35W/m. Apart from the flexible led strips, rigid ones can also be combined with this profile).

In order to obtain a more homogeneous illumination, while also making the light dots invisible, we recommend the use of our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**



Scale 1:1



**Aluminium profile**

02.028 white aluminium 2m



**Plastic endcaps**

19.286 methacrylate frosted



**Methacrylate cover**

18.040 frosted white 2m



**WARNING:**

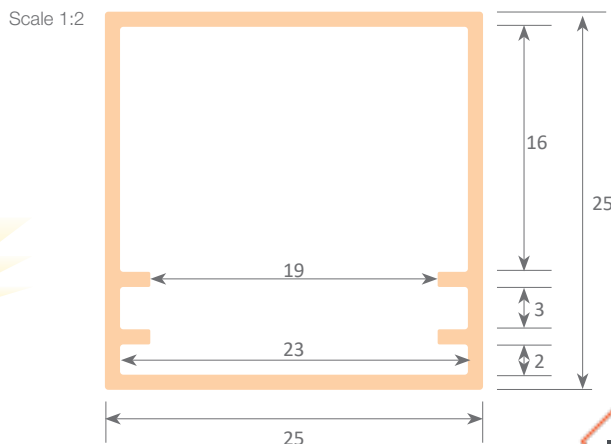
As this is not an extruded profile (manually folded profile) there are some tolerances in the final external measurements (mm). The dimensions therefore in this technical drawing are approximate.



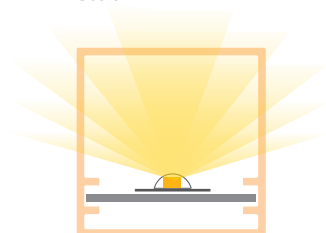
Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in white polycarbonate. The profile is ideal for surface applications, for example ceiling suspended luminaires, floor or wall mounted luminaires, and similar.

It is suitable for led strips with a maximum width of 15mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee.**



Scale 1:1



**Polycarbonate profile**

02.031 opal white 3m



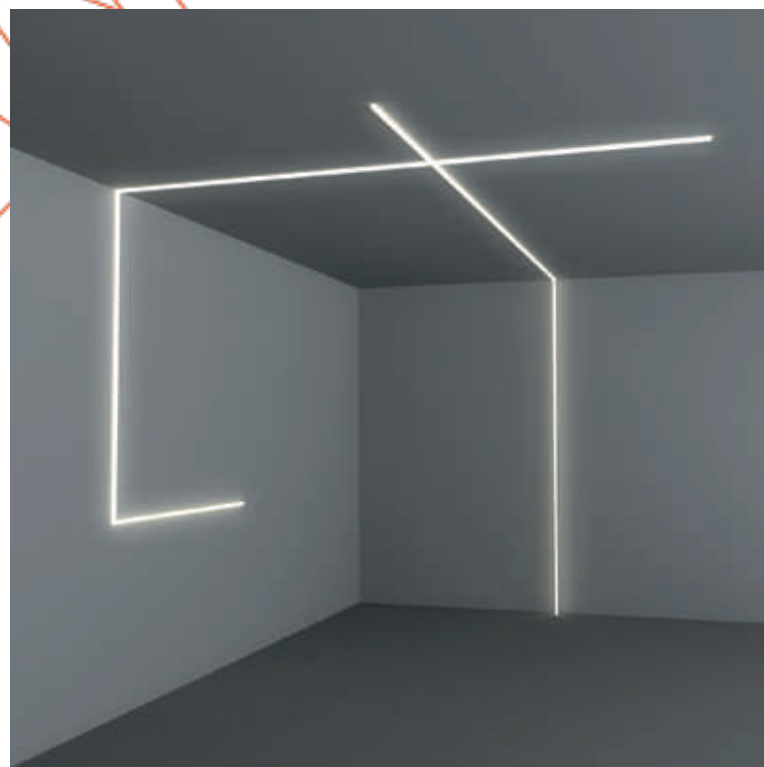
**Inner plate**

22.014 aluminium 2m



**Endcaps**

19.225 without hole



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.135kg / Alloy: 6063 / Perimeter: 100mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



HIPEL

led profiles for recessing



70  
BOSTON



71  
FRANKFURT



72  
PHILADELPHIA



73  
BERLIN



74  
BERLIN XL



76  
DALLAS



78  
PHILADELPHIA  
MINI



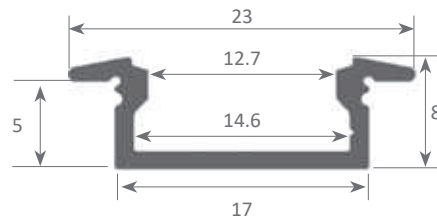
Our BASIC led profile series for recessing is manufactured in high purity aluminium and available in anodised silver, lacquered white and raw aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for embedding in furniture, shelves and similar. Suitable for led strips with a maximum width of 14mm and a power not greater than 15W/m, as there is no ventilation when embedded in wooden surfaces. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

03.005	anodised silver	2m
03.006	white lacquered	2m
03.007	raw	2m
03.008	anodised silver	6m
03.009	white lacquered	6m
03.010	raw	6m



### Plastic endcaps

19.051	white with hole
19.052	white without hole
19.053	grey with hole
19.054	grey without hole
* California's endcaps can also be used	



### Clip

20.005	transparent plastic
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### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### 90° angle bracket

22.001	steel (52x13mm)
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.127kg / Alloy: 6063 / Perimeter: 79mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

Our PROFESSIONAL led profile series for recessing (only 7.5mm high) is manufactured in high purity aluminium, silver and black anodised. Ideal for embedding in furniture, shelving and similar areas where we require a minimalist profile with very reduced dimensions.

Its "easy-ON" cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, and similar.

The profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not have breaks. It is suitable for led strips with a maximum width of 12mm and a power not greater than 15W/m, as there is no ventilation when embedded in wooden surfaces. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

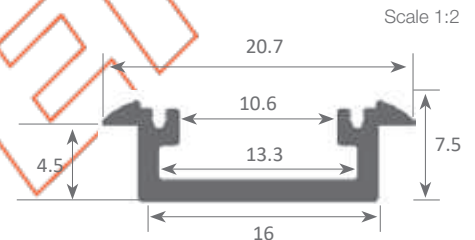
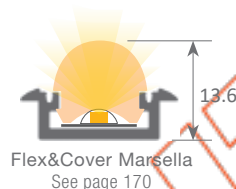
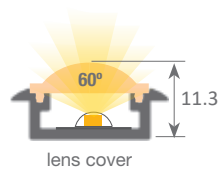
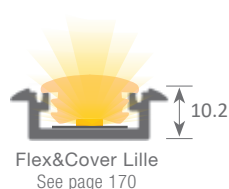
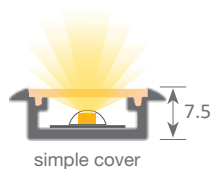
**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## FRANKFURT



IP65

Scale 1:1



When applying the lens cover on the Frankfurt profile together with the flexible led strip we get a beam of 60° light.



### Aluminium profile

03.001	anodised silver	2m
03.002	anodised black	2m
03.003	anodised silver	6m
03.004	anodised black	6m



### Plastic endcaps

19.048	grey
19.049	black

\* Milano's endcaps can also be used



### Plastic endcaps

19.050	grey for lens
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### Clip

20.001	chrome steel
20.002	black oxide finish



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Polycarbonate cover "easy-ON"

18.010	lens	2m
18.011	lens	6m



### 90° angle bracket

22.001	steel (52x13mm)
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.138kg / Alloy: 6063 / Perimeter: 77mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our BASIC led profile series for recessing is manufactured in high purity aluminium and available in anodised silver, lacquered white and raw aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for embedding in furniture, shelving and similar, where we require a profile with a dot free effect.

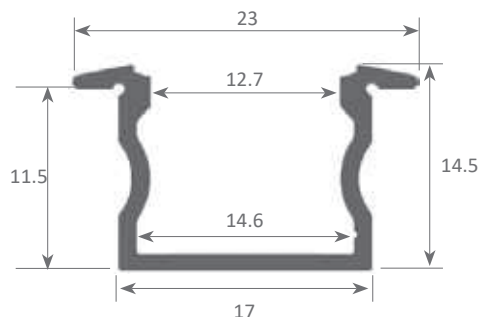
Suitable for led strips with a maximum width of 14mm and a power not greater than 16W/m. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

04.009	anodised silver	2m
04.010	white lacquered	2m
04.011	raw	2m
04.012	anodised silver	6m
04.013	white lacquered	6m
04.014	raw	6m



### Plastic endcaps

19.061	white with hole
19.062	white without hole
19.063	grey with hole
19.064	grey without hole
* New York's endcaps can also be used	



### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### Clip

20.005	transparent plastic
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.176kg / Alloy: 6063 / Perimeter: 105mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



# led profile by Luz Negra

Our PROFESSIONAL led profile series for recessing is manufactured in high purity aluminium, silver anodised and black. Ideal for embedding in furniture, shelving and similar areas where we require a profile with a dot free effect.

Its "easy-ON" cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or similar.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 12mm and a power not greater than 15W/m, as there is no ventilation when embedded in wooden surfaces. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the cover.**

## BERLIN

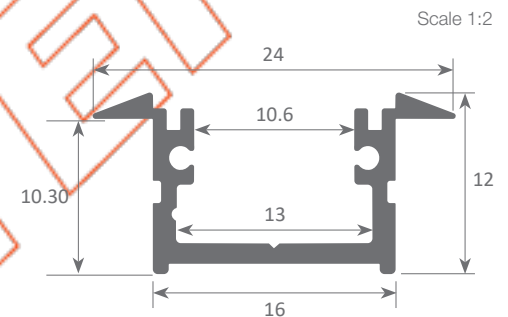
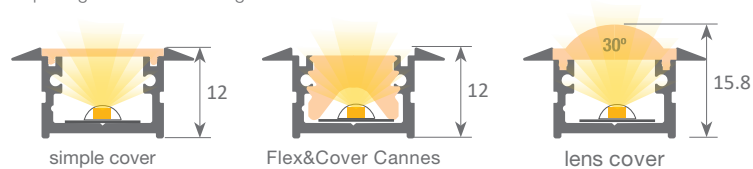


IP65



Scale 1:1

By applying the lens cover on the Berlin profile together with the flexible led strip we get a beam of 30° light.



### Aluminium profile

04.001	anodised silver	2m
04.002	anodised black	2m
04.003	anodised silver	6m
04.004	anodised black	6m



### Plastic endcaps

19.055	grey
19.056	black
* Roma endcaps can also be used	



### Plastic endcaps

19.057	grey for lens
19.058	black for lens



### Clip

20.007	chrome steel
20.008	black oxide finish



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Polycarbonate cover "easy-ON"

18.010	lens	2m
18.011	lens	6m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.167kg / Alloy: 6063 / Perimeter: 108mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series for recessing is manufactured in high purity silver anodised aluminium. Ideal for embedding in furniture, shelving and similar areas where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Its cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges and similar.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 15mm and a power not greater than 15W/m, as there is no ventilation when embedded in wooden surfaces. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the cover.**

## BERLIN XL

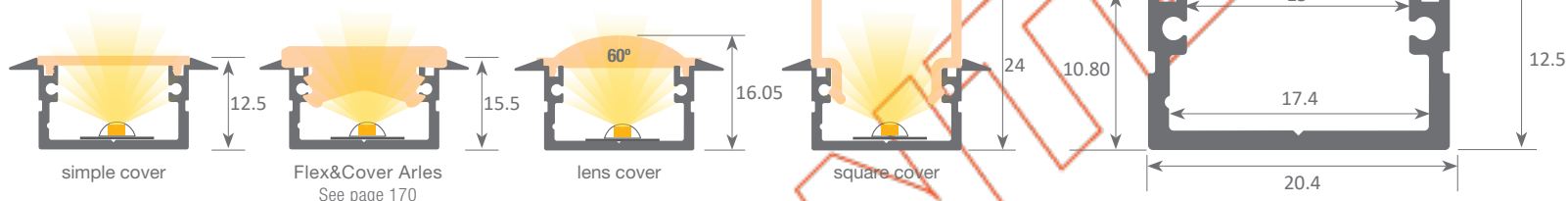


IP65



Scale 1:1

By applying the lens cover on the Berlin XL profile together with the flexible led strip we get a beam of 60° light. The information is just approximate. Please check with our technical department.



### Aluminium profile

04.005	anodised silver	2m
04.006	anodised black	2m
04.007	anodised silver	6m
04.008	anodised black	6m



### Plastic endcaps

19.059	grey without hole
19.060	grey with hole
* Roma XL endcaps can also be used	



### Endcaps for square cover

19.026	without hole (white)
19.027	without hole (black)



### Clip

20.009	chrome steel
20.010	black oxide finish



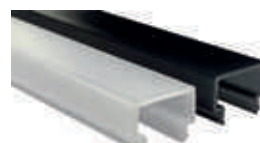
### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



### Black&White cover "easy-ON"

18.028	Black&White	2m
18.030	lens	2m
18.029	Black&White	6m
18.031	lens	6m



### Square cover

18.032	frosted	2m
18.102	Black&White	2m
18.033	frosted	6m
18.034	Black&White	6m



### 90° angle bracket

22.001	steel (52x13mm)
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.187kg / Alloy: 6063 / Perimeter: 120mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





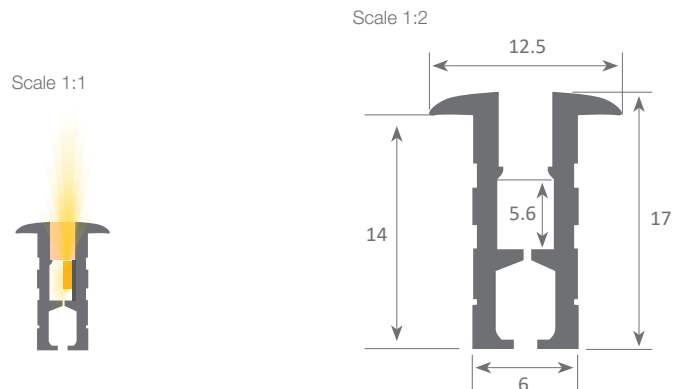
## DALLAS

Our PROFESSIONAL led profile series for recessing and is only 6mm wide (with side wings 12mm). Manufactured in high purity aluminium and available in anodised silver, it stands out for being the thinnest solution for recessing and offers a visible light of only 2.5mm wide.

Mainly used for recessing in furniture, shelving and display units, where the line of light must be extremely thin.

It is an elegant and unique design only suitable for very thin side light led strips and we therefore recommend combining it with our Getafe ecoled strip.

**We offer a 2 year guarantee on our profiles and covers.**



**Aluminium profile (set of 2)**

03.011 anodised silver 2m



**Methacrylate cover**

18.041 opal 1m

(for easy installation we recommend fixing the cover with double-sided tape).



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.099 + 0.102kg / Alloy: 6063 / Perimeter: 49 + 51mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)







Our BASIC led profile series for recessing is manufactured in high purity aluminium and available in anodised silver and black aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for embedding in furniture, shelving and similar, where we require a profile with a dot free effect.

Suitable for led strips with a maximum width of 5mm and a power not greater than 15W/m. We recommend using it with our Cies ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

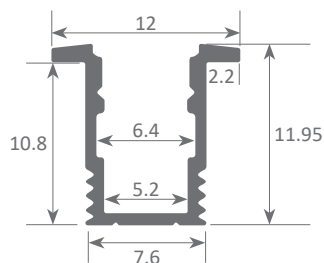
## PHILADELPHIA MINI



Scale 1:1



Scale 1:2



### Aluminium profile

04.015	anodised silver	3m
04.016	anodised black	3m



### Plastic endcaps

19.217	with hole
19.218	without hole
19.289	black with hole
19.290	black without hole



### Clip

20.050	chrome steel
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### Polycarbonate cover

18.081	frosted	3m
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### Black&White cover

18.085	Black&White	3m
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



# The difference is in the small details: small is big!!

In our catalogue you will find our new range of small, yet elegant profiles, perfect for a modern, minimalistic lighting. At Luz Negra we cover for all sizes. Meet the smaller members of our led profile family.

- Much more than small.
- Small, but by no means insignificant.
- Small profile, big inspiration.
- Small, simple yet seductive.
- The power of small.
- Minimalist elegance.



DETROIT See page 62



NEW YORK MINI See page 64



PHILADELPHIA MINI See page 78



NEON MICRO See page 176



NEON CUADRADO See page 178



NEON REDONDO See page 180



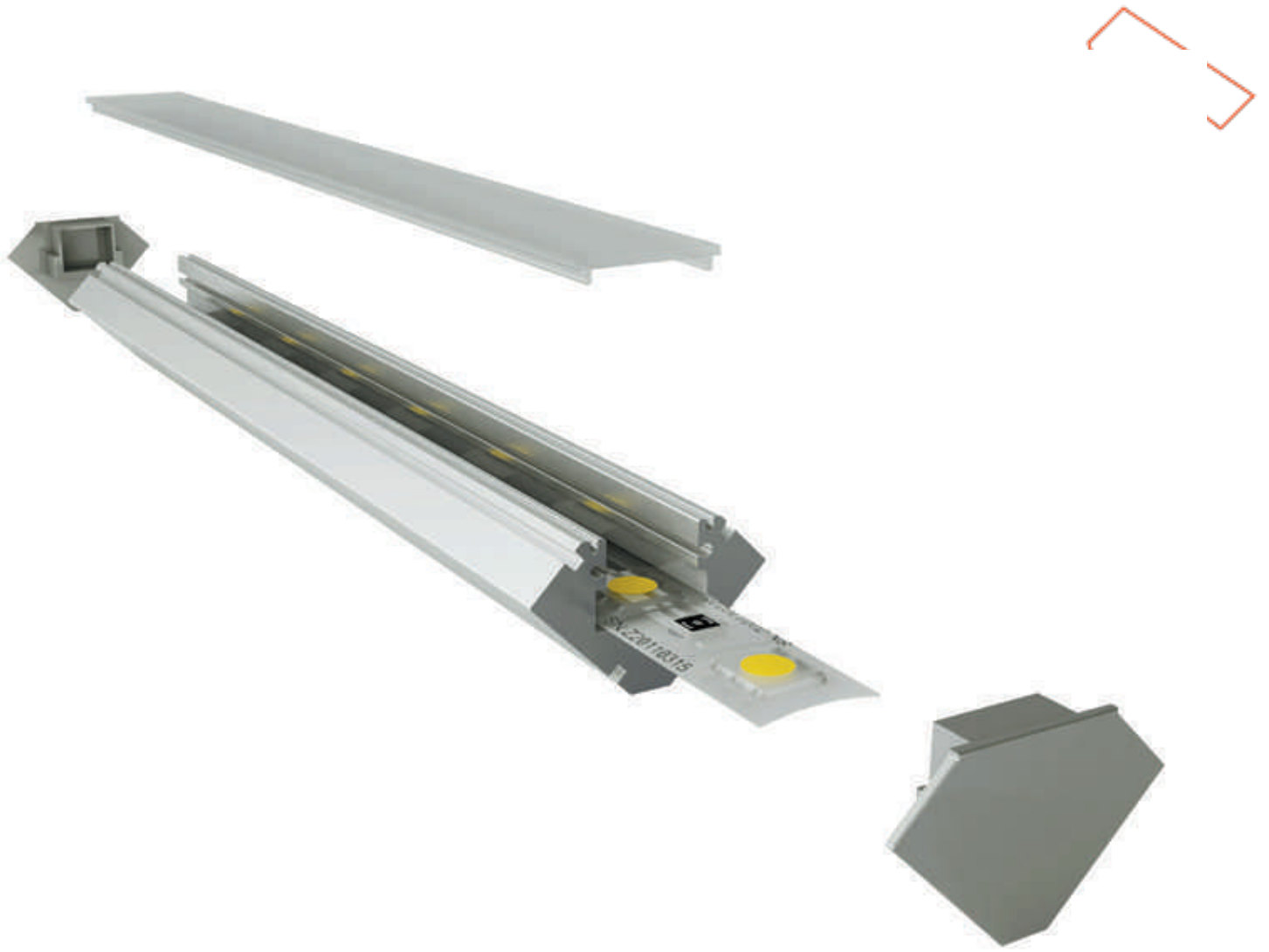
TEXAS MINI See page 88



DALLAS See page 76



CHICAGO See page 58



angular led profiles

WIP



TEXAS

82



SOPHIA

83



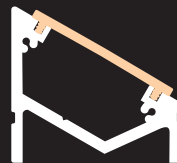
SOPHIA XL

84



AMSTERDAM

86



SOPHIA XL  
ASYMMETRIC

87



TEXAS MINI

88



ZAGREB

90



SPLIT

91



Our BASIC led profile series for angles is high purity aluminium and available in anodised silver, lacquered white and raw aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for wall surfaces, furniture, shelving and similar areas where we require an angular and continuous light emission along with an optimum heat dissipation.

Suitable for led strips with a maximum width of 12mm and a power not greater than 30W/m.

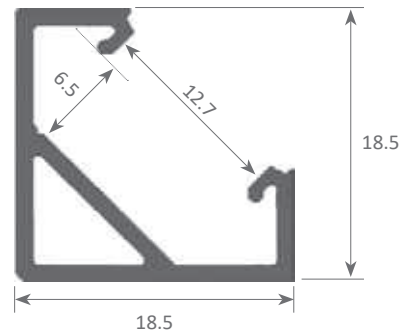
In order to obtain a more homogeneous illumination, while also a dot free effect, we recommend the combined use of both our frosted covers and Canovelles-Barcelona-Gomera ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

05.015	anodised silver	2m
05.016	white lacquered	2m
05.017	raw	2m
05.018	anodised silver	6m
05.019	white lacquered	6m
05.020	raw	6m



### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m

### Plastic endcaps

19.073	white with hole
19.074	white without hole
19.075	grey with hole
19.076	grey without hole



### Adjustable bracket

20.004	chrome steel (clip not included)
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### Clip

20.017	transparent plastic
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.213kg / Alloy: 6063 / Perimeter: 128mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

## SOPHIA



IP65

Our PROFESSIONAL led profile series for corners is manufactured in high purity anodised aluminium and available in 3 different colours. Ideal for wall surfaces, furniture, shelving and similar areas where we require an angled and continuous light emission along with optimum heat dissipation.

Its "easy-ON" cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

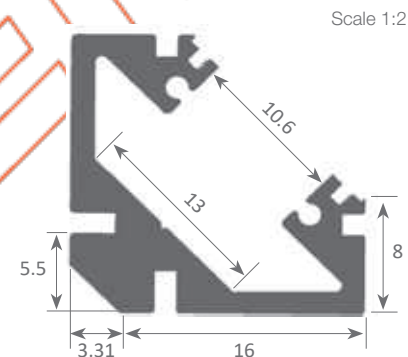
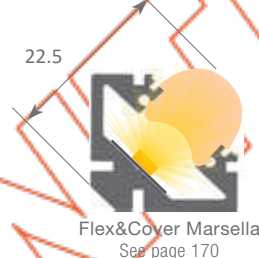
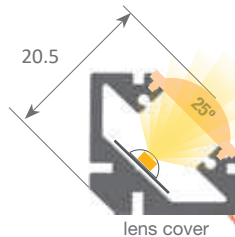
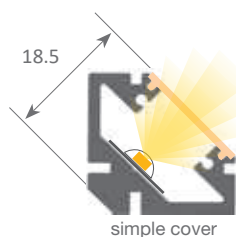
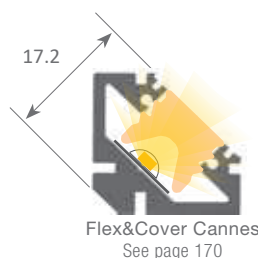
The profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 13mm and a power not greater than 30W/m.

In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal covers and Canovelles-Barcelona-Gomera-Cies ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the cover.**

Scale 1:1

When applying the lens cover on the Sophia profile together with the flexible led strip we get a beam of 25° light.



### Aluminium profile

05.001	anodised silver	2m
05.002	anodised black	2m
05.003	anodised inox	2m
05.004	anodised silver	6m
05.005	anodised black	6m
05.006	anodised inox	6m



### Plastic endcaps

19.065	grey without hole
19.066	grey with hole
19.067	black without hole
19.068	black with hole
19.069	grey without hole lens
19.070	grey with hole lens



### Clip

20.015	chrome steel
20.016	black oxide finish



### Hanging KIT

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units

(clip not included)



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Polycarbonate cover "easy-ON"

18.010	lens	2m
18.011	lens	6m



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2 / Theoretical weight: 0.338kg / Alloy: 6063 / Perimeter: 137mm / Anodising minimum: 15 microns / Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series for angles is manufactured in high purity aluminium and silver anodised. Ideal for wall surfaces, shelving and similar areas where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Its "easy-ON" cover (available in 6 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 15mm and a power not greater than 35W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal covers and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## SOPHIA XL

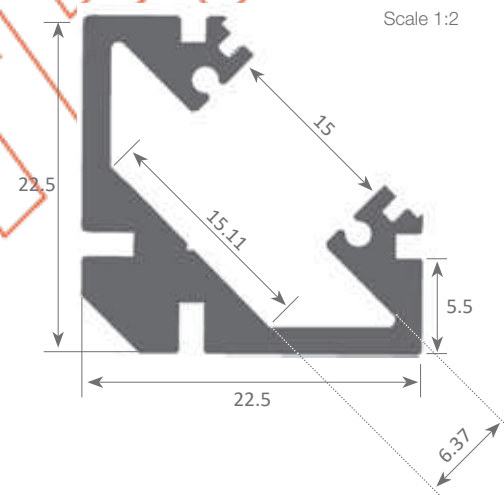
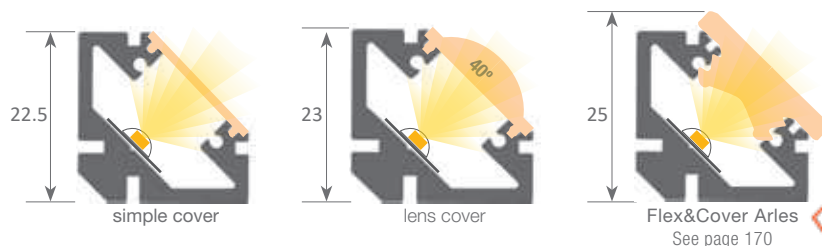


IP65



Scale 1:1

By applying the lens cover on the Sophia XL profile together with the flexible led strip we get a beam of 40° light. The information is just approximate. Please check with our technical department.



### Aluminium profile

05.011	anodised silver	2m
05.012	anodised black	2m
05.013	anodised silver	6m
05.014	anodised black	6m



### Plastic endcaps

19.071	grey without hole
19.072	grey with hole
19.294	black with hole
19.295	black without hole



### Clip

20.012	chrome steel
20.013	black oxide finish



### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



### Black&White cover "easy-ON"

18.028	Black&White	2m
18.029	Black&White	6m



### Polycarbonate cover "easy-ON"

18.030	lens	2m
18.031	lens	6m



### Hanging KIT

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units

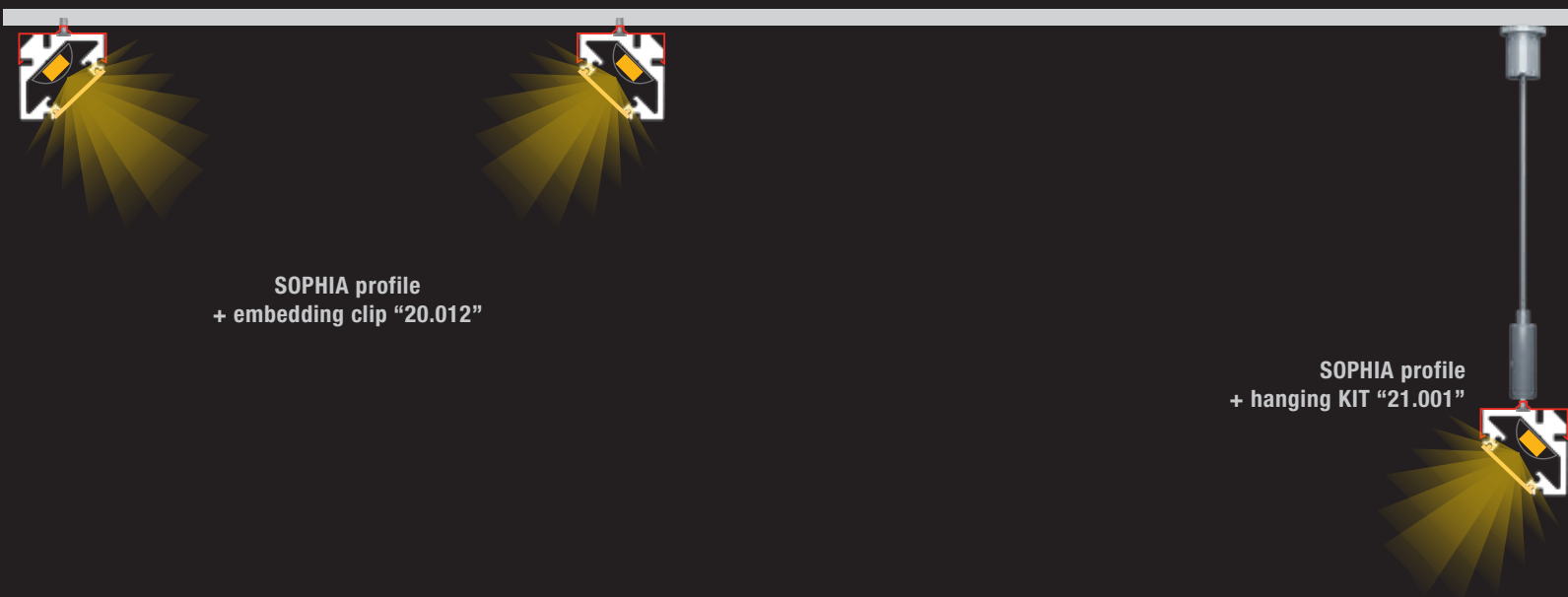
(clip not included)



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.430kg / Alloy: 6063 / Perimeter: 146mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





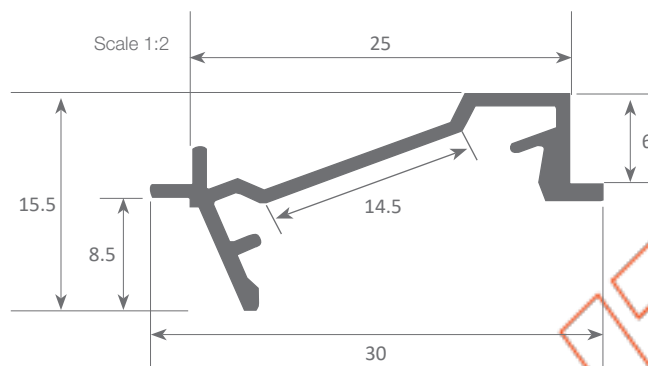
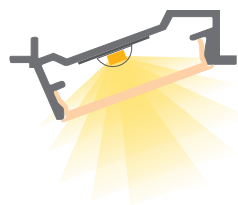
Our BASIC led profile series for angles is manufactured in high purity aluminium and available in anodized silver. Ideal for wall surfaces, furniture, shelving and similar areas where we require an angular and continuous light emission along with an optimum heat dissipation.

Suitable for led strips with a maximum width of 13.9mm and a power not greater than 20W/m.

In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our frosted covers and Vizcaya-Topacio-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



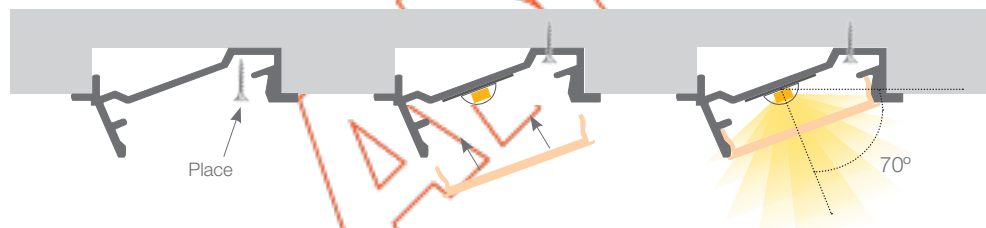
### Aluminium profile

05.023 anodised silver 3m



### Polycarbonate cover

18.044 opal 3m



### Plastic endcaps

19.081 grey without hole  
19.082 grey with hole



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - GB/T19001-2008 / Tolerances defined by:  $\pm 0.2\text{mm}$   
Theoretical weight: 0.138kg/m / Alloy: 6063 / Perimeter: 107.6303mm / Anodising minimum: 8-10 microns  
Aluminium purity: 97-99% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series for angles is manufactured in high purity aluminium and silver anodised. Ideal for wall surfaces, shelving and similar areas where a width greater than the standard is required. This allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Its "easy-ON" cover (available in 6 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

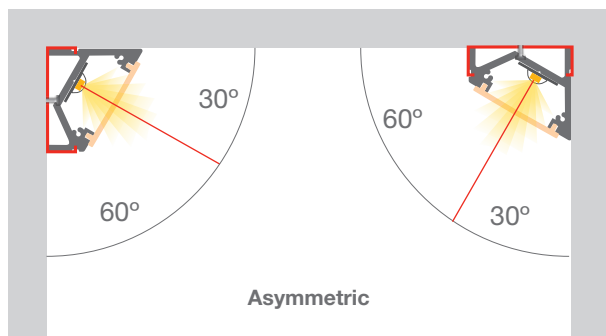
This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 12mm and a power not greater than 35W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal covers and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

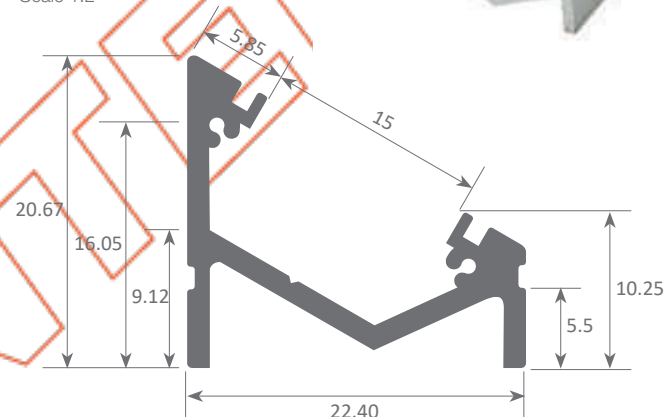
## SOPHIA XL ASYMMETRIC



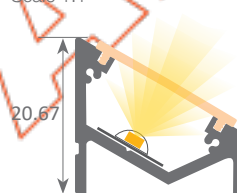
IP65



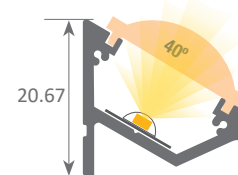
Scale 1:2



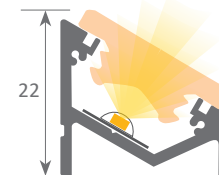
Scale 1:1



simple cover



lens cover



Flex&Cover Arles  
See page 170

### Aluminium profile

05.007	anodised silver	2m
05.008	anodised black	2m
05.009	anodised silver	6m
05.010	anodised black	6m

### Clip

20.012	chrome steel
20.013	black oxide finish

### Plastic endcaps

19.210	grey without hole
19.211	grey with hole
19.315	black without hole
19.316	black with hole

### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m

### Black&White cover "easy-ON"

18.028	Black&White	2m
18.029	Black&White	6m

### Polycarbonate cover "easy-ON"

18.030	lens	2m
18.031	lens	6m



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.251kg / Alloy: 6063 / Perimeter: 122mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



Our BASIC led profile series for angles is manufactured in high purity aluminium and available in anodised silver (on demand, we can supply different anodised and lacquered finishings). Ideal for wall surfaces, furniture, shelving and similar areas where we require an angular and continuous light emission along with an optimum heat dissipation.

Suitable for led strips with a maximum width of 5mm and a power not greater than 15W/m.

In order to obtain a more homogeneous illumination, while also a dot free effect, we recommend the combined use of both our frosted covers and Cies ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

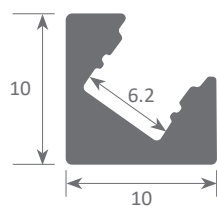
## TEXAS MINI



Scale 1:1



Scale 1:2



**Aluminium profile**

05.024 anodised silver 2m



**Plastic endcaps**

19.219 with hole  
19.220 without hole



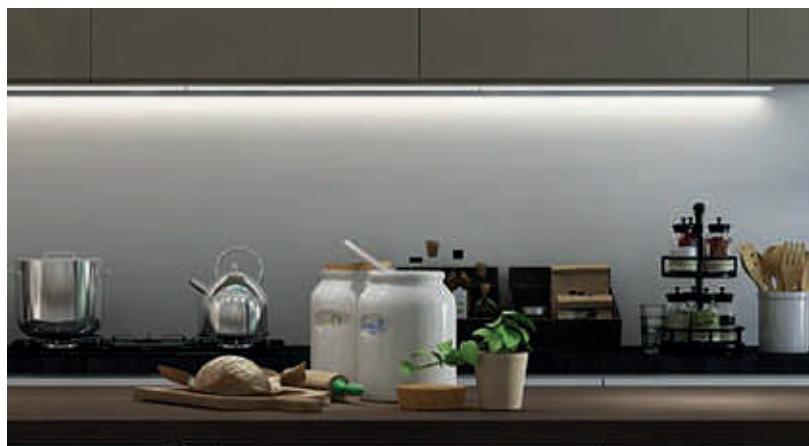
**Polycarbonate cover**

18.086 frosted 2m



**Clip**

20.051 anodised silver



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2

Alloy: 6063 / Anodising minimum: 15 microns

Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Our BASIC led profile series for angles is manufactured in high purity aluminium and available in anodised silver. Ideal for wall surfaces, furniture, shelving and similar areas where we require an angular and continuous light emission along with an optimum heat dissipation.

Suitable for led strips with a maximum width of 10mm and a power not greater than 20W/m.

In order to obtain a more homogeneous illumination, while also a dot free effect, we recommend the combined use of both our frosted covers and Vizcaya-Topacio-Cies ecoled strips.

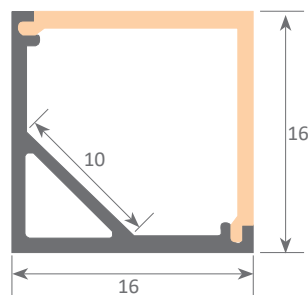
**We offer a 2 year guarantee on our profiles and covers.**



Scale 1:1



Scale 1:2



### Aluminium profile

05.021 anodised silver 3m



### Plastic endcaps

19.077 grey with hole  
19.078 grey without hole



### Polycarbonate cover

18.042 opal 3m



### Clip

20.018 plastic



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - GB/T19001-2008 / Tolerances defined by:  $\pm 0.2\text{mm}$   
Theoretical weight: 0.108kg/m / Alloy: 6063 / Perimeter: 65.7445mm / Anodising minimum: 8-10 microns  
Aluminium purity: 97-99% / Material treatment: T-5 / Covers: Fireproof V0



Our BASIC led profile series for angles is manufactured in high purity aluminium and available in anodised silver aluminium. Ideal for wall surfaces, furniture, shelving and similar areas where we require an angular and continuous light emission along with an optimum heat dissipation. Suitable for led strips with a maximum width of 10mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also a dot - free effect, we recommend the combined use of both our opal covers and Élite ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

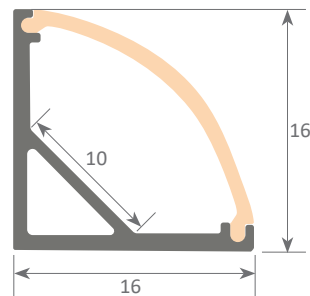
## SPLIT



Scale 1:1



Scale 1:2



**Aluminium profile**

05.021 anodised silver 3m



**Plastic endcaps**

19.079 grey with hole  
19.080 grey without hole



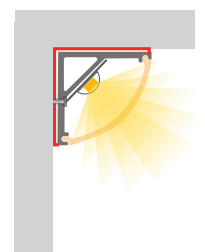
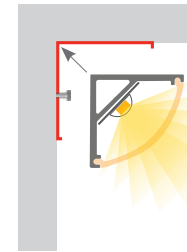
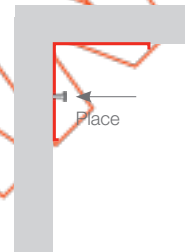
**Polycarbonate cover**

18.043 opal 3m



**Clip**

20.018 plastic



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - GB/T19001-2008 / Tolerances defined by:  $\pm 0.2\text{mm}$   
Theoretical weight: 0.108kg/m / Alloy: 6063 / Perimeter: 65.7445mm / Anodising minimum: 8-10 microns  
Aluminium purity: 97-99% / Material treatment: T-5 / Covers: Fireproof V0



circular led profiles



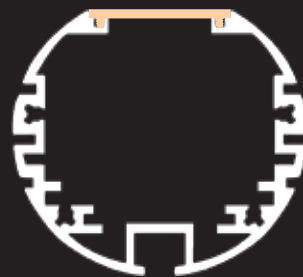
PARIS

94



MIAMI

98



PARIS XL

100



OSLO  
B&W

102

OSLO

103



Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in high purity anodised aluminium and available in 3 different colours. The profile has a wide range of applications, examples of which include ceiling suspended luminaires, luminaires for displaying paintings, wardrobe garment rails, floor or wall mounted luminaires, and others.

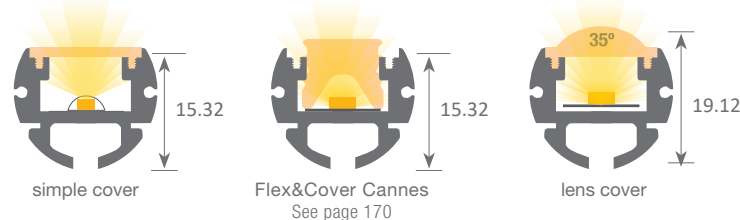
Its "easy-ON" cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges and others.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need joints. It is suitable for led strips with a maximum width of 12mm and a power not greater than 30W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal diffusers and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

Scale 1:1

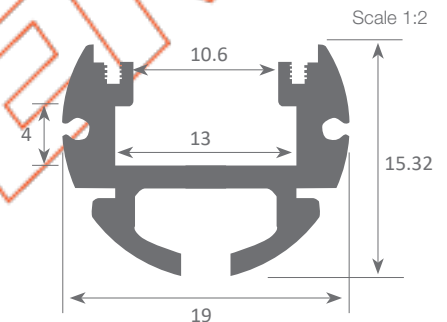
When applying the lens cover on the Paris profile together with the flexible led strip we get a beam of 35° light.



## PARIS



IP65



### Aluminium profile

13.001	anodised silver	2m
13.002	anodised black	2m
13.003	anodised inox	2m
13.004	anodised silver	6m
13.005	anodised black	6m
13.006	anodised inox	6m



### Plastic endcaps

19.083	grey without hole
19.084	grey with hole
19.085	black without hole
19.086	black with hole



### Plastic endcaps

19.087	grey without hole lens
19.088	grey with hole lens
19.089	black without hole lens
19.090	black with hole lens



### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



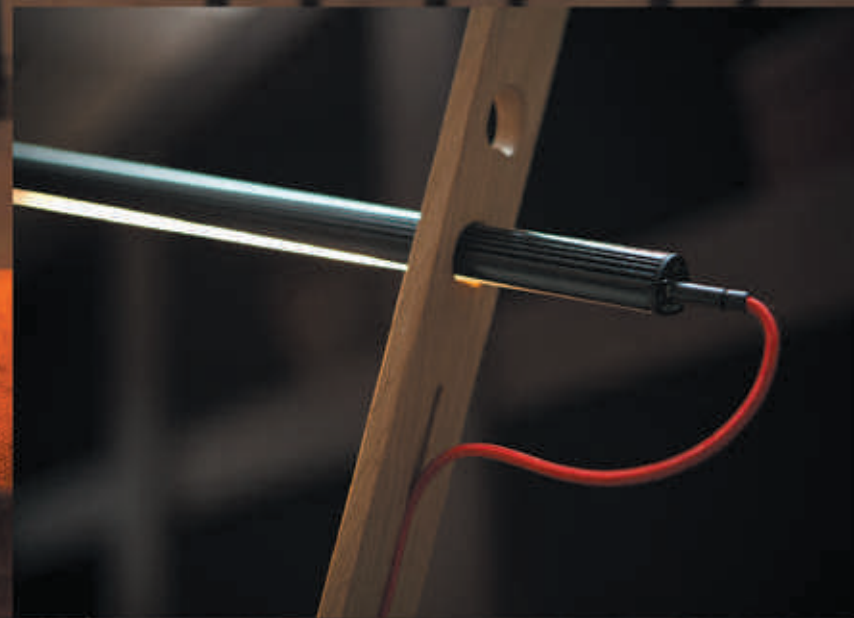
### Polycarbonate cover "easy-ON"

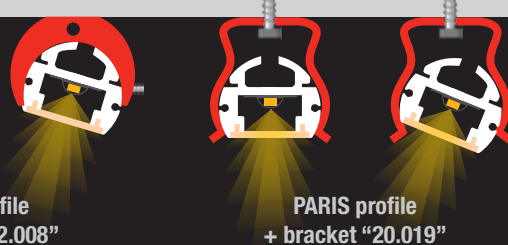
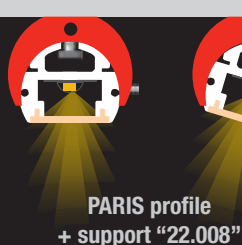
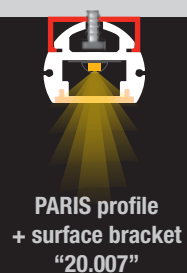
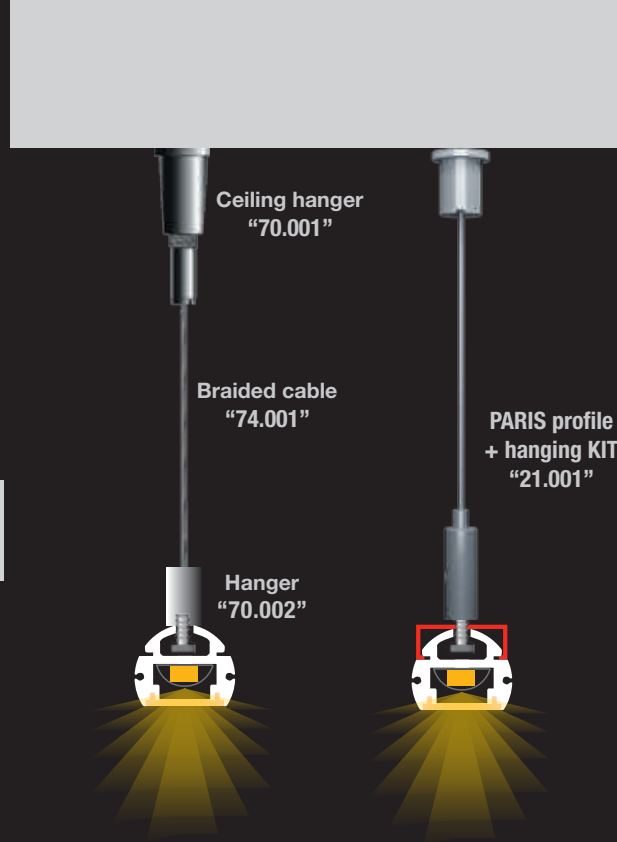
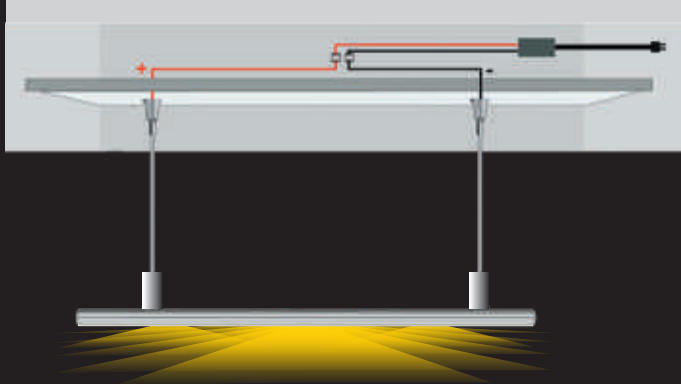
18.010	lens	2m
18.011	lens	6m



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.273kg / Alloy: 6063 / Perimeter: 121mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





**Clip**  
20.007 chrome steel  
20.008 black oxide finish



**Ceiling hanger**  
70.001 silver



**Hanger**  
70.002



**Hanging KIT**  
21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



**Braided cable**  
42.070 steel



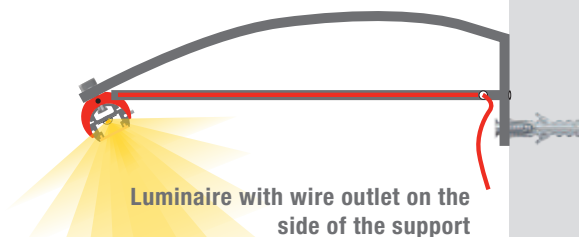
**Supporting arm**  
22.006 silver anodised  
22.007 black anodised  
Measurements: 170x50mm  
\* (clip not included)



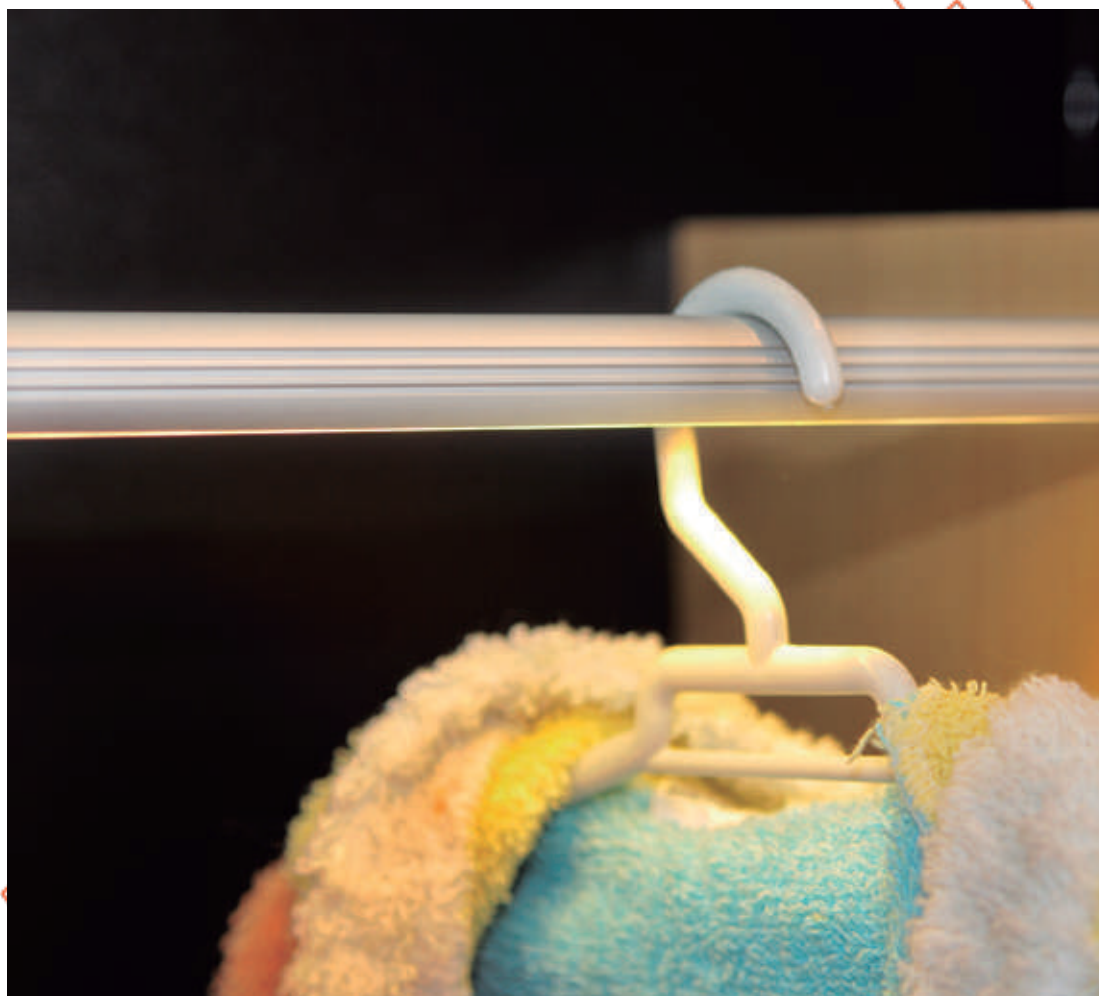
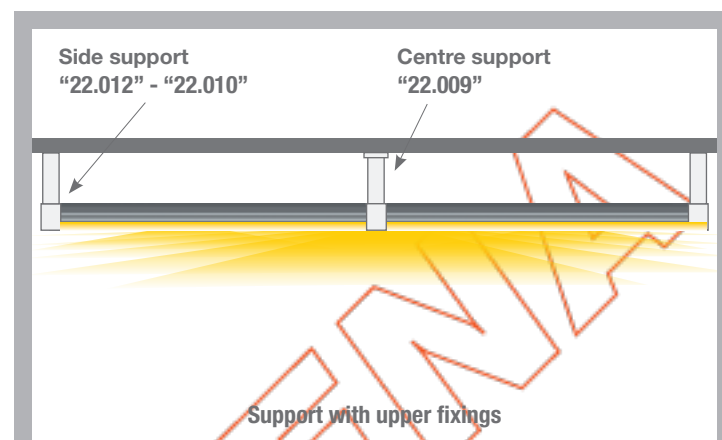
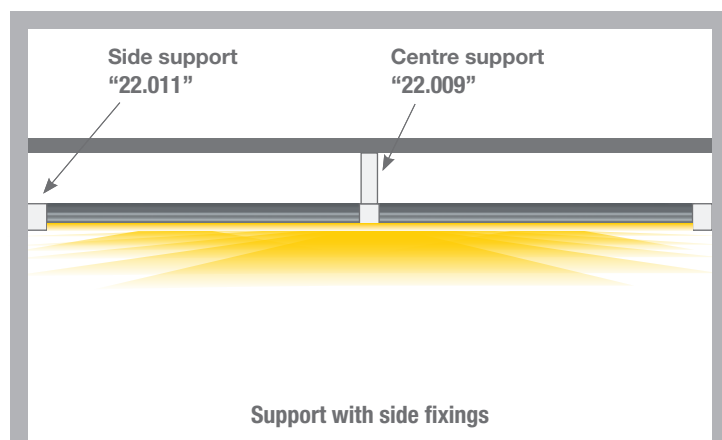
**Centre support**  
22.008 swivel support



**Clip**  
20.019 metal







**Centre support**  
22.009 aluminium



**Side support**  
22.010 aluminium



**Side support**  
22.011 aluminium



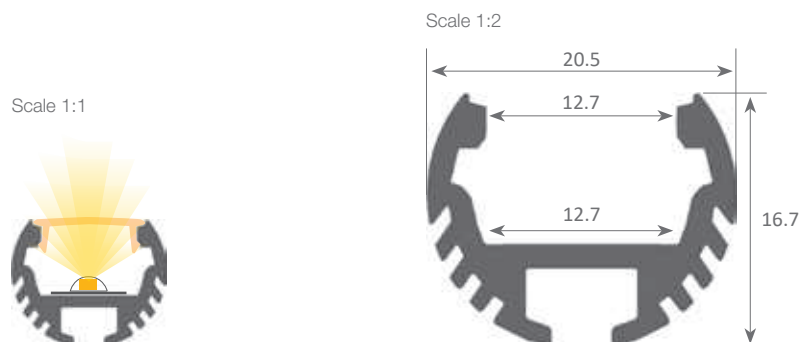
**Side support**  
22.012 aluminium

## MIAMI

Our BASIC led profile series for angles and ceiling suspension is manufactured in high purity aluminium and available in anodised silver, lacquered white and raw aluminium (on demand, we can supply different anodised and lacquered finishings. This profile has a wide range of applications, examples of which include ceiling suspended luminaires, luminaires for displaying paintings, wardrobe garment rails, floor or wall mounted luminaires, and others.

It can be used with led strips with a maximum width of 12.5mm and a power not greater than 30W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend the combined use of both our frosted covers and Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**



### Aluminium profile

13.007	anodised silver	2m
13.008	white lacquered	2m
13.009	raw	2m
13.010	anodised silver	6m
13.011	white lacquered	6m
13.012	raw	6m



### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### Plastic endcaps

19.091	white with hole
19.092	white without hole
19.093	grey with hole
19.094	grey without hole



### Supporting arm

22.006	silver anodised
22.007	black anodised

Measurements: 170x50mm

\* (clip not included)



### Clip

20.005	transparent plastic
--------	---------------------



### clip

20.019	metal
--------	-------

Paris complements can also be used



**MIAMI profile  
+ hanging KIT "21.001"**



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.265kg / Alloy: 6063 / Perimeter: 125mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

Made with Paris XL led Profile  
Cortesy of singular.design





Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in high purity aluminium and available in anodised silver, black and inox. It covers many uses where we require a width greater than the standard, examples of which include ceiling suspended luminaires, luminaires for displaying paintings, and others. Additionally, its optimum width allows us to use wider led strips for an increased heat dissipation and a wider angle of light emission.

Its upper channel allows us to manufacture square, rectangular or L-shaped hanging luminaires.

By combining its "easy-ON" cover (available in 6 different finishings), we provide an IP65 to the luminaire. Therefore, the profile can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

The profile and its covers are available in lengths of 2 and 6 metres, thus enabling us to carry out large projects where all the profiles don't need joints. Suitable for led strips with a maximum width of 20mm. Apart from using our flexible led strips, Canovelles-Barcelona-Gomera-COB we can also use rigid ones.

**We offer a 10 year guarantee on profiles and a 4 year guarantee on covers.**

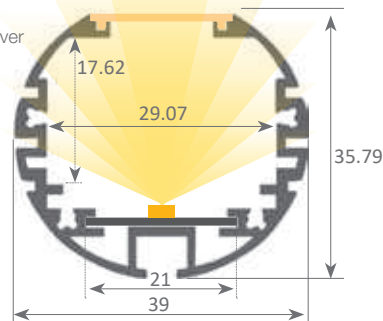
## PARIS XL



IP65

Scale 1:1

simple cover



Flex&Cover Arles  
See page 170



### Perfil de aluminio

13.013	anodised silver	2m
13.014	anodised inox	2m
13.015	anodised black	2m
13.016	anodised silver	6m
13.017	anodised inox	6m
13.018	anodised black	6m



### Aluminium endcaps

19.095	anodised silver
19.096	anodised black



### Clip

20.020	transparent polycarbonate
20.021	metal



### Supporting arm

22.006	silver anodised
22.007	black anodised

Measurements: 170x50mm  
\* (clip not included)



### Polycarbonate cover "easy-ON"

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



### Black&White cover "easy-ON"

18.028	Black&White	2m
18.029	Black&White	6m



### Polycarbonate cover "easy-ON"

18.030	lens	2m
18.031	lens	6m



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.740kg / Alloy: 6063 / Perimeter: 341mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



#### Inner plate

22.013 aluminium 2 m



#### 90° angle bracket

22.003 steel



#### Hanging KIT

21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



#### Profile joint

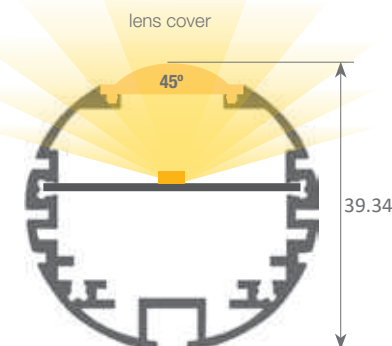
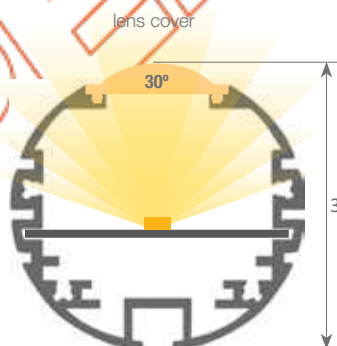
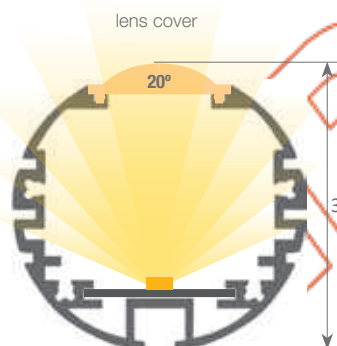
22.005 steel

Scale 1:1



#### 120° angle bracket

22.004 steel



By applying the lens cover on the Paris XL profile together with the flexible led strip we achieve 3 different light angles.  
The information is just approximate. Please check with our technical department



Hanging KIT  
"21.001"

# led profile by Luz Negra

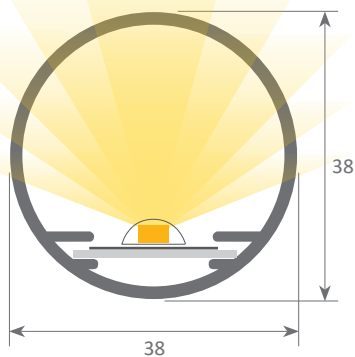
Our PROFESSIONAL led profile series which is manufactured in Black&White, is ideal for surfaces, ceiling suspended luminaires, floor or wall mounted luminaires and similar.

It is suitable for led strips with a maximum width of 15mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also making a non dot effect, we recommend combining it with our Elite series of led strips, COB and also our ecoled digital model Hawaii RGB.

**We offer a 2 year guarantee.**

## OSLO Black&White

Scale 1:1



**Polycarbonate profile**

13.020 black frosted 3m



**Endcaps**

19.104 methacrylate



**Surface endcaps**

19.100 blue plastic  
19.101 white plastic  
19.102 black plastic  
19.103 red plastic



**Inner plate**

22.014 aluminium  
(2000x23x1mm)



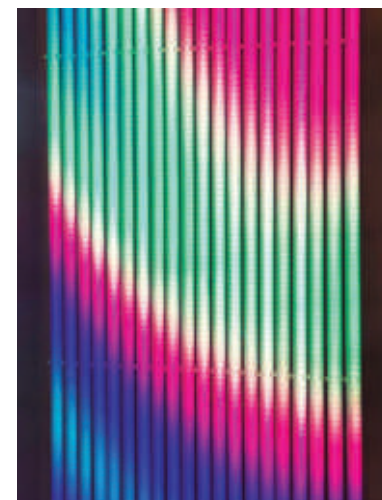
**Hanging KIT**

21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



**Clip**

20.020 transparent polycarbonate  
20.021 metal



Oslo Black&White with digital led strip



Plastic profile extrusion process in accordance with: ISO 9001  
Theoretical weight: 0.275kg/m / Raw material: acrylic PMMA / Perimeter: 119.4mm / Acrylic purity: 99.95%

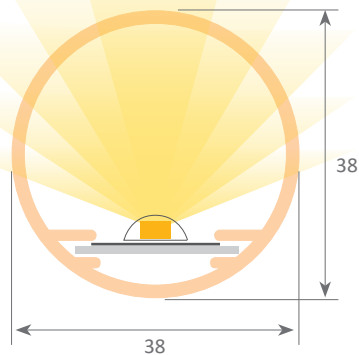


Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in white frosted polycarbonate. The profile is ideal for surface applications, for example ceiling suspended luminaires, floor or wall mounted luminaires, and similar.

It is suitable for led strips with a maximum width of 15mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also making the dots invisible, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee.**

Scale 1:1



### Polycarbonate profile

13.019 white frosted 3m



### Endcaps

19.099 frosted methacrylate



### Surface endcaps

19.100 blue plastic  
19.101 white plastic  
19.102 black plastic  
19.103 red plastic



### Inner plate

22.014 aluminium  
(2000x23x1mm)



### Hanging KIT

21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units  
(clip not included)



### Clip

20.020 transparent polycarbonate  
20.021 metal



Plastic profile extrusion process in accordance with: ISO 9001

Theoretical weight: 0.275kg/m / Raw material: acrylic PMMA / Perimeter: 119.4mm / Acrylic purity: 99.95%



led profiles for stairs and skirting boards



AZORES

106



DUBLIN

107



DUBLIN XL

108



EDIMBURGO

110



LONDRES

111



FLORENCIA

112



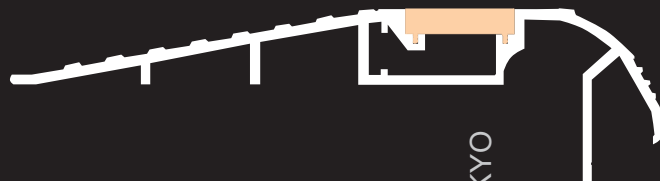
NIZA ECO

114



NIZA DUO

115



TOKYO

116



ESTAMBUL

118



DUBAI

119



QATAR

120

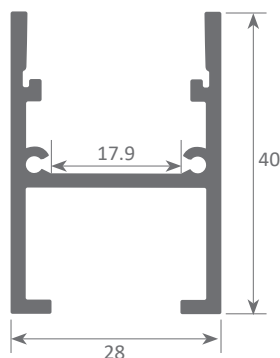
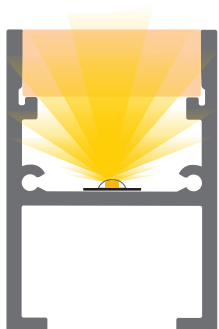


Our PROFESSIONAL led profile series, treadable for indoor and outdoor use, is manufactured in high purity aluminium and available in anodised silver. Suitable for illuminating stairs and floors, such as gardens, bathrooms, corridors, balconies, and others.

This profile and its covers are available in lengths of 2 metres, allowing us to carry out large projects where all the profiles do not need joints. Suitable for led strips with a maximum width of 17mm and a power not greater than 40W/m. In order to avoid system malfunctions and potential failures, we recommend combining this profile with our Canovelles-Vizcaya ecoled strips or similar products with our DUO waterproof system. When installed under conditions of high humidity, we suggest filling it with Epoxy resin in order to achieve an IP67 rating (a 2mm thick layer on top of the led strip).

**We offer a 2 year guarantee.**

Scale 1:1



### Aluminium profile

07.010 anodised silver 2m



### Endcaps

19.223 with hole  
19.224 without hole



### Polycarbonate cover

18.084 opal 2m



### Epoxy Resin

22.018 1 Kg  
+ 1 catalyst of 400g



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series, treadable and for indoor use is manufactured in high purity aluminium and available in anodised silver. Suitable for a wide range of floor lighting, such as stairs, bathrooms, theatres and similar.

By combining its "easy-ON" cover with this profile, we provide an IP65 protection to the luminaire. Therefore, the profile can be used in places with high levels of humidity, while also being highly endurable to treading.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need joints. Suitable for led strips with a maximum width of 11mm and a power not greater than 20W/m. In order to avoid system malfunctions and potential failures, we recommend combining this profile with our Canovelles-Vizcaya ecoled strips or similar products with our DUO waterproof system.

When installed under conditions of high humidity, we highly suggest filling it with the resin in order to achieve an IP68 rating.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## DUBLIN



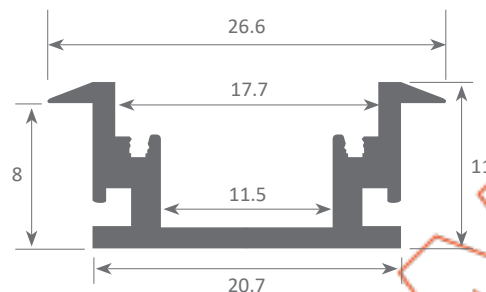
IP65



Scale 1:1



Scale 1:2



*In order to be able to waterproof approx 12 metres of DUBLIN led profile we would need these quantities of both resin and catalyst.*



### Aluminium profile

- |        |                 |    |
|--------|-----------------|----|
| 07.001 | anodised silver | 2m |
| 07.002 | anodised silver | 6m |



### Endcaps

- |        |           |
|--------|-----------|
| 19.116 | aluminium |
|--------|-----------|



### Polycarbonate cover IK10

- |        |         |    |
|--------|---------|----|
| 18.012 | frosted | 2m |
| 18.013 | frosted | 6m |



### Epoxy Resin

- |        |                      |
|--------|----------------------|
| 22.018 | 1 Kg                 |
|        | + 1 catalyst of 400g |



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.233 kg / Alloy: 6063 / Perimeter: 111 mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series, treadable for indoor and outdoor use, is manufactured in high purity aluminium and available in anodised silver. Suitable for illuminating stairs and floors, such as gardens, bathrooms, corridors, balconies, and others.

Its "easy-ON" cover, when combined with this profile, provides an IP65 rating. Therefore, it can be used in places with high levels of humidity, while also being highly resistant to treading.

This profile and its covers are available in lengths of 3 metres, allowing us to carry out large projects where all the profiles do not need joints. Suitable for led strips with a maximum width of 12mm and a power not greater than 30W/m. In order to avoid system malfunctions and potential failures, we recommend combining this profile with our Canovelles-Vizcaya ecoled strips or similar products with our DUO waterproof system. When installed under conditions of high humidity, we suggest filling it with epoxy resin in order to achieve an IP67 rating (a 2mm thick layer on top of the led strip).

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## DUBLIN XL

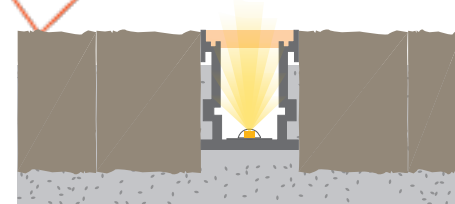
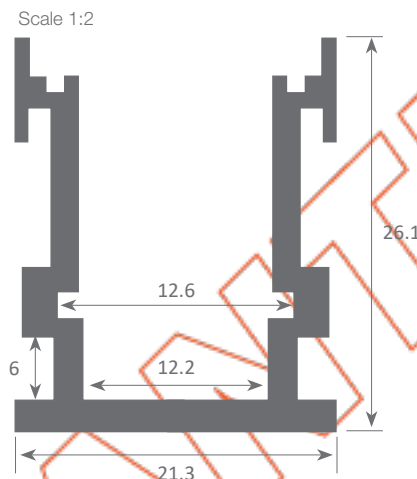
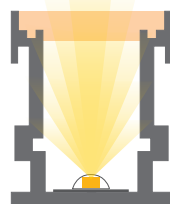
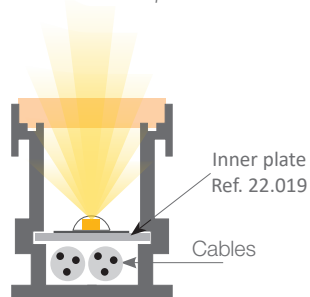


IP65



Scale 1:1

*In order to be able to waterproof approx 8-10 metres of DUBLIN XL led profile we would need these quantities of both resin and catalyst.*



### Aluminium profile

07.003 anodised silver 3m



### Plastic endcaps

19.117 with hole  
19.118 without hole



### Polycarbonate cover IK10

18.053 opal 3m



### Inner plate

22.019 aluminium 2m  
(2000x14x0.75 mm)



### Epoxy resin

22.018 1 Kg  
+ 1 catalyst of 400g



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.480 kg / Alloy: 6063 / Perimeter: 176,4 mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





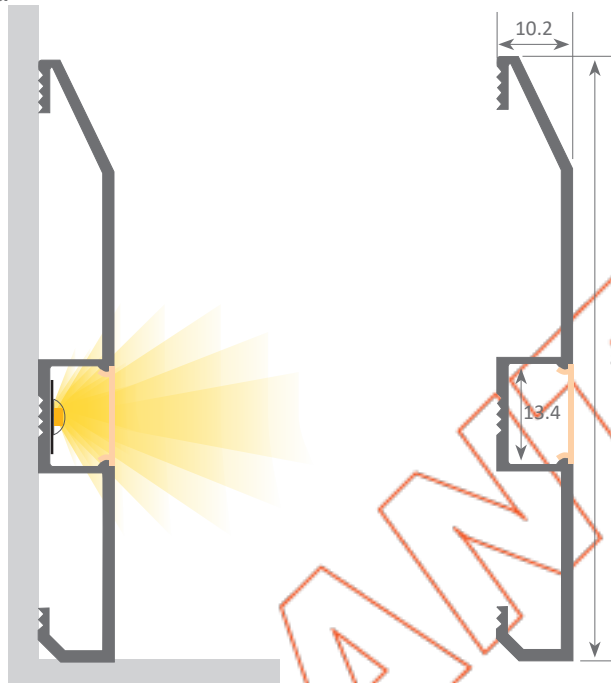
Our PROFESSIONAL led profile series is for skirting boards, lighting up aisles or corridors and white lacquered aluminium. This profile and its cover are both available in lengths of 2m and can house led strips with a maximum PCB of 13mm width and a power not greater than 20W/m.

We recommend combining it with COB our Granada ecoled strip to obtain a more homogeneous illumination.

It is fixed to the wall with conventional silicone.

**We offer a 2 year guarantee on profiles and covers.**

Scale 1:1



### Aluminium profile

06.008 white lacquered 2m  
(matt)



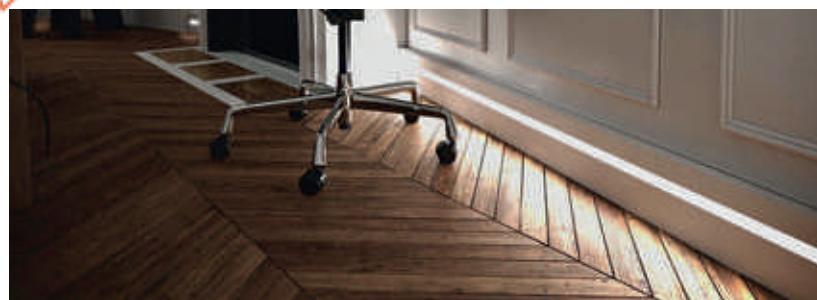
### Polycarbonate cover

18.052 opal 2m



### Plastic endcaps

19.114 white without hole set of 2 units



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Our PROFESSIONAL led profile series is for skirting boards, lighting up aisles or corridors and white lacquered aluminium. This profile and its cover are both available in lengths of 2m and can house led strips with a maximum PCB of 13mm width.

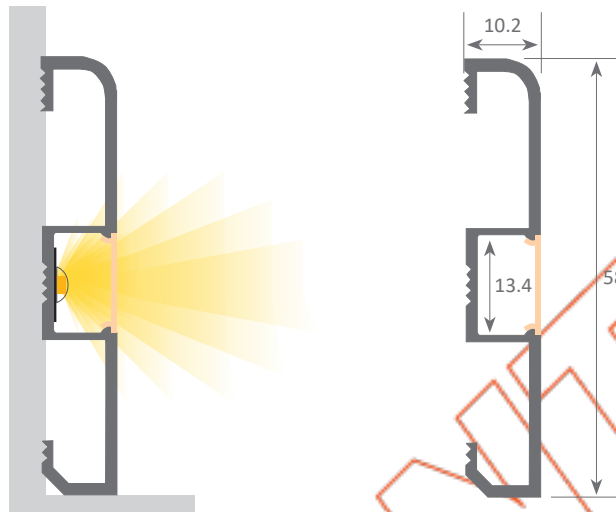
We recommend combining it with COB our Canovelles ecoled strip to obtain a more homogeneous illumination.

It is fixed to the wall with conventional silicone.

**We offer a 2 year guarantee on profiles and covers.**

## LONDRES

Scale 1:1



### Aluminium profile

06.009 white lacquered 2m  
(matt)



### Polycarbonate cover

18.052 opal 2m



### Plastic endcaps

19.115 white without hole set of 2 units



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Our PROFESSIONAL led profile series, treadable and for indoor use, is manufactured in high purity aluminium and available in anodised silver. Suitable for illuminating floors and stairs, bathrooms, corridors, theatres, or similar.

Its "easy-ON" cover, when combined with this profile, provides an IP65 rating. Therefore, the profile can be used in places with high levels of humidity, while also being highly durable to treading. Its double side channels allow us to house all types of cabling (circuit closure wires for avoiding tension drops, telephone cables, etc).

Combined with our rigid led strips, it can be used as an ultra thin surface luminaire for ceilings.

This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need joints. Suitable for led strips with a maximum width of 21mm and a power not greater than 40W/m. In order to avoid system malfunctions and potential failures, We recommend combining it with Canovelles our Vizcaya ecoled strip or similar products with our DUO waterproof system.

When installed under conditions of high humidity, we strongly recommend filling the profile with the resin in order to achieve an IP68.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

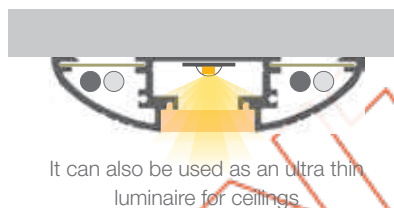
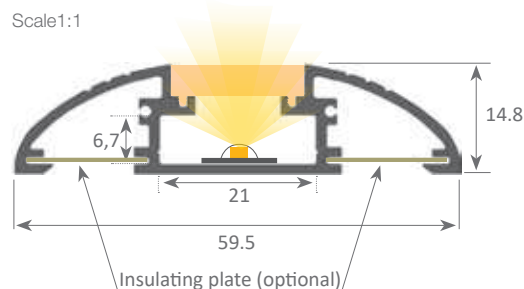
## FLORENCIA



IP65



Scale 1:1



### Aluminium profile

07.004	anodised silver	2m
07.005	anodised silver	6m



### Endcaps

19.119	silver aluminium without hole
19.120	grey plastic without hole
19.121	grey plastic with hole



### Epoxy resin

22.018	1 Kg
	+ 1 catalyst of 400g



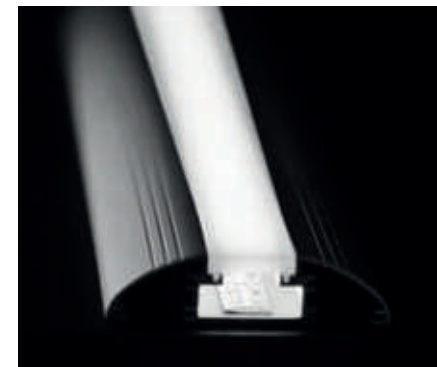
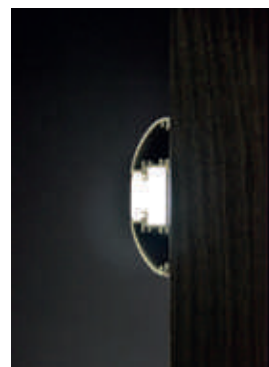
### Polycarbonate cover IK10

18.012	frosted	2m
18.013	frosted	6m



### Inferior insulating plate

22.020	aluminium	2m
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



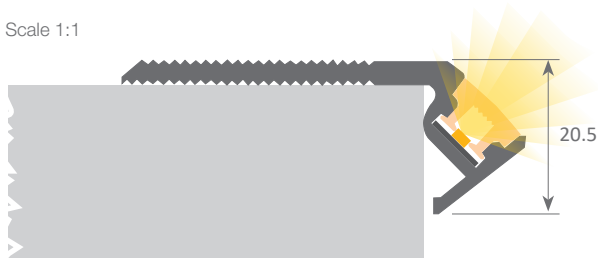


Our BASIC led profile series, suitable for stair lighting is manufactured in high purity aluminium and available in anodised silver (on demand, we can supply anodised black or other coloured finishings). Its rubber cover, combined with this profile, provides an IP20 rating while at the same time offering a more homogeneous illumination. Although this is an option with reduced dimensions, it is at the same time an economical solution. We recommend using it with our Cies ecoled strips.

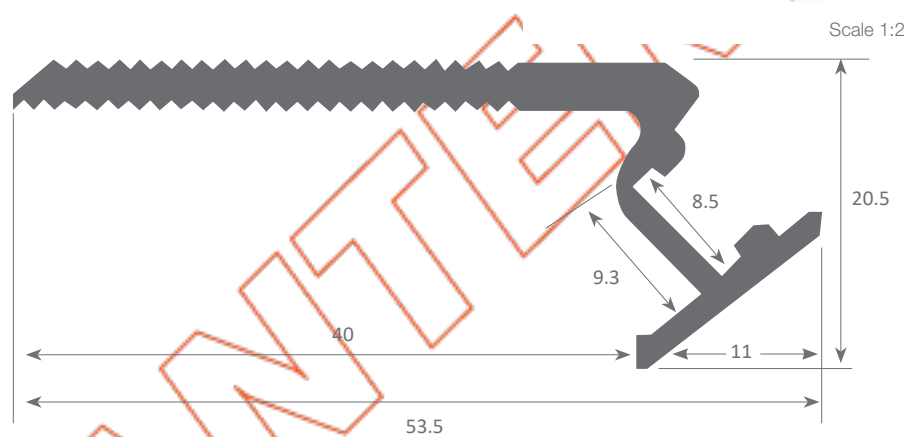
**We offer a 2 year guarantee on our profiles and covers.**

## NIZA ECO

Scale 1:1



Scale 1:2



### Aluminium profile

06.001 anodised silver 2.40m



### Plastic endcaps

19.109 grey set of 2 units



### Cover

18.045 opal 2.40m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



# led profile by Luz Negra

Our BASIC led profile series, suitable for stair lighting is manufactured in high purity aluminium and available in black anodised (on demand can be supplied with silver anodised or other coloured finishings).

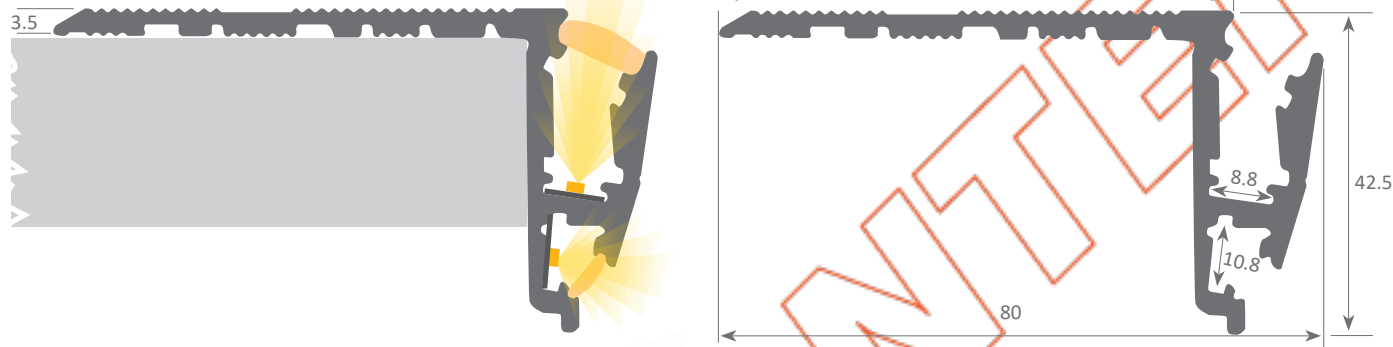
Its rubber cover, when combined with this profile, provides an IP20 while also offering a more homogeneous illumination. Also, its design allows us to achieve upward as well as downward light emissions, which is also interesting for lighting up the lower part of the step.

This profile and its cover are available in lengths of 2.40 metres. We recommend using it with our Cies ecoled strips (with PCB not wider than 8mm and IP20).

**We offer a 2 year guarantee on our profiles and covers.**

## NIZA DUO

Scale 1:1



**Aluminium profile**

06.002 anodised black 2.40m



**Upper cover**

18.046 white 2.40m



**Endcaps**

19.110 black aluminium set of 2 units 2.40m



**Indicator with drawings**

22.016



**Lower cover**

18.047 white 2.40m



**(on request)**

18.048	red	2.40m
18.049	blue	2.40m
18.050	yellow	2.40m
18.051	pink	2.40m



**Indicator with numbers**

22.015



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof VØ

Our PROFESSIONAL led profile series, treadable and for indoor use is manufactured in high purity aluminium and available in anodised silver and black.

Its "easy-ON" cover, when combined with this profile, provides an IP65 rating. Therefore, the profile can be used in places with high levels of humidity, while also being highly durable to treading. Front lighting is achieved by placing a led strip with a maximum width of 14mm under the cover. Additionally, by means of a metal plate, we can obtain side lighting, thus ensuring a perfect dot free light emission. The step's lower area can also be illuminated by using a second led strip.

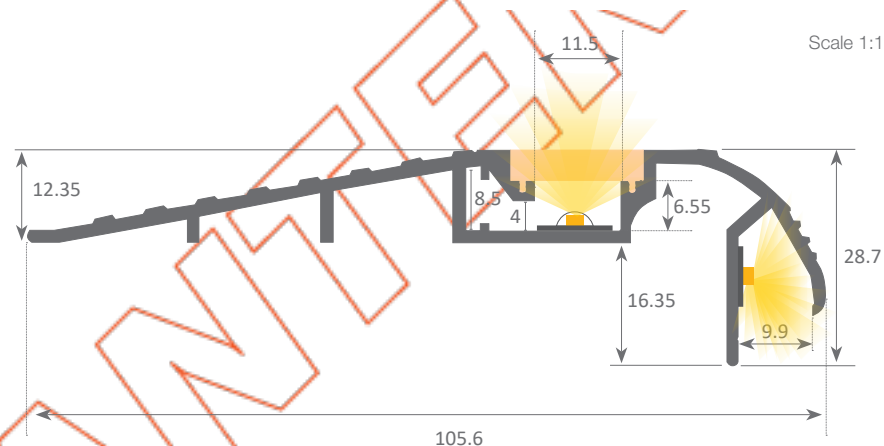
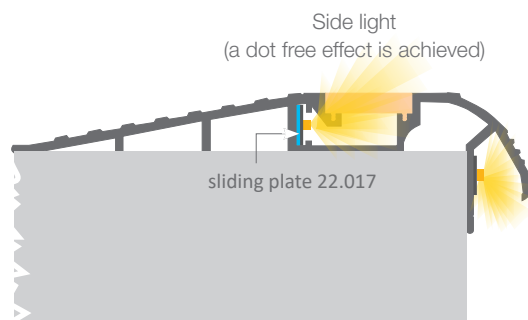
This profile and its cover are both available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need joints. In order to avoid system malfunctions and potential failures, we recommend combining the profile with our Canovelles-Vizcaya led strips or similar products with our DUO waterproof system. For side lighting, we use a metal plate and we recommend the use of our Granada-Cies-Alicante or Avila ecoled strips with this profile.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## TOKYO



IP65



### Aluminium profile

06.003	anodised silver	2m
06.004	anodised black	2m
06.005	anodised silver	6m
06.006	anodised black	6m

### Plastic endcaps

19.111	grey	set of 2 units
19.112	black	set of 2 units

### Polycarbonate cover IK10

18.012	frosted	2m
18.013	frosted	6m


### Inner plate

22.017	aluminium	2m
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.813 kg / Alloy: 6063 / Perimeter: 384 mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

A man with a mustache, wearing a grey sweater and dark trousers, sits on a wide staircase. The staircase has alternating red and white steps, creating a strong visual rhythm. The walls on either side are covered in a complex, geometric pattern of small, dark squares. The lighting is dramatic, with the steps glowing and the walls in shadow.

Project carried out by the  
architect Juan Carlos Roure  
with the collaboration of  
Lumen's Boulevard.



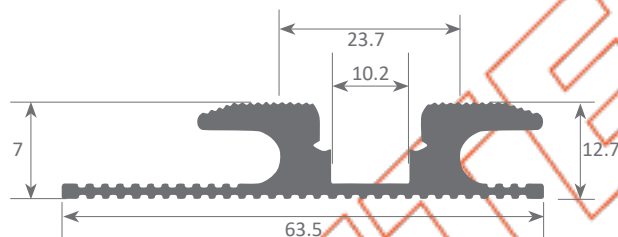
Our PROFESSIONAL led profile series, treadable and for indoor use, is intended for achieving illuminated joints on carpets, parquet floor or similar. It is manufactured in high purity aluminium and available in anodised black.

This profile and its covers are available in lengths of 3 metres and allow you to house led strips with a maximum PCB width of 10mm.

We recommend combining this profile with ecoled Canovelles to obtain a dot free effect.

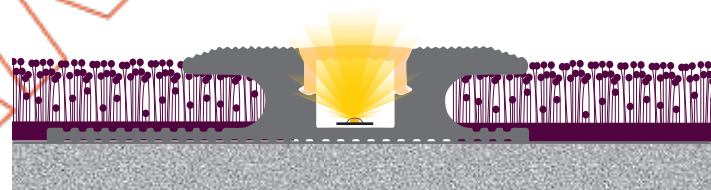
**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



**Aluminium profile**

07.008 anodised black 3m



Estambul profile used on carpet



**Polycarbonate cover**

18.055 frosted 3m



**Endcaps**

19.124 anodised black



Estambul profile used on parquet



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 2,2 kg / Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series, manufactured in black anodised is intended for achieving illuminated joints on carpets, parquet floor or similar. Suitable for illuminating parquet floors, stairs, carpets or others.

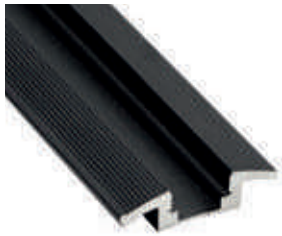
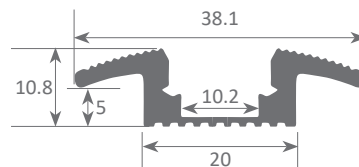
This profile and its covers are available in lengths of 3 metres and allow to house led strips with a maximum PCB width of 10mm.

We recommend combining this profile with ecoled Canovelles to obtain a dot free effect.

**We offer a 2 year guarantee on our profiles and covers.**

## DUBAI

Scale 1:1

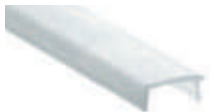


**Aluminium profile**

07.009 anodised black 3m



Dubái profile used on carpet



**Polycarbonate cover**

18.055 frosted 3m



**Endcaps**

19.125 anodised black



Dubái profile used on parquet



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1,025 kg / Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series, treadable and for indoor use, is manufactured in high purity aluminium and available in anodised black. It is intended for lateral side lighting, and suitable for illuminating floors and stairs, or others.

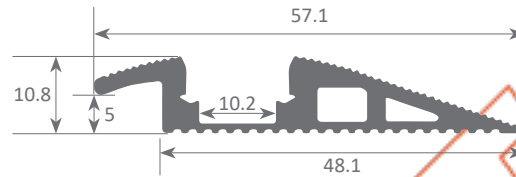
This profile and its covers are available in lengths of 3 metres and allow you to house led strips with a maximum PCB width of 10mm.

We recommend combining this profile with ecoled Canovelles to obtain a dot free effect.

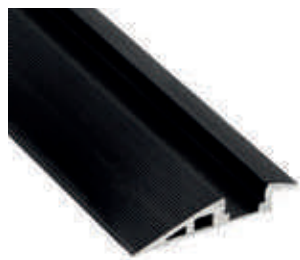
**We offer a 2 year guarantee on our profiles and covers.**

## QATAR

Scale 1:1

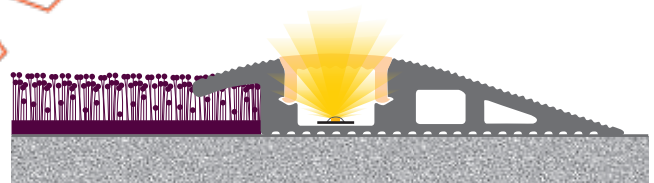


Scale 1:2



### Aluminium profile

07.007 anodised black 3m



Qatar profile used on carpet



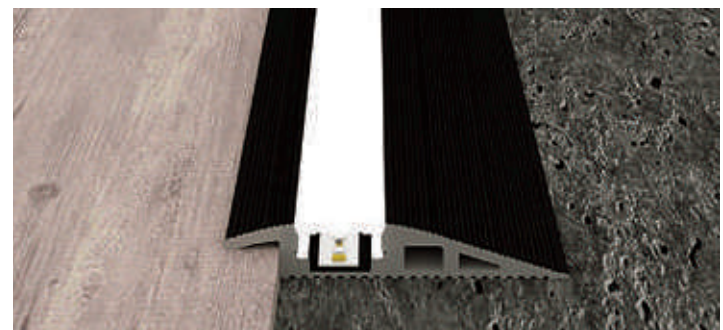
### Polycarbonate cover

18.055 frosted 3m



### Endcaps

19.123 anodised black



Qatar profile used on parquet



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1,5 kg / Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



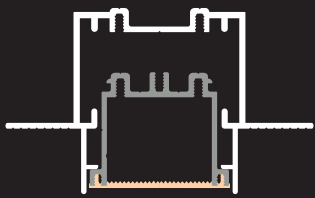
nk PORCELANOSA Grupo

nk brassware

# architectural led profiles







MADEIRA

124



PRAGA

126



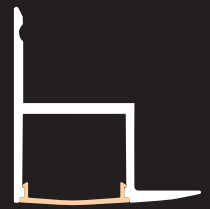
BELFAST

127



BUDAPEST

128



KANSAS

129



MONTANA

130



ALASKA

131



PORTLAND

132



BALTIMORE

133



Our PROFESSIONAL led profile series is manufactured in high purity aluminium and is available in raw aluminium. It is ideal for illuminating ceilings and wall surfaces, where the profile is perfectly integrated. These optimum adherence properties are achievable thanks to Madeira's two side trims, which end up entirely covered under the plaster wall's surface once the mounting has been finished. We recommend the use of a metal mesh on our Madeira, in order to strengthen the mounted joints and also to avoid cracks in the future.

It is suitable for led strips with a maximum width of 20mm and a power not greater than 30W/m. In order to obtain a more homogeneous illumination while also improving the dot free effect, we recommend the use of our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 10 year guarantee on our profiles and covers.**

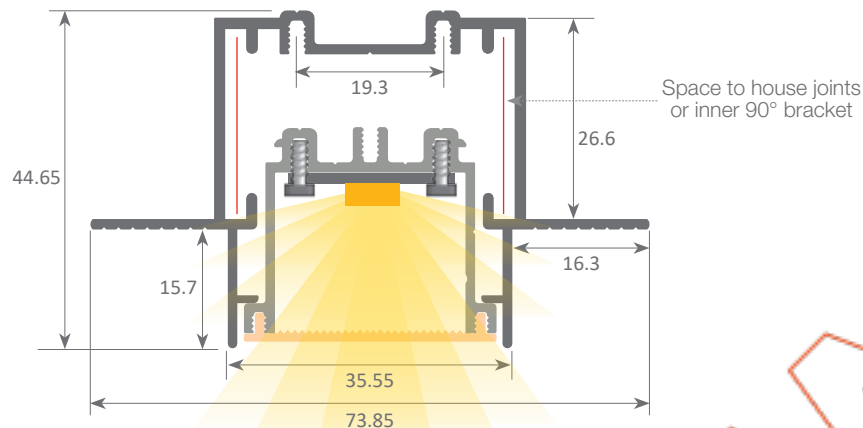
## MADEIRA



IP65



Scale 1:1



**Aluminium profile**

08.009 raw

6m



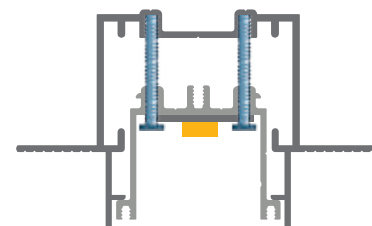
**Aluminium tray**

15.007 lacquered white 6 m



**Aluminium endcaps**

19.213 raw



Fixing screws between Madeira tray and profile (Ref: 22.099)



**"easy-ON" cover**

18.070 "easy-ON" frosted 6m  
18.071 transparent microprism 6m  
18.072 frosted microprism 6m  
18.073 Black&White 6m



**90° angle bracket**

22.035 aluminium set of 2 units



**Flat bracket**

22.058 aluminium set of 2 units

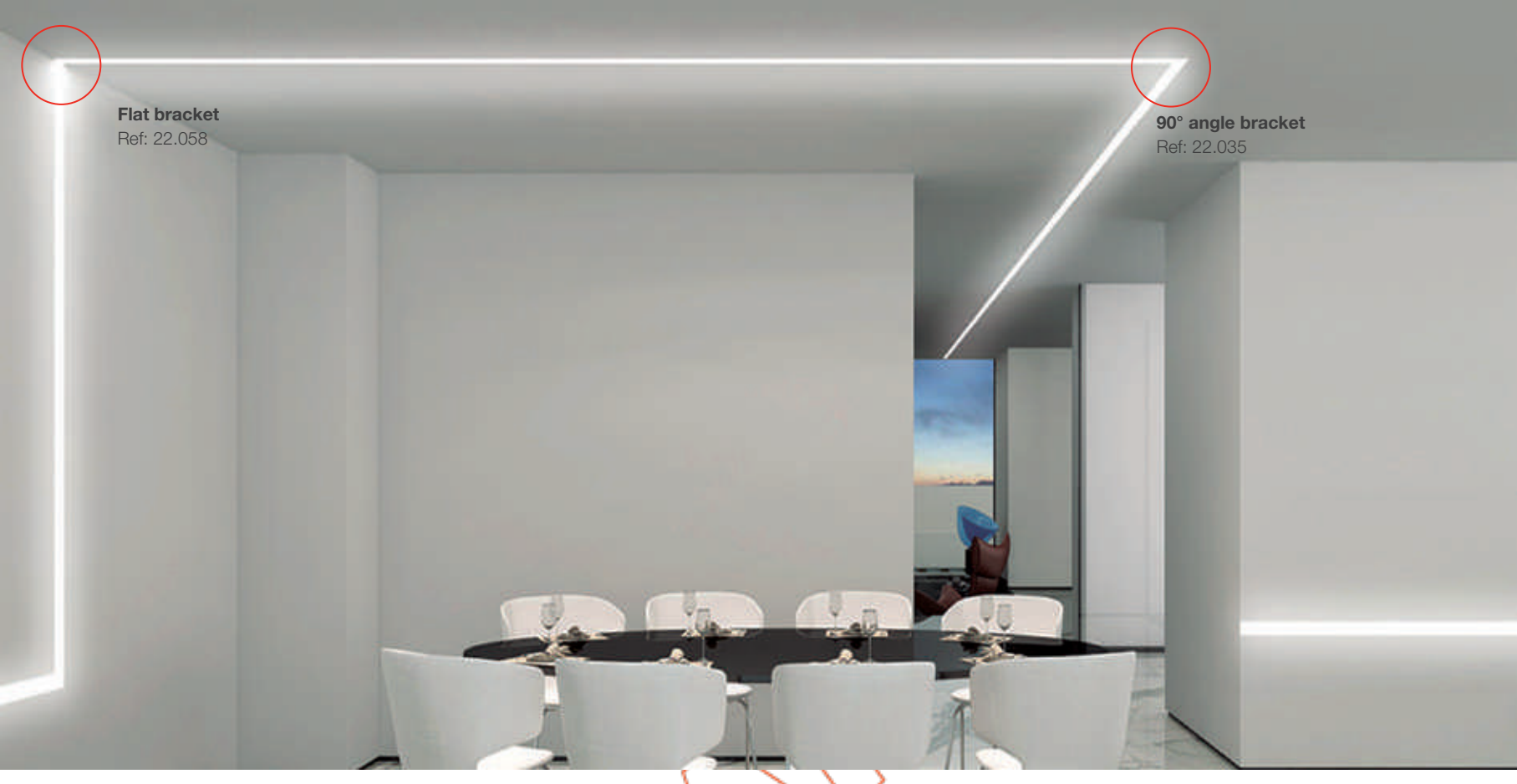


**Safety cable**

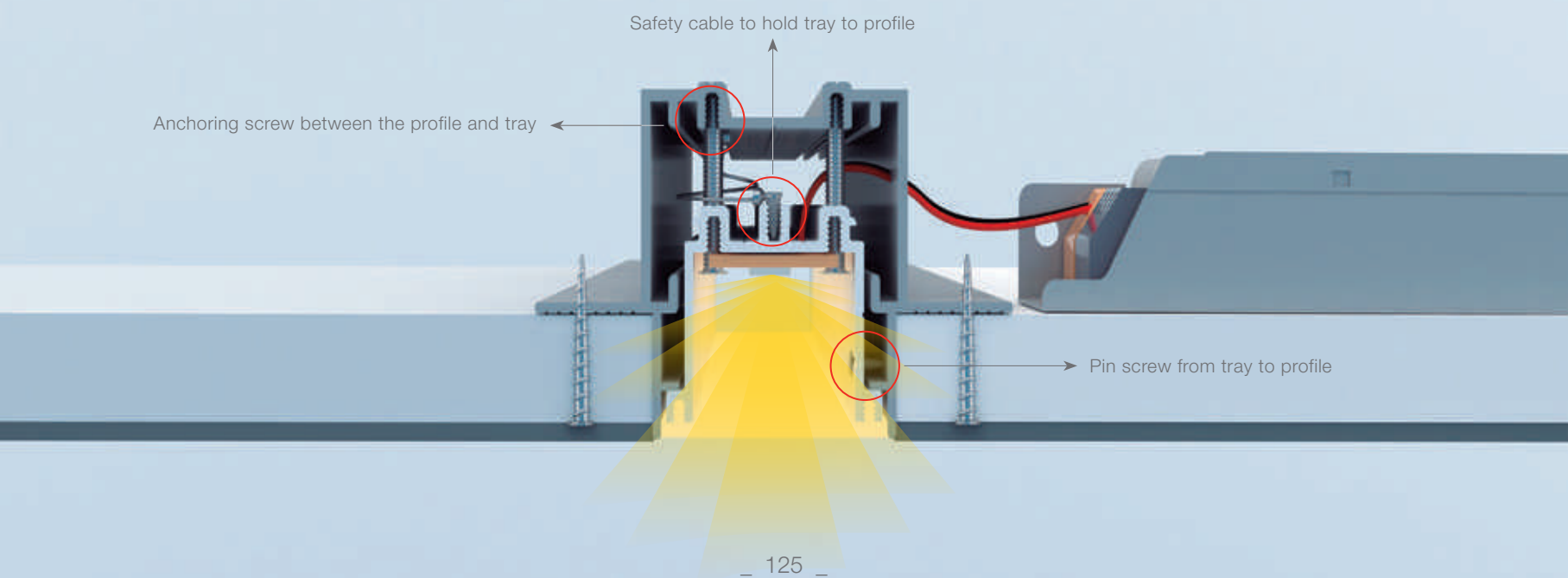
22.039 steel 18cm



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.756kg / Alloy: 6063 / Perimeter: 409mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



## Front removable tray system with triple fall protection (safety anchorage)



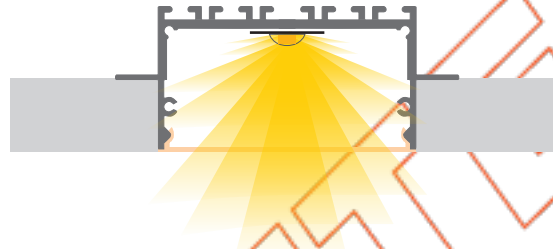
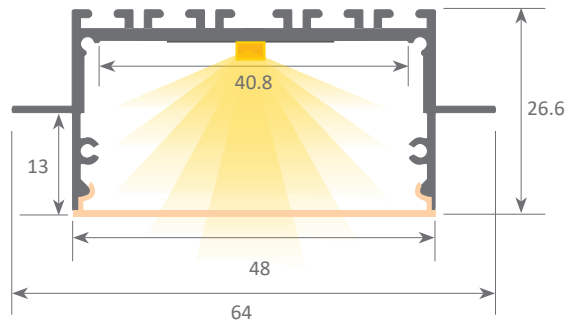
Our PROFESSIONAL led profile series for recessing is manufactured in high purity white lacquered aluminium.

The cover is available in opal white. This profile allows us to house a rigid led strip, achieving high luminosity (specially suitable for supermarkets, shopping centres, etc.).

This profile and its covers are available in 2m lengths.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



**Aluminium profile**

08.007 white lacquered 2m



**Aluminium endcaps**

19.136 without hole



**Polycarbonate cover**

18.059 opal 2m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Our PROFESSIONAL led profile series for recessing is manufactured in high purity white lacquered aluminium.

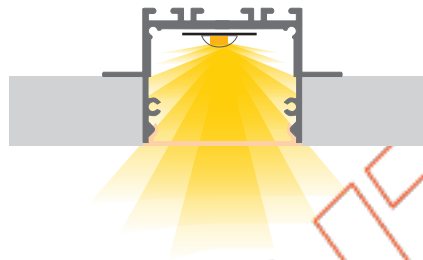
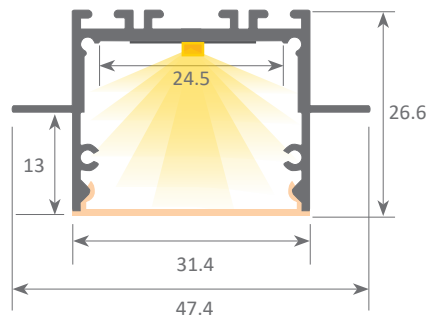
The cover is available in opal white. This profile allows us to house a rigid led strip, achieving high luminosity (specially suitable for supermarkets, shopping centres, etc).

This profile and its covers are available in 2m lengths.

**We offer a 2 year guarantee on our profiles and covers.**

## BELFAST

Scale 1:1



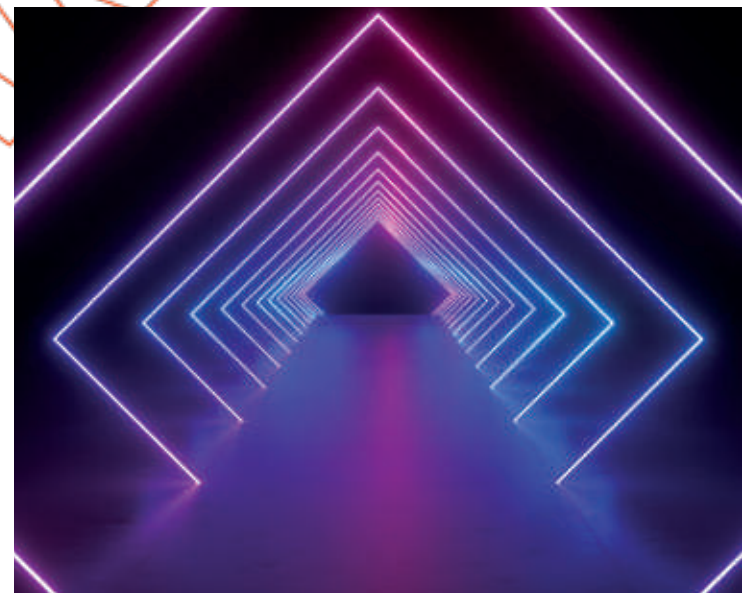
**Aluminium profile**  
08.006 white lacquered 2m



**Aluminium endcaps**  
19.135 without hole



**Polycarbonate cover**  
18.058 opal 2m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

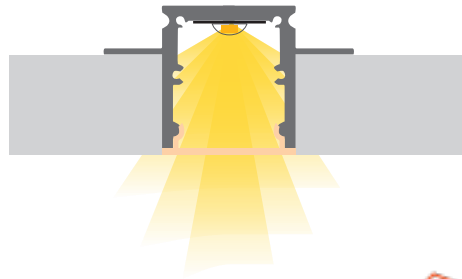
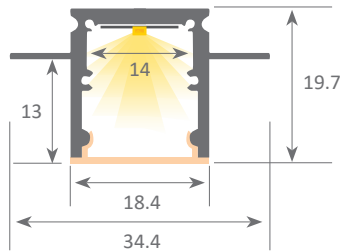
Our PROFESSIONAL led profile series for recessing is manufactured in high purity white lacquered aluminium.

The cover is available in opal white finishing. This profile allows us to use a flexible led strip with a power not greater than 20W/m. We recommend using 20mm rigid led strips or ecoled Elite.

Both profile and covers are available in 2m lengths.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



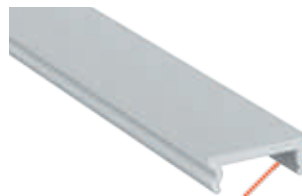
**Aluminium profile**

08.005 white lacquered 2m



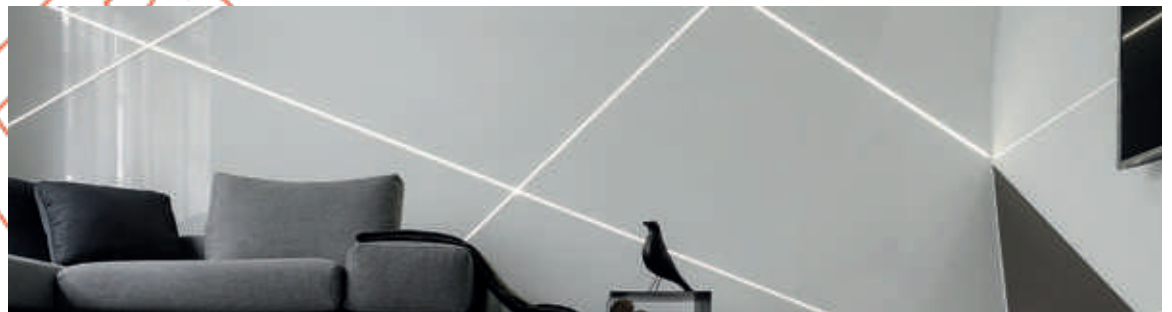
**Aluminium endcaps**

19.134 white without hole



**Polycarbonate cover**

18.057 opal 2m

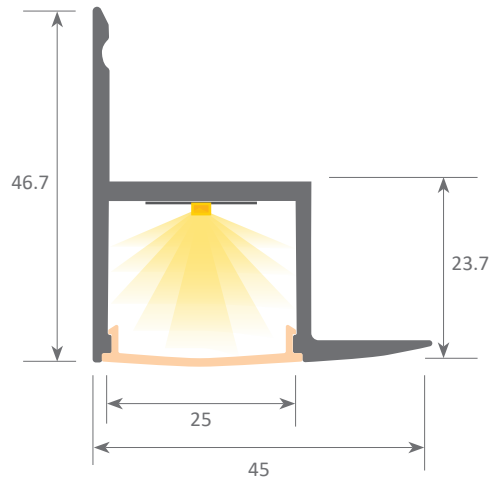


Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

Our BASIC led profile series for ceilings and walls is manufactured in high purity aluminium, available in silver anodised. This profile is designed to be used in ceilings or walls, offering an easy, elegant and perimetral lighting. This is perfect for concealing the edges in false ceilings. It is suitable for led strips with a maximum width of 20mm and a power not greater than 40W/m. We recommend using 20mm rigid led strips or ecoled Eite.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



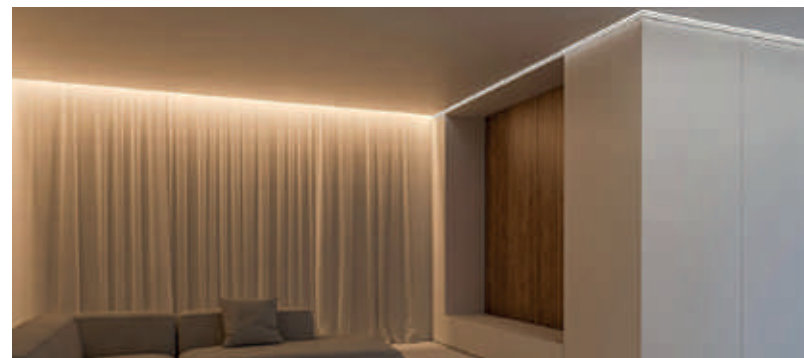
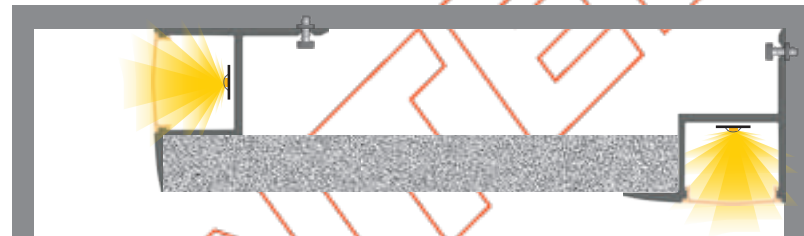
**Aluminium profile**

08.008 anodised silver 2m



**Polycarbonate cover**

18.060 frosted 2m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.7kg / Alloy: 6063 / Perimeter: 223.30mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



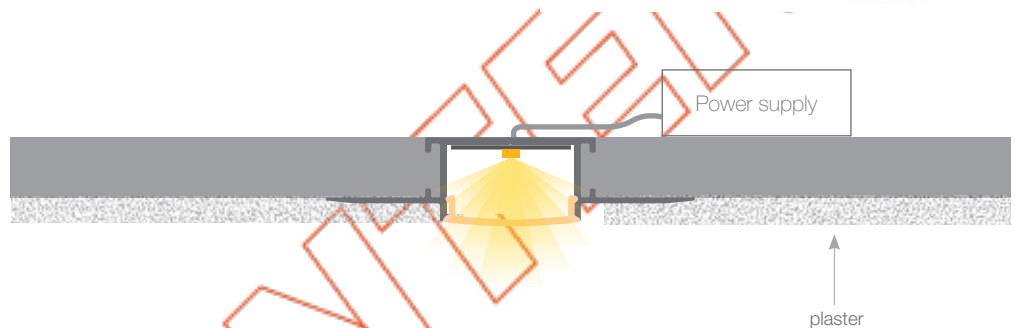
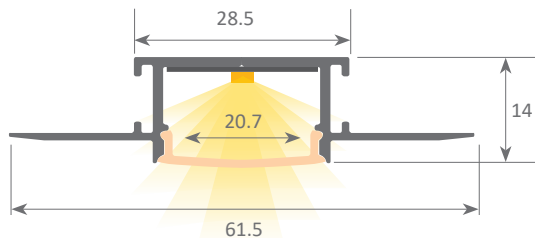
## MONTANA

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and is available in silver anodised. It is ideal for illuminating ceilings and wall surfaces, where the profile is perfectly integrated. These optimum adherence properties are achievable thanks to Montana's two perforated side trims, which end up entirely covered under the plaster wall's surface once the mounting has been finished. We recommend the use of a metal mesh on our Montana, in order to strengthen the mounted joints and also to avoid cracks in the future.

It is suitable for led strips with a maximum width of 20mm and a power not greater than 30W/m. In order to obtain a more homogeneous illumination while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips. It can also be combined with our rigid led strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



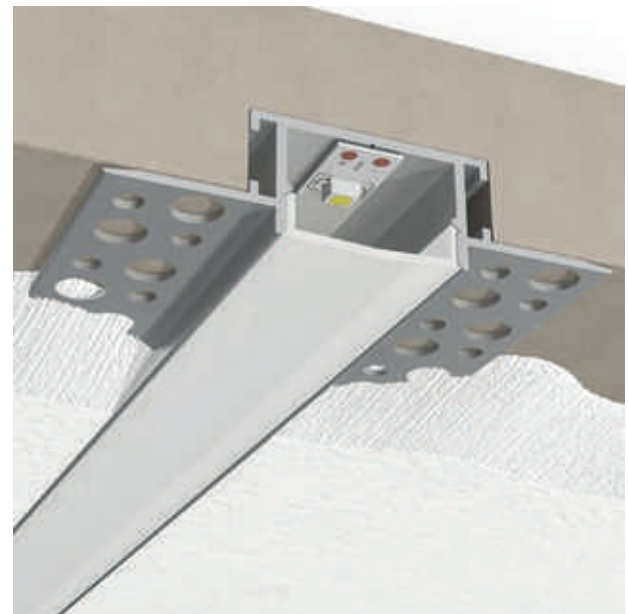
**Aluminium profile**  
08.004 anodised silver 2m



**Plastic endcaps**  
19.132 grey without hole  
19.133 grey with hole



**Polycarbonate cover**  
18.056 frosted 2m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

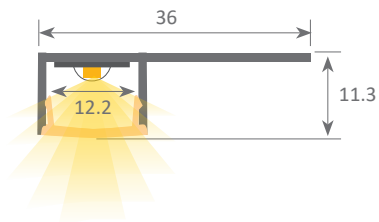
## ALASKA

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. The profile is ideal for illuminating bathrooms, kitchens and similar areas, where it is mounted on tiles, ceramic or stoneware surfaces. Also, due to its perforated L-shaped trim, it is easy to fit the profile into concrete and this way we achieve a perfect adhesion to the wall.

This profile has one trim and can be mounted between two tiles or used as a corner/wall ending. It is suitable for led strips with a maximum width of 12.5mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



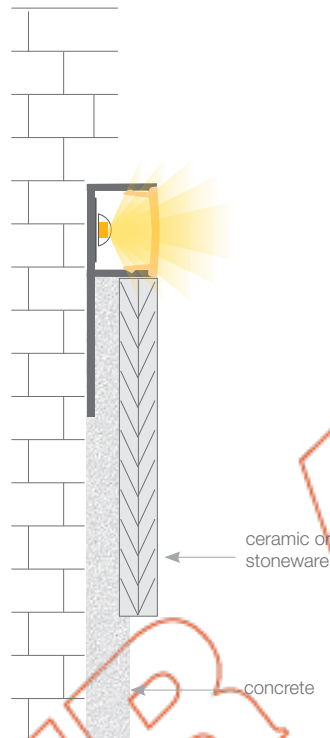
### Aluminium profile

08.001 anodised silver 3m



### Polycarbonate cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### Plastic endcaps

19.126	grey without hole
19.127	grey with hole



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.198kg / Alloy: 6063 / Perimeter: 111.8mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

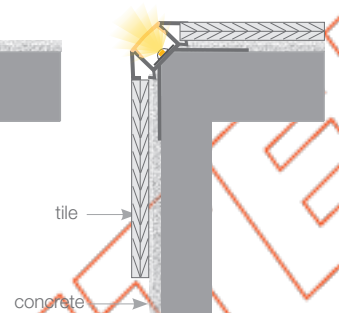
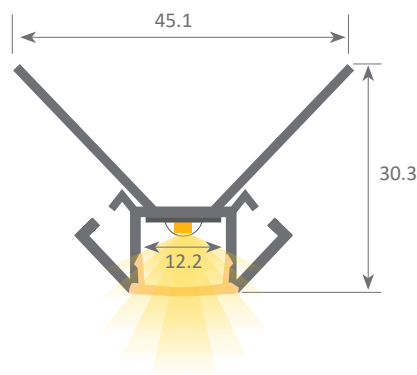
## PORTLAND

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is ideal for illuminating bathrooms, kitchens and similar areas, where it is mounted on tiles, ceramic or stoneware surfaces. Also, due to its two perforated L-shaped trims, it is easy to fit the profile into concrete in order to achieve a perfect adhesion to the wall. This profile is designed for outer corners.

It is suitable for led strips with a maximum width of 12.5mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



### Aluminium profile

08.003 anodised silver 3m



### Plastic endcaps

19.130 white without hole  
19.131 white with hole



### Polycarbonate cover

18.014 transparent 2m  
18.015 frosted 2m  
18.018 opal 3m  
18.016 transparent 6m  
18.017 frosted 6m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.356kg / Alloy: 6063 / Perimeter: 227.6mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

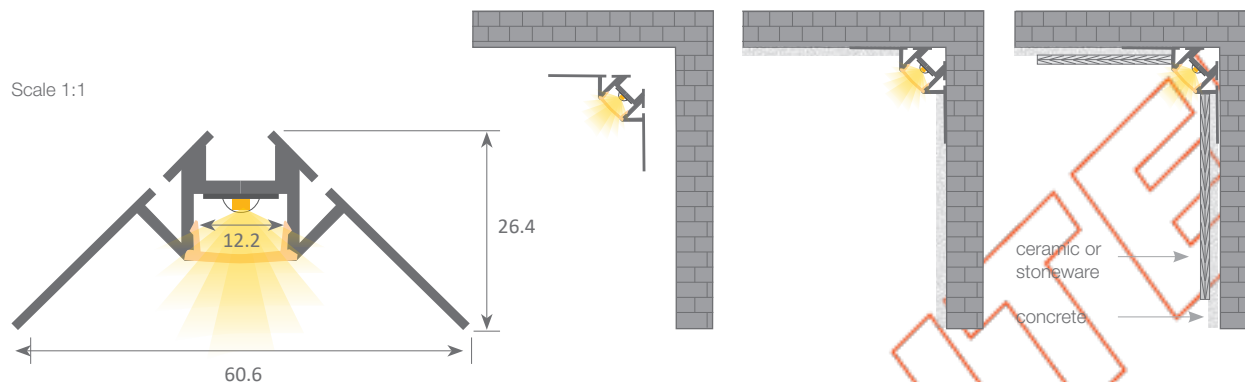


## BALTIMORE

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is ideal for illuminating bathrooms, kitchens and similar areas, where it is mounted on tiles, ceramic or stoneware surfaces. Also, due to its perforated L-shaped trims, it is easy to fit the profile into concrete in order to achieve a perfect adhesion to the wall. This profile is designed for inner corners.

It is suitable for led strips with a maximum width of 12.5mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**



### Aluminium profile

08.002 anodised silver 3m



### Plastic endcaps

19.128 white without hole  
19.129 white with hole



### Polycarbonate cover

18.014 transparent 2m  
18.015 frosted 2m  
18.018 opal 3m  
18.016 transparent 6m  
18.017 frosted 6m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.423kg / Alloy: 6063 / Perimeter: 238.7mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

led profiles for walls





KENTUCKY

136



WASHINGTON

137



CLEVELAND

138



BURDEOS

140



ATLANTA SLIM

141



VENEZIA

142



MONACO

143



GALICIA

144



COMENZA  
HANDRAIL

146



Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. The profile is suitable for corridors and walls, where it offers Up&Down led lighting. Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled led strips.

**We offer a 2 year guarantee on our profiles and covers.**

## KENTUCKY



**Aluminium profile**  
09.005 anodised silver 3m



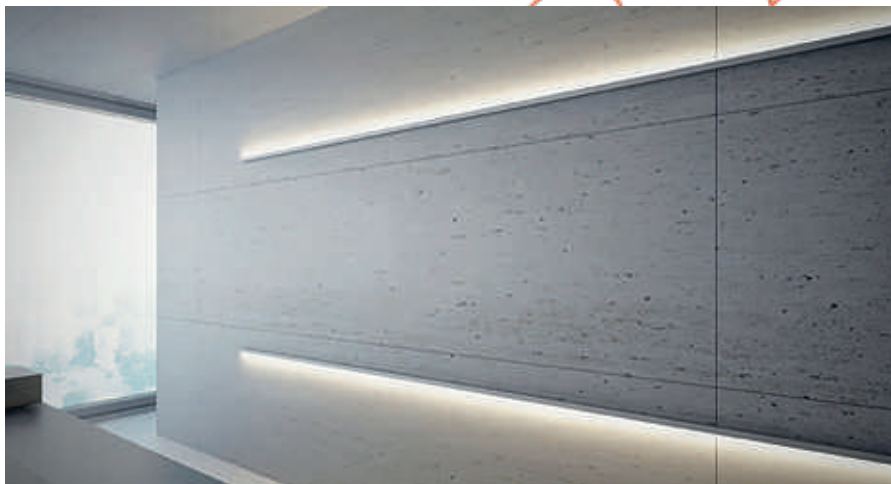
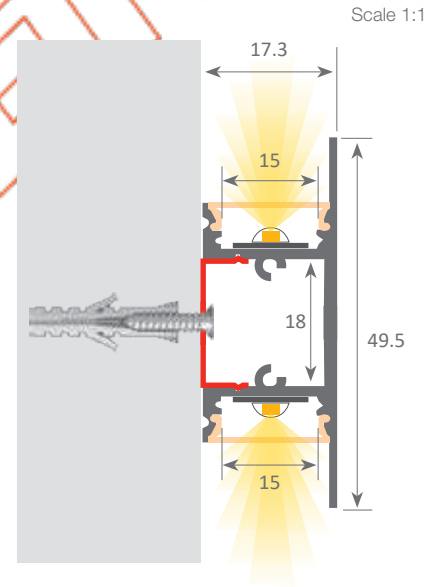
**Aluminium endcaps**  
19.141 without hole



**Polycarbonate cover**  
18.063 opal 3m



**Clip**  
20.024 chrome steel



Option: aluminium skirting board



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.320kg / Alloy: 6063 / Perimeter: 135.5mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. The profile is suitable for aisles and walls, where it offers Up&Down led lighting. Its central channel houses the power supply and allows the cables to pass through for the circuit's closure, therefore reducing steep voltage drops.

Suitable for led strips with a maximum width of 25mm and a power not greater than 40W/m.

In order to obtain a more homogeneous illumination, while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled led strips. It can also be used with our rigid led strips.

**We offer a 2 year guarantee on our profiles and covers.**

## WASHINGTON



**Aluminium profile**

09.006 anodised silver 3m



**Polycarbonate cover**

18.064 opal 3m



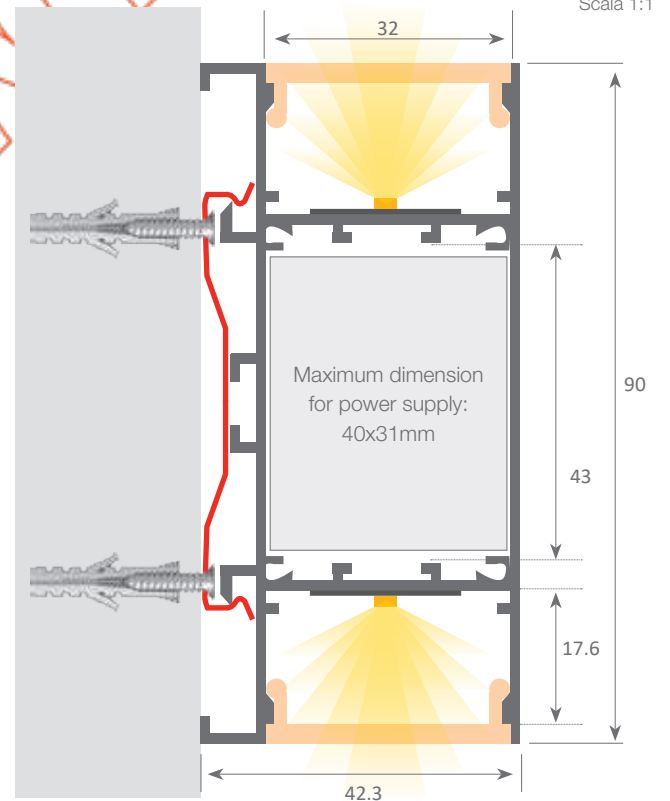
**Plastic endcaps**

19.142 grey without hole



**Clip**

20.025 chrome steel



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001

Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2 / Theoretical weight: 1.450kg / Alloy: 6063

Perimeter: 641.4mm / Anodising minimum: 15 microns / Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for indirectly lighting up aisles and walls. It can also be used in drywalls and between wooden panels to indirectly light upwards and downwards.

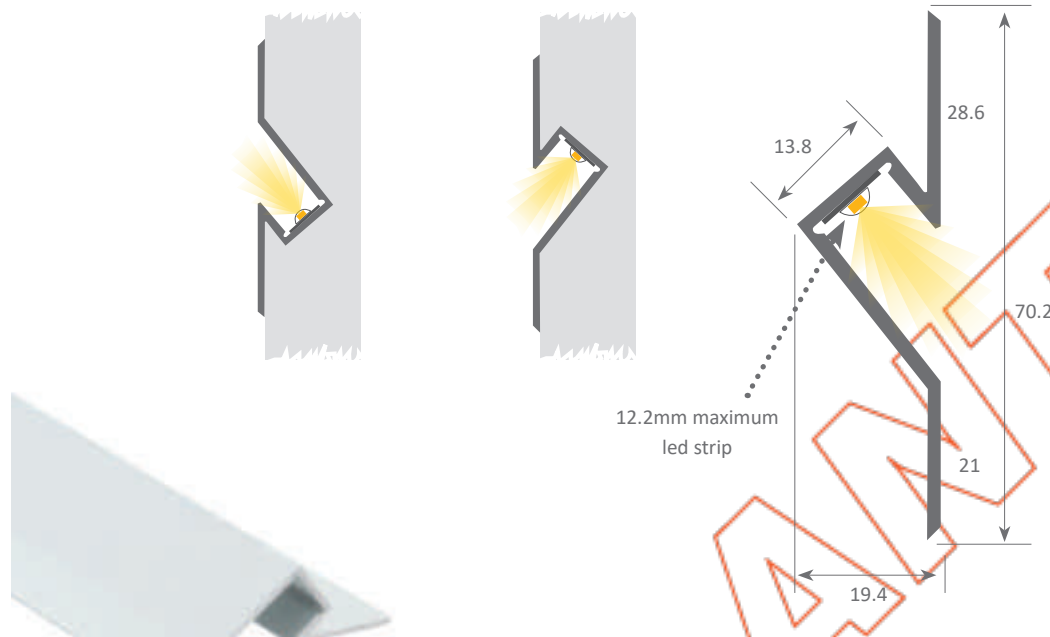
Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m.

In order to obtain a more homogeneous illumination, while also improving the dot free effect, we recommend combining it with our ecoled Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee.**

## CLEVELAND

Scale 1:1



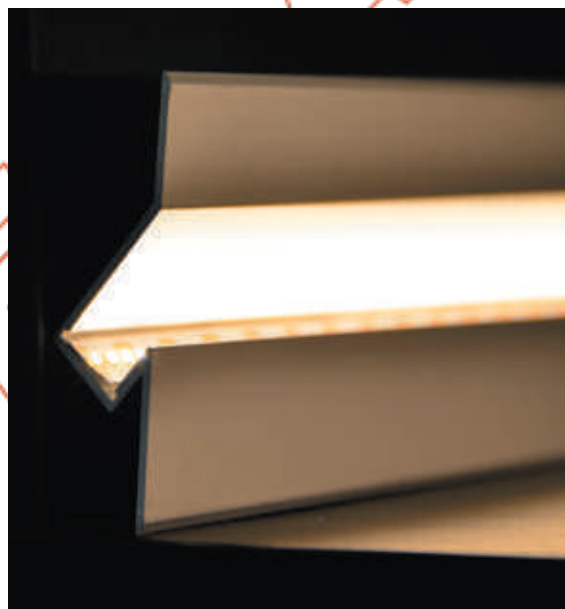
### Aluminium profile

09.004 anodised silver 3m

### Plastic endcaps

19.139 grey without hole

19.140 grey with hole



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.426kg / Alloy: 6063 / Perimeter: 201.4mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





# led profile by Luz Negra

Our BASIC led profile series is manufactured in white plastic and does not require a cover. It is ideal for indirectly lighting up furniture and display units.

Once mounted, the profile can also be used between wooden panels to indirectly light upwards and downwards.

Suitable for led strips with a maximum width of 10mm and a power not greater than 16W/m. In order to obtain a more homogeneous illumination, we recommend combining it with our Cies ecoled strip.

**We offer a 2 year guarantee.**

## BURDEOS

Scale 1:2



**Plastic profile**

09.003 white

3m



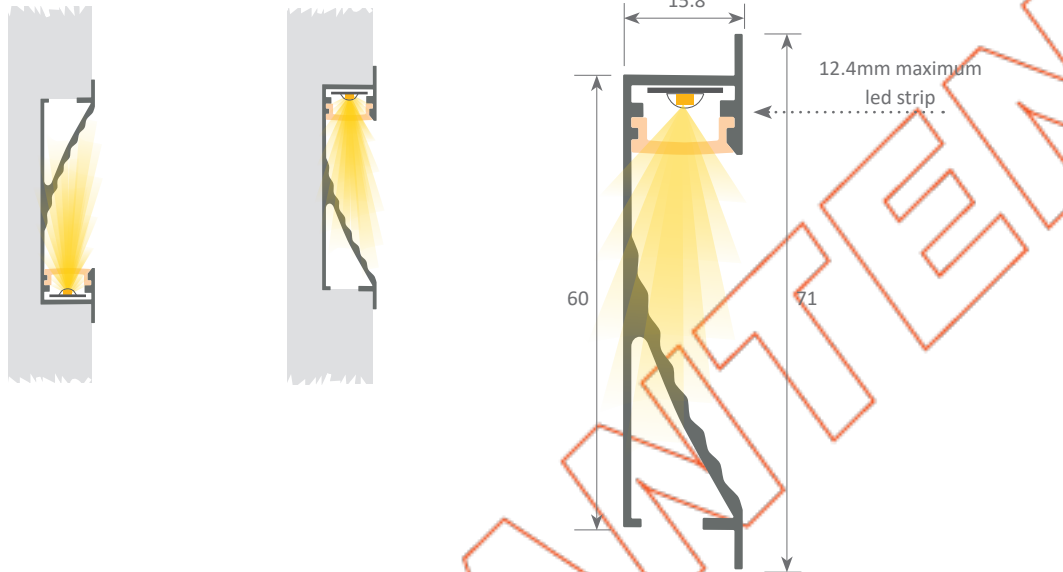


Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for indirect lighting in walls and ceilings. It can be integrated into the wall, plasterboard or wooden panels to indirectly light upwards or downwards. Suitable for led trips with a maximum width of 12mm and a power not greater than 20W/m. We recommend combining it with COB our Elite ecoled strip in order to achieve an homogeneous illumination, while also improving the dot free effect.

**We offer a 2 year guarantee on our profiles and covers.**

## ATLANTA SLIM

Scale 1:1



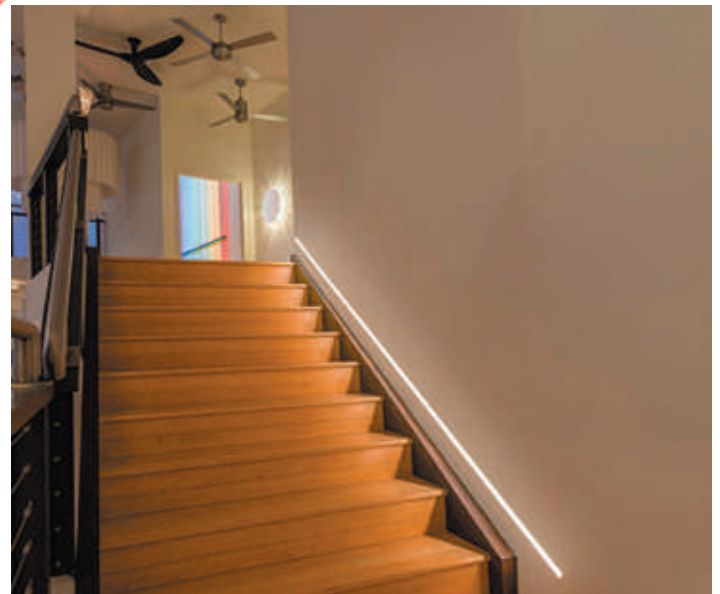
### Aluminium profile

09.002 anodised silver 3m



### Plastic endcaps

19.138 left with hole set of 2 pieces  
right without hole



### Polycarbonate cover

18.062 opal 3m



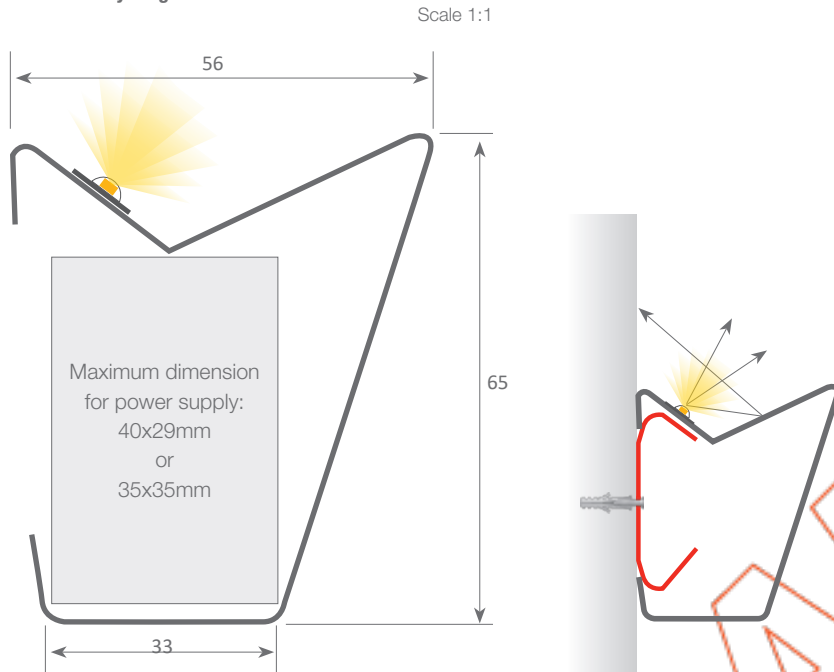
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.380kg / Alloy: 6063 / Perimeter: 265mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



Our BASIC led profile series for wall applications is a folded aluminium profile and with a lacquered white finish. It is ideal for ceiling and ambience lighting. Drivers can be housed inside along with other types of cables, such as telephone, network or similar, allowing circuit closures and therefore avoiding voltage drops.

This profile is available in 2m lengths and suitable for using with our Vizcaya-Barcelona flexible ecoled strips.

**We offer a 2 year guarantee.**



**Aluminium profile**

09.007 white

2m



**Plastic endcaps**

19.143 white left endcap

19.144 white right endcap



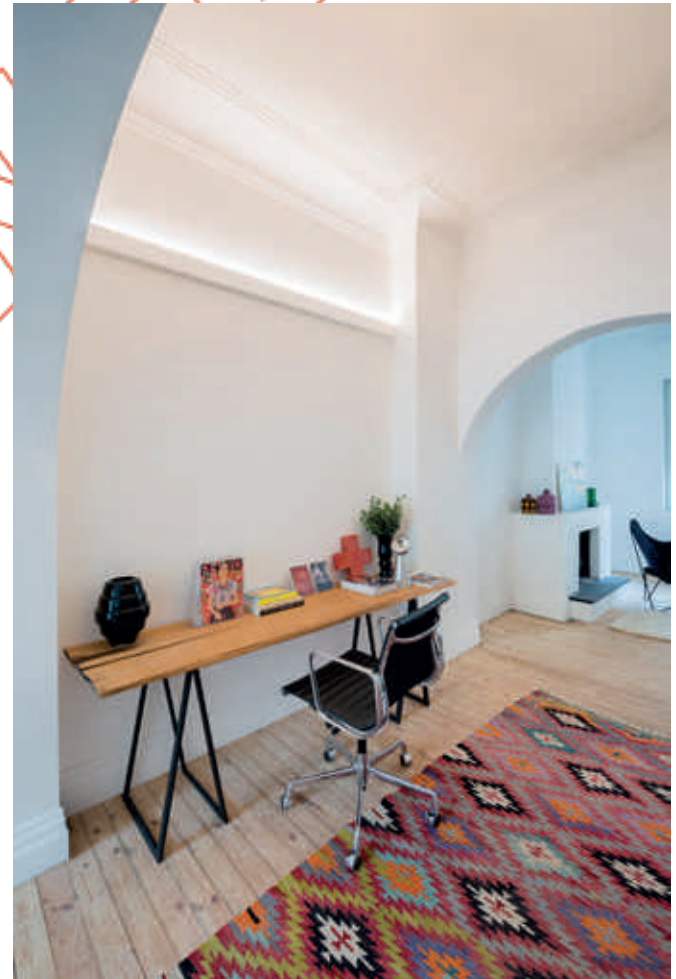
**Clip**

20.026 chrome steel



**Aluminum joint**

22.021 joint between profiles



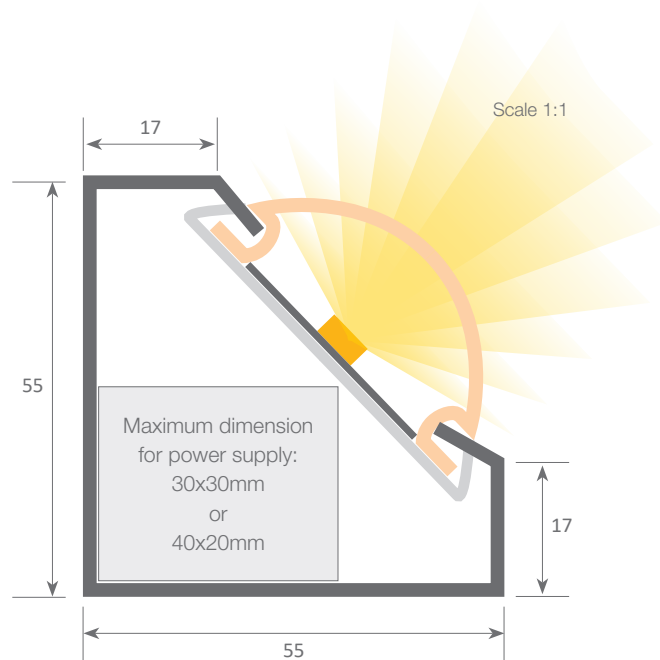
**WARNING:**

As this is not an extruded profile (manually folded profile) there are some tolerances in the final external measurements (mm). The dimensions therefore in this technical drawing are approximate.

Our BASIC led profile series for wall and ceiling applications is a folded aluminium profile lacquered in white. It is ideal for ceilings, walls and ambience lighting. Drivers can be housed inside along with other types of cables, such as telephone, network or similar, allowing circuit closures and therefore avoiding voltage drops.

Profile available in 2m lengths and designed for use with flexible or rigid led strips (with a maximum width of 20mm).

**We offer a 2 year guarantee.**



**Aluminium profile**  
09.008 white

2m



**PVC endcaps**  
19.145 white



**Aluminium profile**  
02.028 white

2m



**Methacrylate cover**  
18.040 frosted

2m



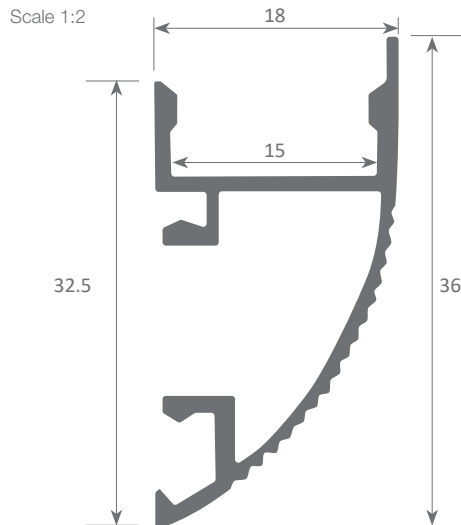
**WARNING:**

As this is not an extruded profile (manually folded profile) there are some tolerances in the final external measurements (mm). The dimensions therefore in this technical drawing are approximate.

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. The profile is suitable for corridors and walls.

Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also improving the dot free effect, we recommend combining it with our Canovelles-Barcelona-Gomera-COB ecoled strips.

**We offer a 2 year guarantee on our profiles and covers.**



**Aluminium profile**

09.047 lacquered white 3m



**Aluminium endcaps**

19.221 with hole  
19.222 without hole



**Polycarbonate cover**

18.083 opal 3m



**Clip**

20.052 chrome steel



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6063 / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0





## COMENZA HANDRAIL

Our PROFESSIONAL led profile series for handrails, manufactured in polished stainless steel AISI 316 (on demand the profile and the rest of components can be supplied in a shiny finish). This profile allows us to incorporate led lighting by means of our Philadelphia or Versailles led profile (Versalles being the most recommended).

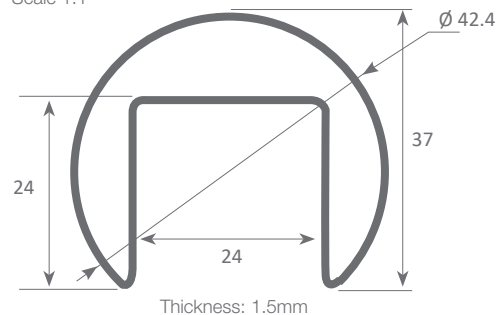
We also offer a wide range of accessories such as wall supports, endcaps and different types of joints. This steel profile is available in 5m lengths, which allows us to carry out long installations without needing any joints.

Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m.

In order to obtain a more homogeneous illumination, we recommend using our opal cover along with Canovelles-Barcelona-Gomera-COB ecoled led strips.

**We offer a 2 year guarantee.**

Scale 1:1



**Stainless steel profile**

12.008 polished stainless steel 5m



**Corner connector**

22.026 polished stainless steel



**Wall support**

22.027 polished stainless steel



**Adjustable connector**

22.028 polished stainless steel



**Adjustable connector 55° / 20°**

22.029 polished stainless steel



**Joint**

22.030 polished stainless steel



**Closing endcap**

19.152 polished stainless steel



Regulations: Technical Building Code TBC by Applus  
Handrail diameter:  $\varnothing 42\text{mm}$  / AISI 316 Stainless steel - resistant to corrosion and high temperatures



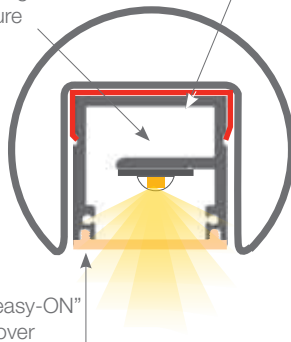
COMENZA led profile



## COMENZA HANDRAIL

Its inner channel allows the cables to pass through the circuit's closure

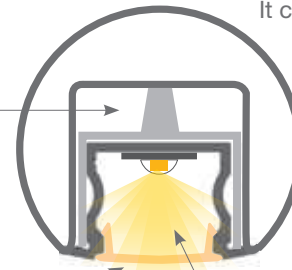
Versalles led profile with "20.009" metal bracket



It can be illuminated when combined with our Versalles or Philadelphia led profiles.

"22.031" clamps

Methacrylate cover



Philadelphia led profile with 20.030 aluminium clamps



### Philadelphia led profile

04.009	anodised silver	2m
04.010	white lacquered	2m
04.011	raw	2m
04.012	anodised silver	6m
04.013	white lacquered	6m
04.014	raw	6m



### Versalles led profile

02.018	anodised silver	2m
02.019	anodised black	2m
02.020	anodised silver	6m
02.021	anodised black	6m



### Internal handrail clamp

20.030	aluminium
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### Clip for Versalles led profile

20.009	chrome steel
20.010	black oxide finish



### Philadelphia cover

18.014	transparent	2m
18.015	frosted	2m
18.018	opal	3m
18.016	transparent	6m
18.017	frosted	6m



### Versalles cover

18.022	transparent	2m
18.023	opal	2m
18.024	frosted	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m



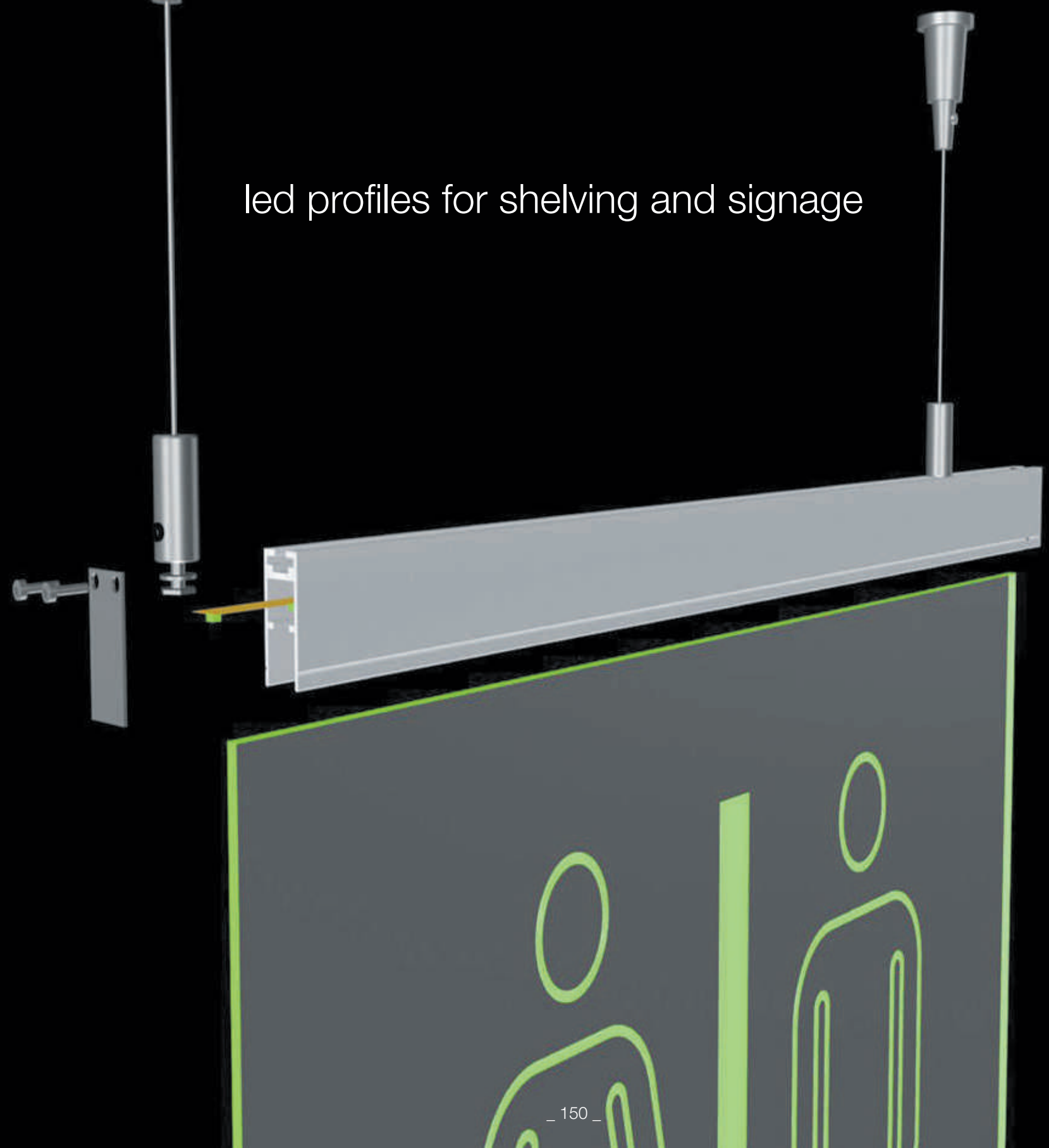
18.030	lens	2m
18.031	lens	6m





COMENZA led profile

led profiles for shelving and signage







HANNOVER

152



GINEBRA

154



COLONIA

155



PLEXILED  
SLIM

156



PLEXILED

157



A03

158



PLETINA

159



ALFA 2

160



MONTECARLO

161

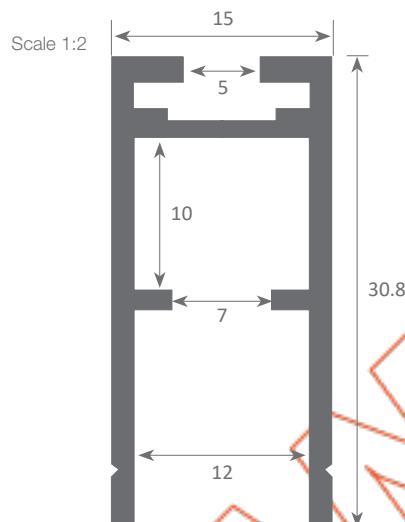
Our PROFESSIONAL led profile series is manufactured in high purity aluminium and silver anodised. This profile can be used for many different purposes, such as ceilings and signage, due to its ultra thin methacrylate with optical effect.

Its etched methacrylate surface makes it ideal for hanging (display signs). We can also manufacture hanging or wall-based luminaires, both with Up&Down or side lighting. Its use with glass or methacrylate converts it into a practical illuminated shelf.

Suitable for led strips with a maximum width of 11mm and a power not greater than 30W/m. We recommend using it with COB our Granada ecoled strip in order to obtain intense brightness.

**We offer a 10 year guarantee.**

Scale 1:1



### Aluminium profile

12.001	anodised silver	3m
12.002	anodised silver	6m



### Endcaps

19.146	silver aluminium without hole
19.147	plastic without hole

### 90° angle bracket

22.003	steel
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### Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
18.016	transparent	6m
18.017	frosted	6m



### Hanger cable

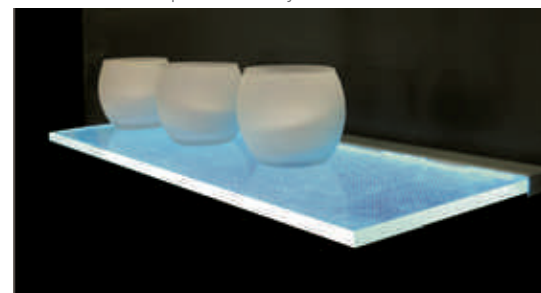
21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units (clip not included)



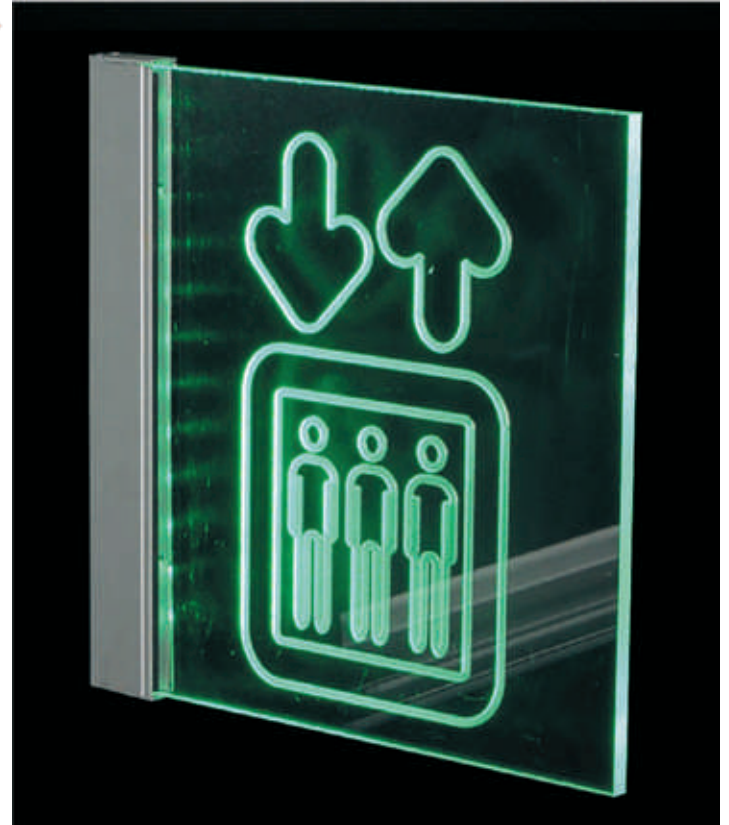
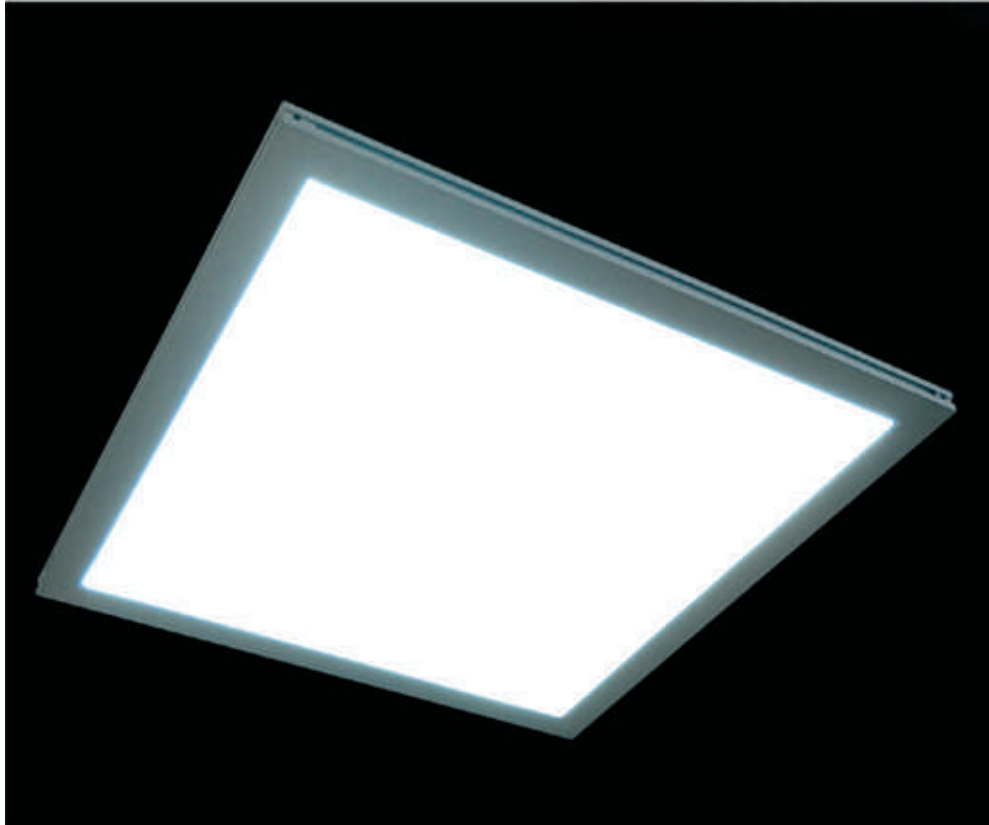
### Bracket

22.022	aluminium
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Shelf illumination with optic methacrylate and led



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.357kg / Alloy: 6063 / Perimeter: 173mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5





Our PROFESSIONAL led profile series is manufactured in high purity aluminium and silver anodised. This profile can be used for many different purposes, such as wall or table signage, due to its etched methacrylate surface (display signs with diffused lighting).

We can also use it as an illuminated shelf with glass or methacrylate.

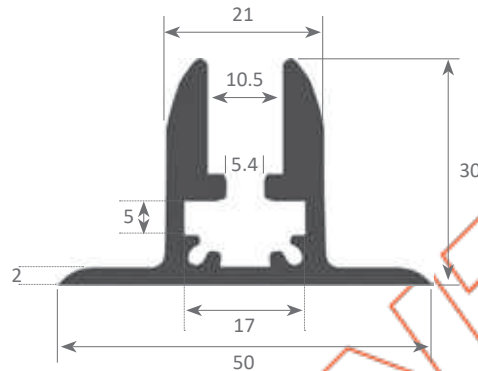
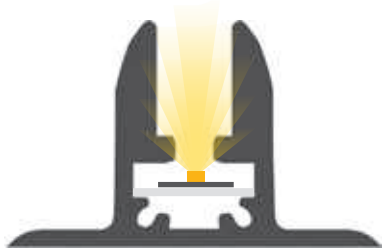
Suitable for led strips with a maximum width of 15mm and a power not greater than 20W/m.

We recommend using it with our Avila ecoled strip in order to obtain white or coloured illumination.

**We offer a 10 year guarantee.**

## GINEBRA

Scale 1:1



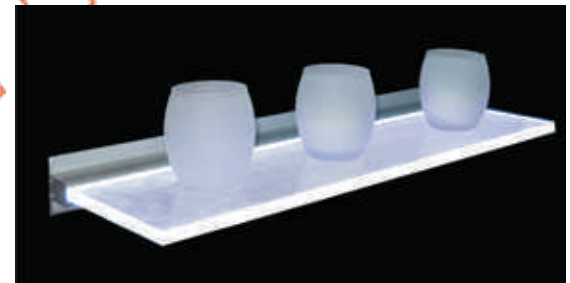
### Aluminium profile

12.003 anodised silver 3m

### Endcaps

19.148 silver aluminium

19.149 grey plastic



### Inner plate

12.017 aluminium  
1000x15x3mm



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.910kg / Alloy: 6063 / Perimeter: 236mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5

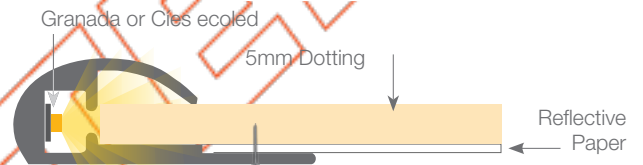
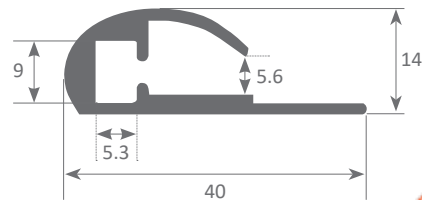
Our PROFESSIONAL led profile series for surface applications, is manufactured in high purity aluminium, available in silver anodised and ideal for indirect lighting.

Suitable for use with led strips with a maximum width of 5mm such as our Granada or Cíes ecoled strips. It is designed to house 5mm optic methacrylate in order to achieve a luminous panel.

**We offer a 10 year guarantee.**

## COLONIA

Escala 1:1



**Aluminium profile**

12.016 anodised silver 3m



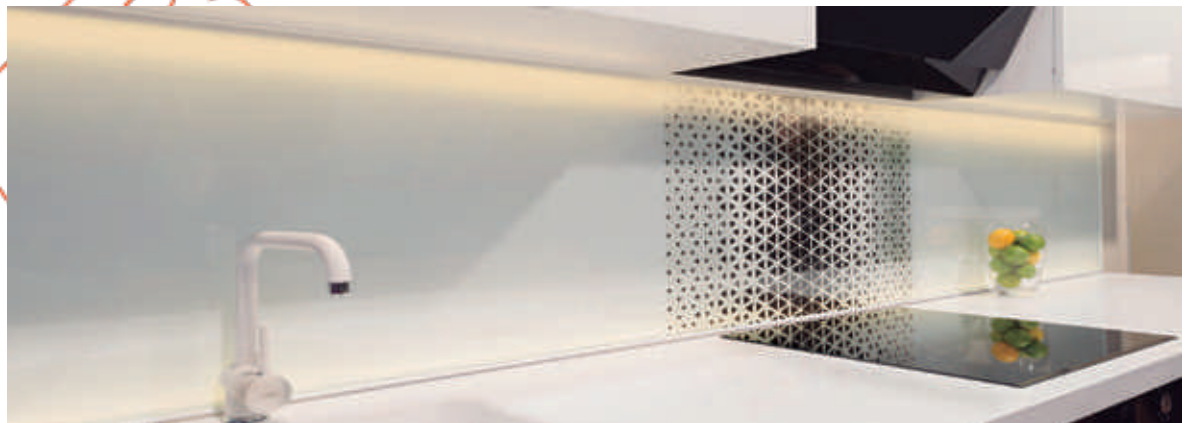
**Endcap**

19.153 black plastic



**Adhesive magnet**

42.001 12mm 1m

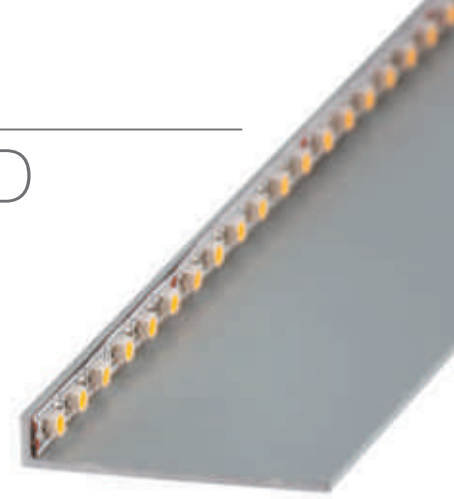


Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001  
Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2 / Theoretical weight: 462.5kg  
Alloy: 6063 / Perimeter: 135.3mm / Anodising minimum: 15 microns / Aluminium purity: 95-98% / Material treatment: T-5

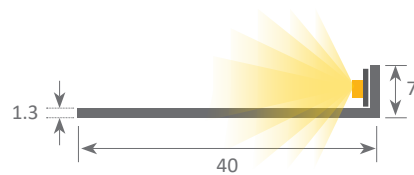
Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is a good provider of heat dissipation and can be used for walls and furniture applications, where the led strips are fixed to the sides. Moreover, it also offers upward and downward lighting. Suitable for led strips with a maximum width of 5mm, such as our Granada or Cies ecoled strips. It is mainly used as a heat dissipating plate for led panels, combined with our PLEXILED optic methacrylate.

**We offer a 2 year guarantee.**

## PLEXILED SLIM



Scale 1:1



### Aluminium profile

12.013 anodised silver 3m



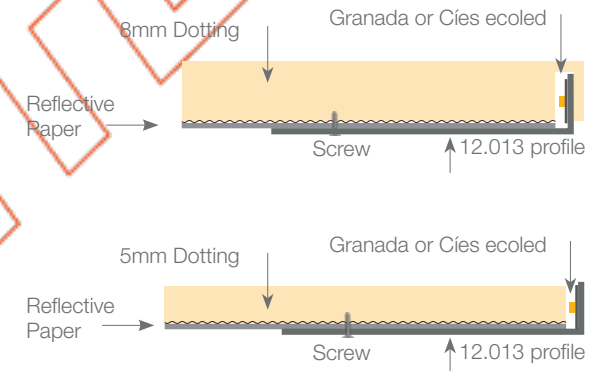
### Adhesive magnet

42.001 12mm 1m



### Adhesive tape

42.002 double-sided adhesive tape (50x12mm)  
42.003 double-sided adhesive foam tape (50x12mm)



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.161kg / Alloy: 6063 / Perimeter: 0.094mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5

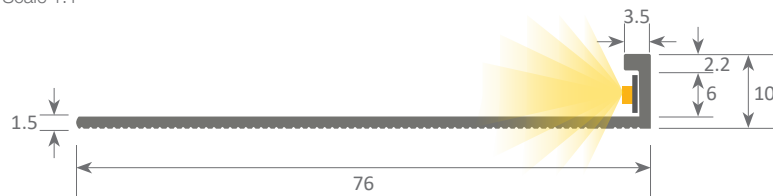


Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is a good provider of heat dissipation and can be used for walls and furniture applications, where the led strips are fixed to the sides. Moreover, it also offers upward and downward lighting. Suitable for led strips with a maximum width of 5mm, such as our Granada ecoled strips. It is mainly used as a heat dissipating plate for led panels, combined with our PLEXILED optic methacrylate.

**We offer a 2 year guarantee.**

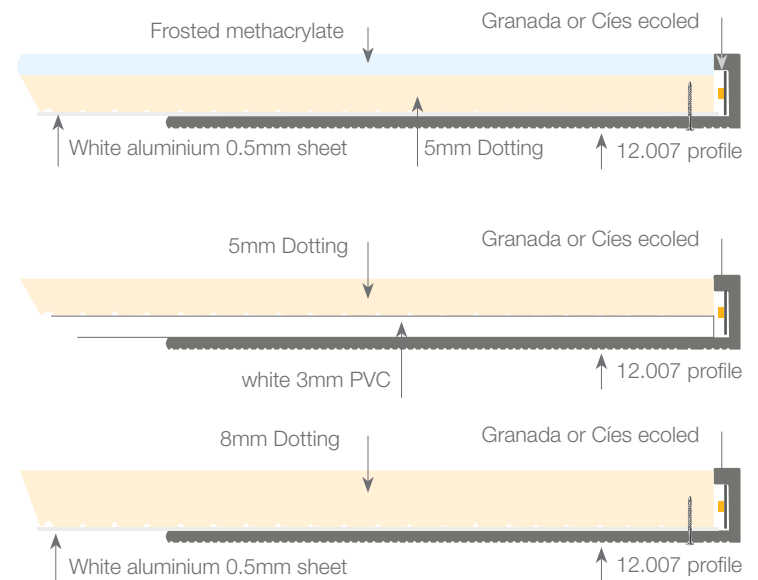
## PLEXILED

Scale 1:1



### Plexiled profile

12.006	anodised silver	2m
12.007	anodised silver	6m



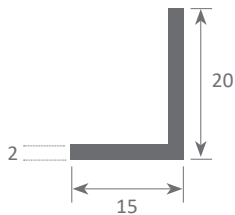
# led profile by Luz Negra

Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is a good provider of heat dissipation and can be used for walls and furniture applications, where the led strips are fixed to the sides. Moreover, it also offers upward and downward lighting. Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strip.

**We offer a 2 year guarantee.**

## A03

Scale 1:1



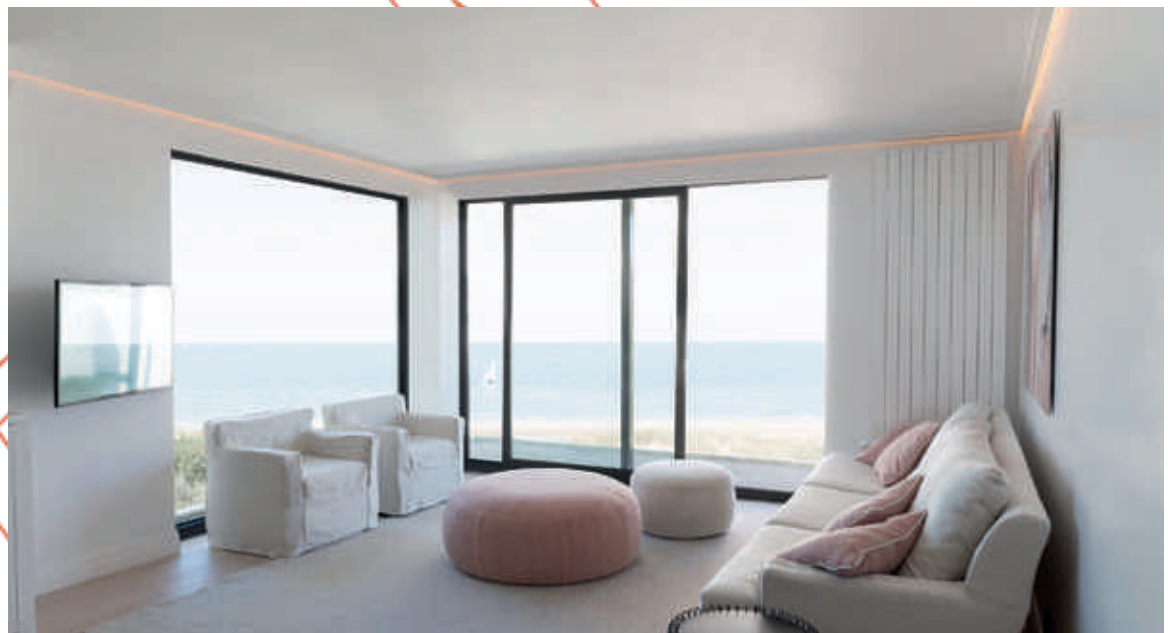
### Aluminium profile

12.009	anodised silver	6m
12.010	white lacquered	6m
12.011	anodised black	6m
12.012	raw	6m



### Adhesive magnet

42.001	12 mm	1m
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.178kg / Alloy: 6063 / Perimeter: 69.35mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5

# led profile by Luz Negra

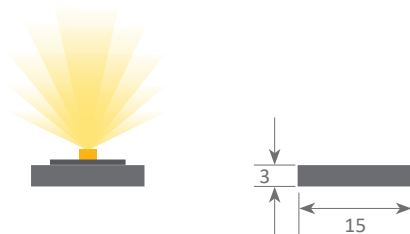
Our BASIC led profile series which is manufactured in high purity raw aluminium. This is an economic alternative for applying minimum dissipation to a led strip.

Suitable for use with led strips with a maximum width of 15mm and a power not greater than 20W/m. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strip.

**We offer a 2 year guarantee.**

## PLETINA

Scale 1:1



**Aluminium profile**

12.017 raw (1000x15x3mm)



**Adhesive magnet**

42.001 12mm 1m





Our PROFESSIONAL led profile series is manufactured in high purity aluminium and silver anodised. The profile is composed of a base and a lid, joined together by means of a spring effect plate (all supplied separately). This has been designed for manufacturing ultra thin display signs in methacrylate optic with side lighting.

The profile/cover can be lifted up allowing us to easily change the advertisement in a question of minutes.

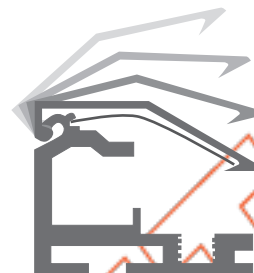
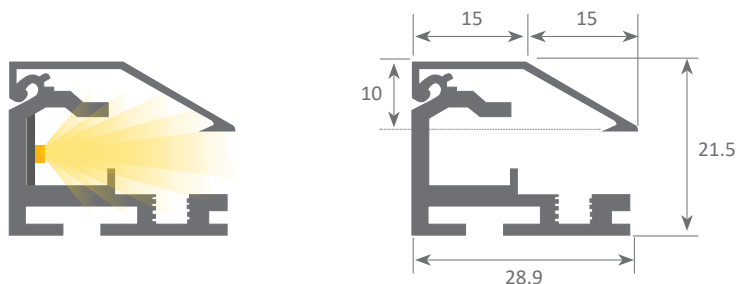
We recommend using it with our Granada ecoled strip or similar.

**We offer a 10 year guarantee.**

## ALFA 2

Scale 1:1

Foldable front panel



### Aluminium profile

12.004	anodised silver	3m
12.005	anodised silver	6m

### Bracket

22.025	aluminium
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### Plate

22.024	steel spring
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### Foldable front panel

19.150	anodised silver	3m
19.151	anodised silver	6m



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.549kg / Alloy: 6063 / Perimeter: 186mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for the manufacturing of extremely thin luminous panels for ceilings or advertising displays.

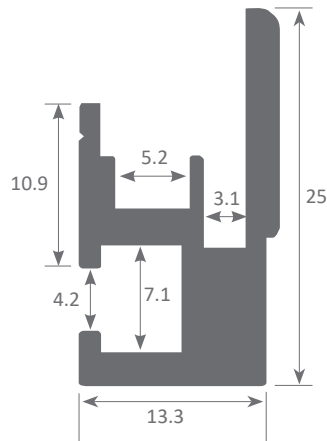
We recommend using it with our Granada ecoled strip and designed to house optic methacrylate.

**We offer a 10 year guarantee.**

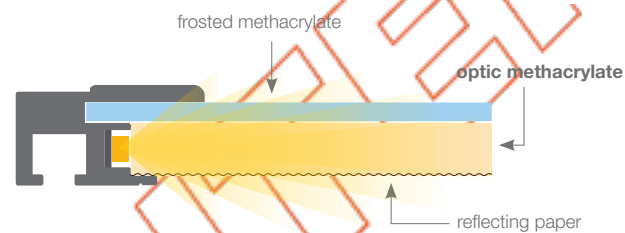
## MONTECARLO

Scale 1:2

Scale 1:1



8mm Methacrylate



### Aluminium profile

12.014	anodised silver	6m
12.015	anodised white	6m

### Profile joint

22.005	steel
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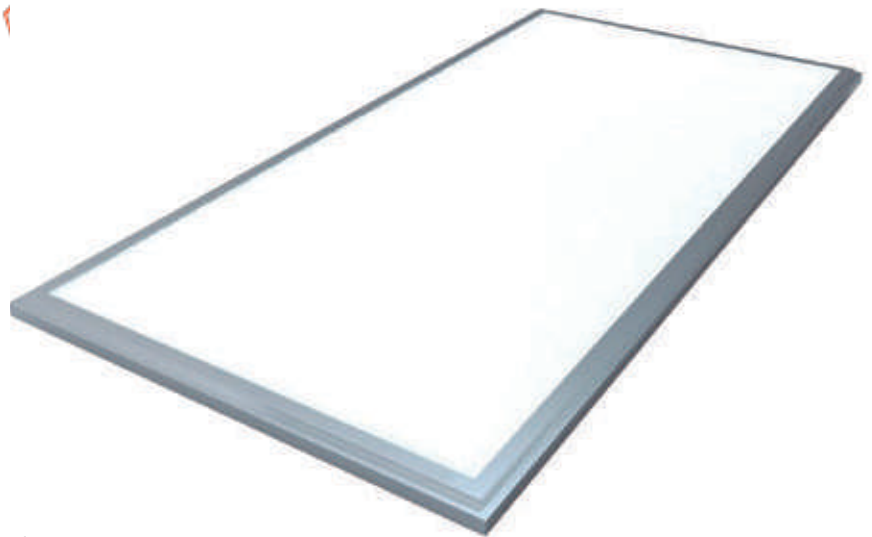
### 90° angle bracket

22.003	steel
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### Hanger cable

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units
(clip not included)		



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.408kg / Alloy: 6063 / Perimeter: 123mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5





flexible  
led profiles





MILANO SLIM

164



HARMONY

166



HARMONY XS

168



MONTRY

170



CANNES

170



LILLE

170



ARLES

170



ESBLY

170



AVIÑON

170



MARSELLA

170



LYON

172



OREGON

173

Our PROFESSIONAL led profile for surfaces (only 4.05mm high) is manufactured in high purity anodised aluminium and available in two different colours (the profile can also be supplied in raw aluminium with no coating of paint).

The profile is ideal for using on wall surfaces, furniture, shelves and similar areas, where we require a minimalist profile with very reduced dimensions.

Its cover (available in 5 different finishes), has our "easy-ON" system. Once combined with this profile, it provides an IP65 rating to the luminaire.

This can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, and others.

The profile and its covers are available in lengths of 2 and 6 metres, thus allowing us to carry out large projects where all profiles do not have joints or similar surface breaks.

It is suitable for led strips with a maximum length of 10mm, whose power level does not exceed 15W/m. In order to obtain a more homogeneous and diffused illumination, we recommend using with our opal cover with COB ecoled strips.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## MILANO SLIM



IP65

Scale 1:1



Scale 1:2



### Aluminium profile

01.016	anodised silver	2m
01.019	anodised black	2.90m
01.018	anodised silver	6m



### Plastic endcaps

19.206	grey without hole
19.207	grey with hole
19.208	black without hole
19.209	black with hole



### Clip

20.027	chrome steel
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### Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



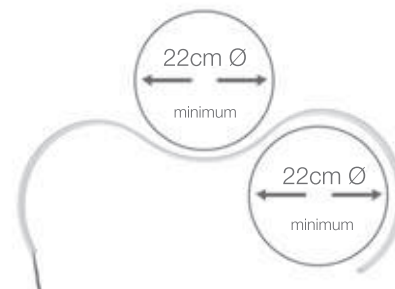
### Black&White cover "easy-ON"

18.007	Black&White	2m
18.008	opaque grey	2m
18.009	Black&White	6m



### Profile bending machine

22.031	22cm Ø minimum profile curvature
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.089kg / Alloy: 6063 / Perimeter: 52mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)





Our PROFESSIONAL led profile series for surface applications, is manufactured in high purity aluminium and available in silver anodised and lacquered white (on demand, we can offer different anodised and lacquered finishings). This profile can be used for many different purposes, not only surfaces, but also for hanging luminaires or similar, where we require a more flexible profile which can be adapted to certain bends and irregular shapes. Minimum bending radius is of 22cm. Suitable for led strips with a maximum width of 13mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, we recommend combining it with our Cies-Barcelona ecoled strips.

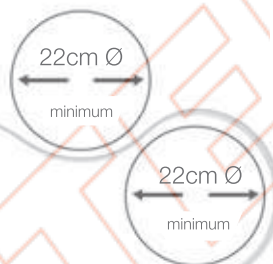
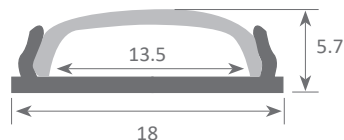
**We offer a 2 year guarantee on profiles and covers.**

## HARMONY

Scale 1:1



Scale 1:2



### Aluminium profile

11.001	silver anodised	3m
11.002	white lacquered	3m



### Plastic endcaps

19.154	white with hole
19.155	white without hole



### Polycarbonate cover

18.065	opal	3m
18.066	transparent	3m



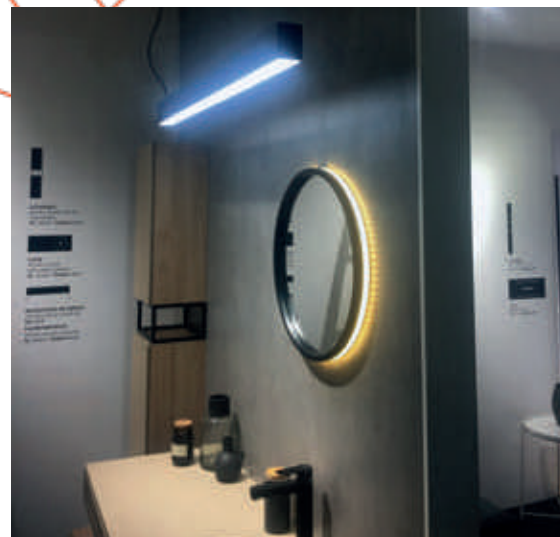
### Clip

20.027	chrome steel
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### Profile bending machine

22.031	22cm Ø minimum profile curvature
--------	----------------------------------



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.052kg / Alloy: 6063 / Perimeter: 49.5mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



Made with Harmony led Profile  
Cortesy of Decovision

## HARMONY XS

Our PROFESSIONAL led profile series for surface applications is manufactured in high purity aluminium and available in silver anodised and lacquered white (on demand, we can offer different anodised and lacquered finishings). This profile can be used for many different purposes, not only surfaces, and also for hanging luminaires or similar where we require a more flexible profile which can adapt to certain bends and irregular shapes. Minimum bending radius must be of 22cm.

Suitable for led strips with a maximum width of 13mm and a power not greater than 20W/m.

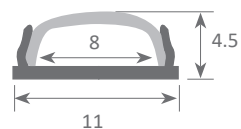
In order to obtain a more homogeneous illumination, we recommend combining it with our Cies ecoled strips.

**We offer a 2 year guarantee on profiles and covers.**

Scale 1:1



Scale 1:2



### Aluminium profile

11.003	white lacquered	3m
11.004	silver anodised	3m

### Plastic endcaps

19.156	white without hole
19.157	white with hole

### Profile bending machine

22.031	22cm Ø minimum profile curvature
--------	----------------------------------



### Polycarbonate cover

18.067	opal	3m
18.068	transparent	3m

### Clip

20.028	chrome steel
--------	--------------



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9  
UNE-EN 12020-2 / Theoretical weight: 0.033kg / Alloy: 6063 / Perimeter: 34.3mm / Anodising minimum: 15 microns  
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



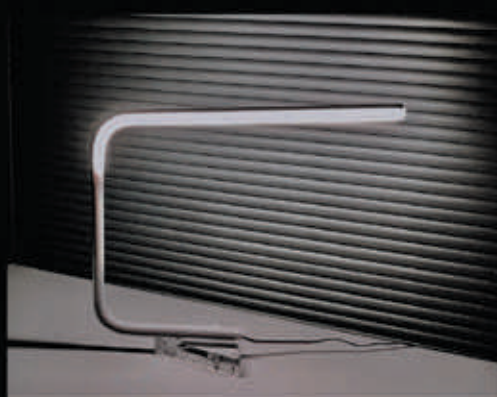
# Flex&Cover

These are opaline, flexible PVC covers which are ideal for outdoor use and treadable.

Specially indicated for applications where we need a curve (both concave and convex), such as in furniture, displays and similar. By applying pressure they are inserted into wooden surfaces, PVC, plaster, etc.

The led which is to be used, must have a power not greater than 14W/m unless it is used with compatible led profiles, indicated on page 40.

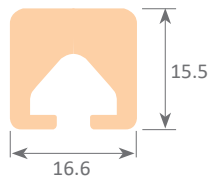
On demand we can supply any of these profiles in opaline colours (please check with our technical department).



## Rubber profile PVC

11.005 white 20m roll

Scale 1:1



## MONTRY

Cover

Minimum profile curvature: 50mm

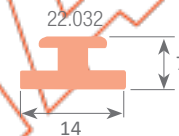
Compatible with magnetic base 22.032



## MONTRY

Magnetic base

Scale 1:1

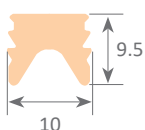


## Rubber profile PVC

11.006 white 50m roll

11.007 white 10m roll

Scale 1:1



## CANNES

Minimum profile curvature: 50mm

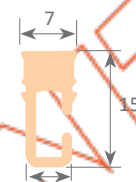


## Rubber profile PVC

11.012 white 40m roll

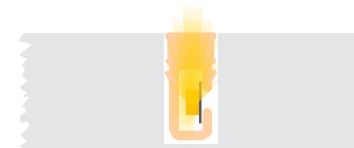
11.013 white 10m roll

Scale 1:1



## ESBLY

Minimum profile curvature: 50mm

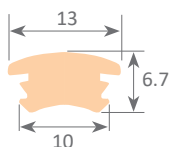


## Rubber profile PVC

11.008 white 50m roll

11.009 white 10m roll

Scale 1:1



## LILLE

Minimum profile curvature: 50mm

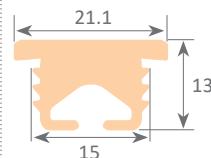


## Rubber profile PVC

11.014 white 25m roll

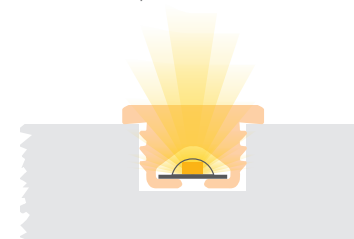
11.015 white 1m roll

Scale 1:1



## AVIÑON

Minimum profile curvature: 80mm

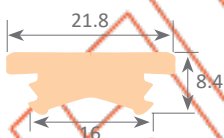


## Rubber profile PVC

11.010 white 40m roll

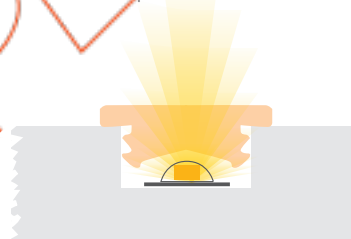
11.011 white 10m roll

Scale 1:1

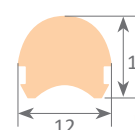


## ARLES

Minimum profile curvature: 80mm



Scale 1:1

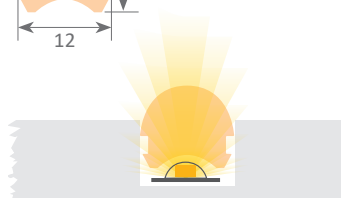


Minimum profile curvature: 50mm

## MARSELLA

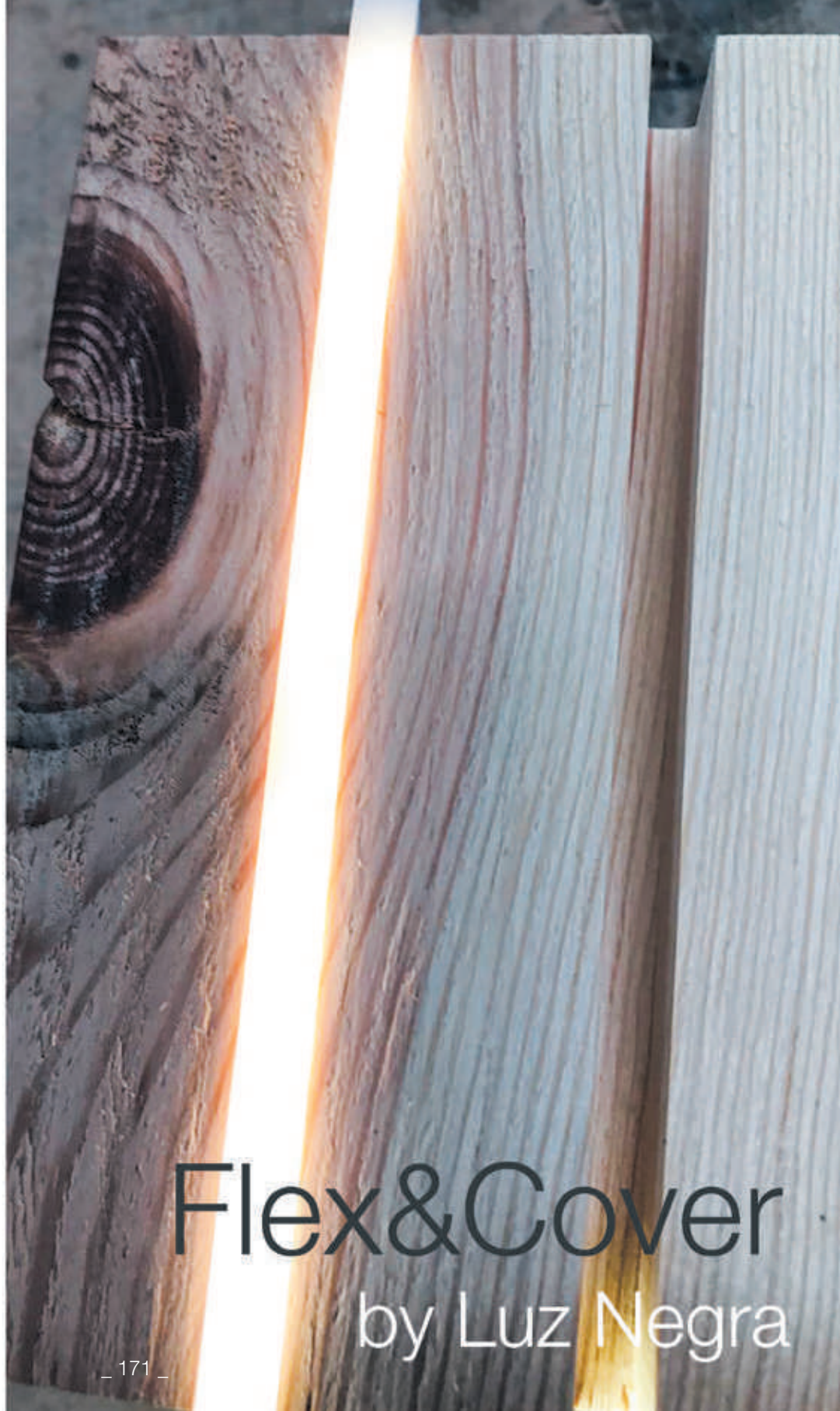
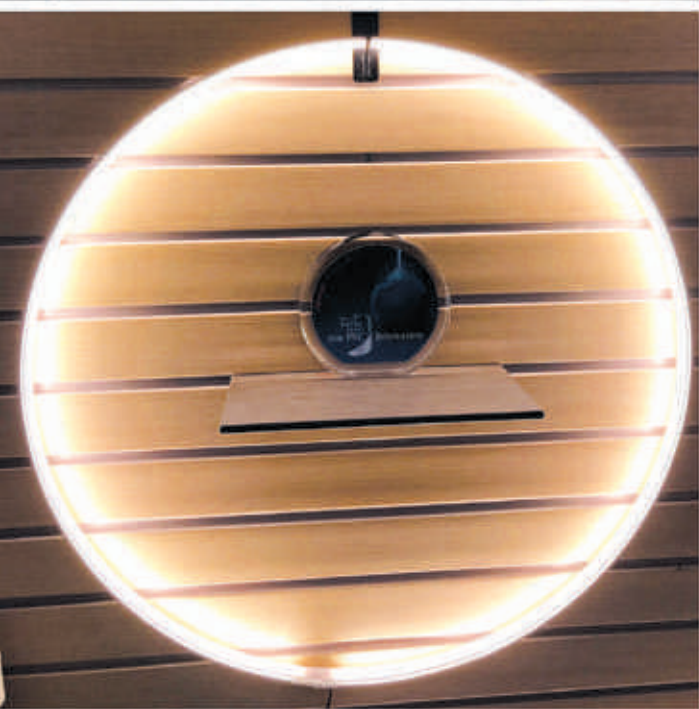
### Rubber profile PVC

11.020	yellow	10m roll
11.021	green	10m roll
11.022	blue	10m roll
11.023	white	10m roll
11.024	orange	10m roll
11.025	red	10m roll
11.026	pink	10m roll
11.027	purple	10m roll



Aluminium alloy extrusion, testing method: Volumetric mass ISO 1183/87 / Shore hardness A: ISO 868/85  
Breaking load: ISO R 527/66 / Elongation: ISO R 527/66 / Fire resistance: UL94





# Flex&Cover

by Luz Negra



# led profile by Luz Negra

Our BASIC led profile series for surface applications is manufactured in a grey coloured flexible rubber (on demand, we can supply different finishings).

This profile is specially suitable for embedding into straight or curved wooden surfaces (minimum bending radius being 20cm).

Suitable for led strips with a maximum width of 10mm and a power not greater than 10W/m.

This profile does not have any cover, so we recommend using it with our Ibiza ecoled strip, which offers an IP67 DUO protection layer (preventing dust and dirt from entering).

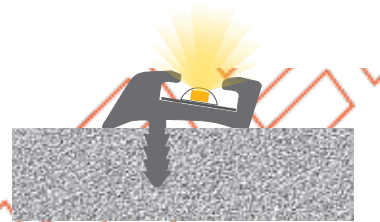
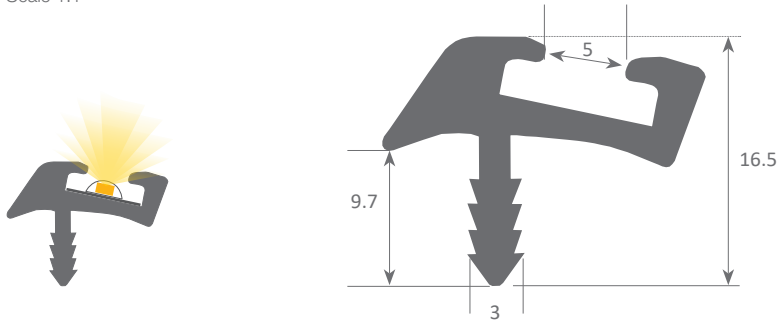
**We offer a 2 year guarantee.**

## LYON



Scale 1:2

Scale 1:1



**Rubber profile**  
11.019 grey

1m



# led profile by Luz Negra

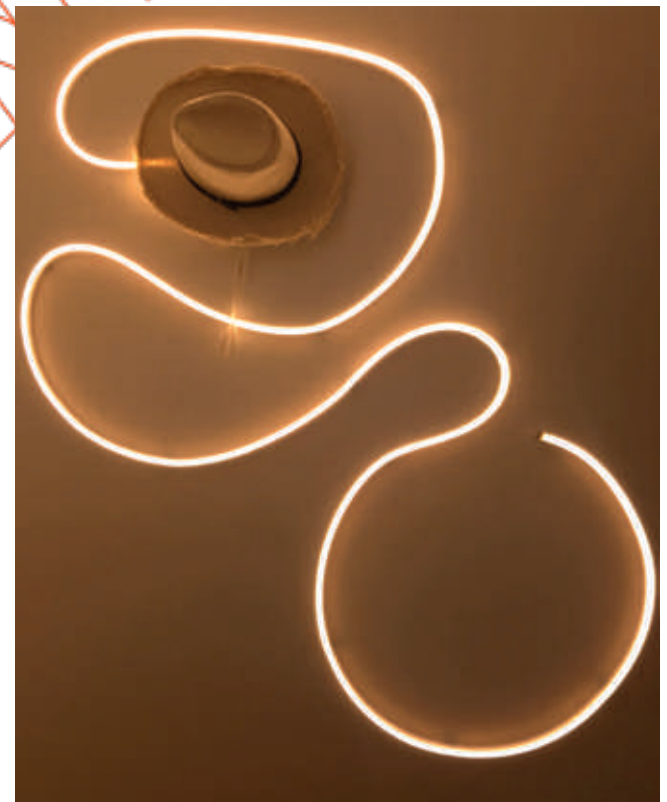
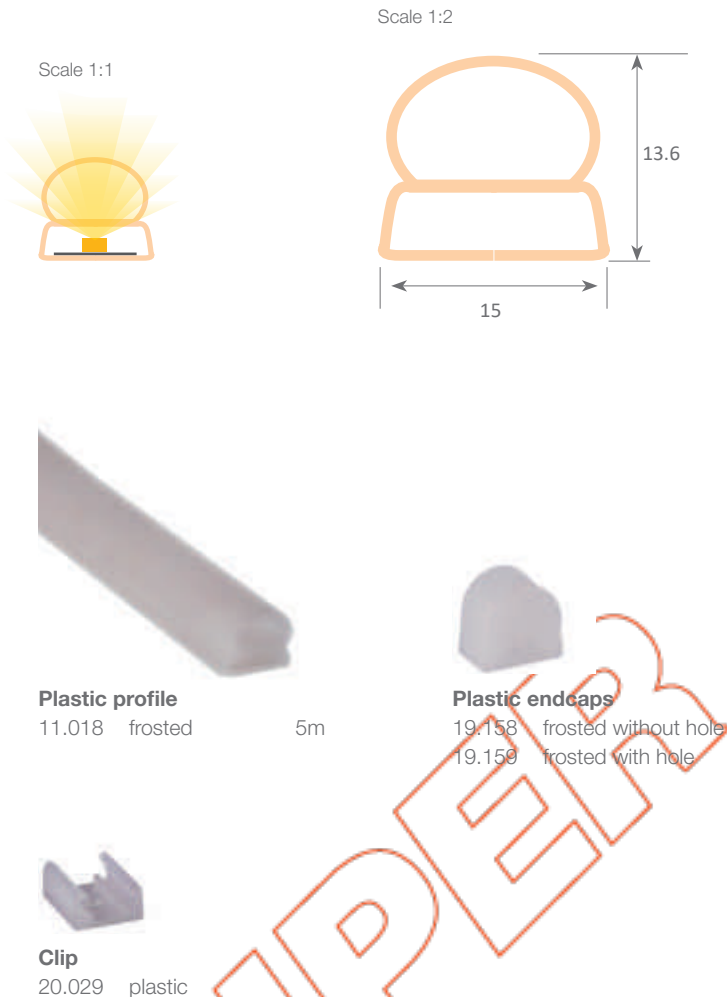
Our PROFESSIONAL led profile series is for surfaces, manufactured in flexible plastic and available with a frosted finishing. It can be used for many purposes, where we require a more flexible profile which can be adapted to certain bends and irregular shapes, similar to a neon profile. It has a frontal minimum bending radius of 15cm and a side one of 25cm.

Suitable for led strips with a maximum width of 11mm and a power not greater than 15W/m. We recommend using our Avila and Jerez ecoled strips for side bending due to its S shaped PCB. In order to place the led inside we can use a leading thread .

**We offer a 2 year guarantee.**

Once the kit has been completed, the end caps can be fixed to the ends of the profiles in order to achieve a water-tightness of IP67.

## OREGON





## silicone led profiles (neon)



We have incorporated into our range of products 10 high quality silicone profiles with all their accessories. We can insert the required led strip inside, in order to create texts or perimetral decorative lighting. These profiles are suitable for indoor or outdoor zones (IP67).





NEON DOBLE

182



NEON XL

183



NEON LAS  
VEGAS

184



NEON  
LAS VEGAS XL

185



FONTANA

186



NEON MICRO

176



NEON MINI

177



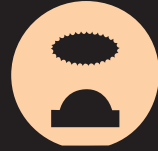
NEON  
CUADRADO

178



NEON REDONDO

180



NEON  
REDONDO XL

181

A very small, high quality silicone profile with an opal front. It is suitable for perimetral decorative lighting, illuminating cavities, etc. As it is extremely thin, it is also ideal for publicity texts and corporate letters on a small scale (its flexibility allows us to create very small letters).

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 6mm and a power not greater than 12W/m. We recommend combining this profile with ecoled Cies.

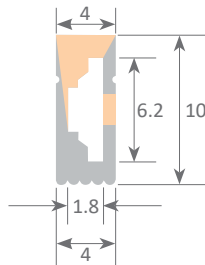
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**

## NEON MICRO

Scale 1:2

Scale 1:1



### Neón Micro Led

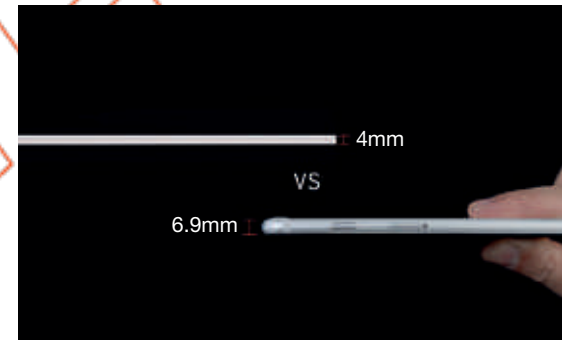
10.001 Neón micro 1-100m  
(PCB max. 6mm)

### Silicone endcaps

19.160 without hole  
19.161 with hole

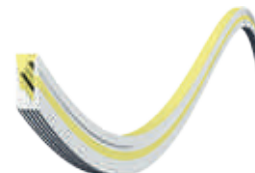
### Silicone for waterproofing

22.033 100ml



### Clip

20.031 white plastic



How to bend

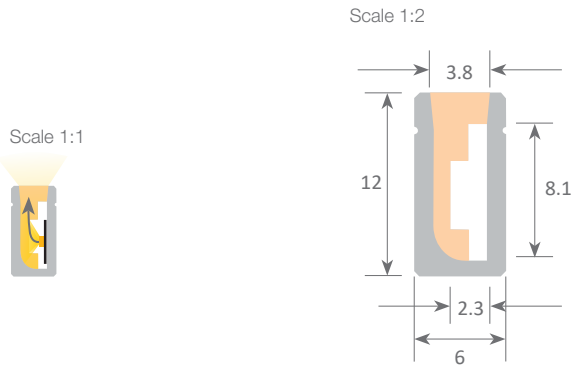


A very small, high quality silicone profile with an opal front. It is suitable for perimetral decorative lighting, illuminating cavities, etc. As it is extremely thin, it is also ideal for publicity texts and corporate letters on a small scale (its flexibility allows us to create very small letters).

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 8mm and a power not greater than 12W/m. We recommend combining this profile with ecoled Cies. Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**

## NEON MINI



### Neón Mini Led

10.002 Neón mini 1-100m  
(PCB max. 8mm)



### Silicone endcaps

19.162 without hole  
19.163 with hole



### Clip

20.033 aluminium



### Silicone for waterproofing

22.033 100ml



How to bend





A high quality silicone profile with an opal front. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts and corporate letters, similar to traditional neons. It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 6mm and a power not greater than 12W/m. We recommend combining this profile with ecoled Cies.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

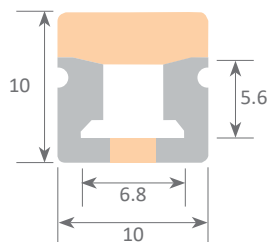
**We offer a 2 year guarantee.**

## NEON CUADRADO

Scale 1:1



Scale 1:2



### Neón Cuadrado Led

10.003 Neón cuadrado 1-100m  
(PCB max. 6mm)

### Silicone endcaps

19.164 without hole  
19.165 with front hole  
19.166 with side hole



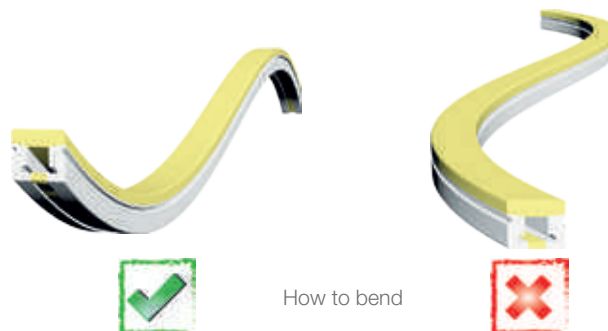
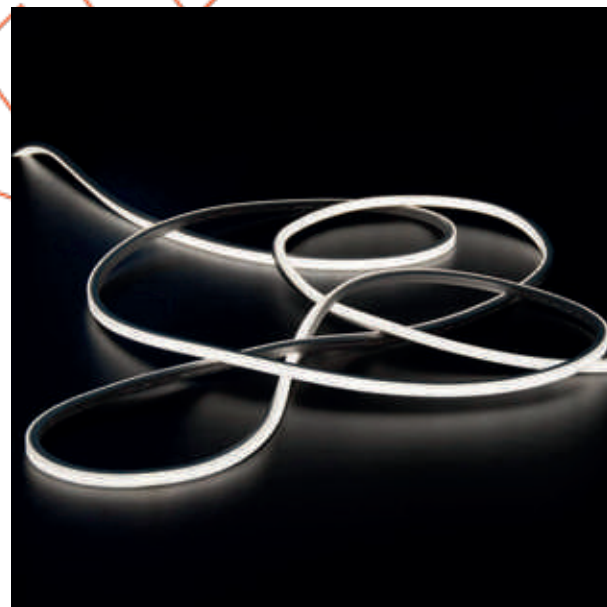
### Clip

20.034 aluminium



### Silicone for waterproofing

22.033 100ml



How to bend



Get  
them eat  
scapes

A high quality opal coloured silicone profile. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts and corporate letters, similar to traditional neons.

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 5mm and a power not greater than 12W/m. We recommend combining this profile with ecoled Cies.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

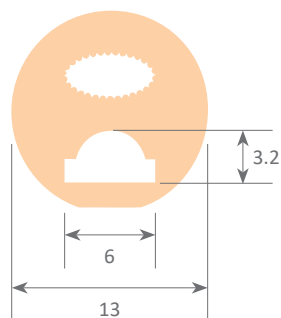
**We offer a 2 year guarantee.**

## NEON REDONDO

Scale 1:1



Scale 1:2



### Neón Redondo Led

10.004 Neón redondo 1-100m  
(PCB max. 5mm)

### Silicone endcaps

19.167 without hole  
19.168 with hole



### Clip

20.035 plastic



### Silicone for waterproofing

22.033 100ml



How to bend





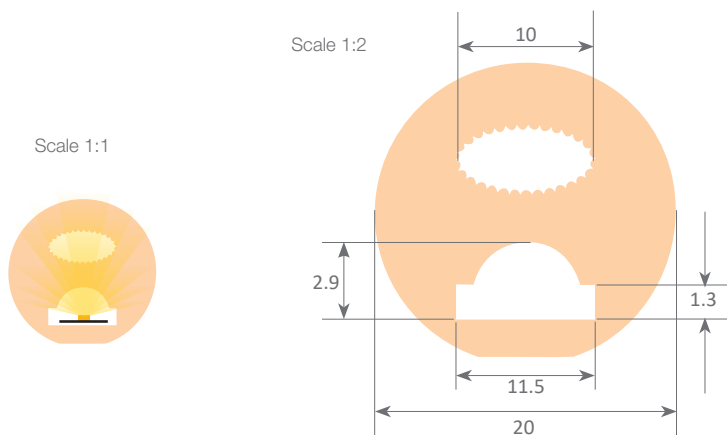
A high quality opal coloured silicone profile. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts and corporate letters, similar to traditional neons.

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 5mm and a power not greater than 12W/m. We recommend combining this profile with ecoled Castellón-Elite 10.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 50m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**

## NEON REDONDO XL



### Neón Redondo XL Led

10.010 Neón redondo XL 1-50m  
(PCB max. 10mm)



### Silicone endcaps

19.226 with hole  
19.227 without hole



### Silicone for waterproofing

22.033 100ml



### Clip

20.065 plastic



How to bend



A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, floor embedding etc.

It has two internal cavities which house an IP20 led strip, with a maximum PCB of 10mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón.

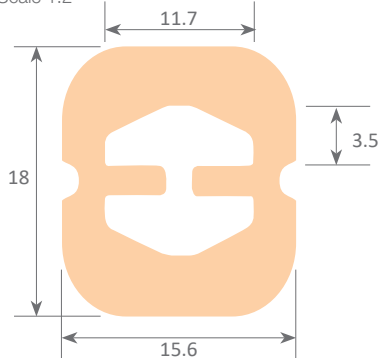
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 25m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**

## NEON DOBLE

Scale 1:1

Scale 1:2



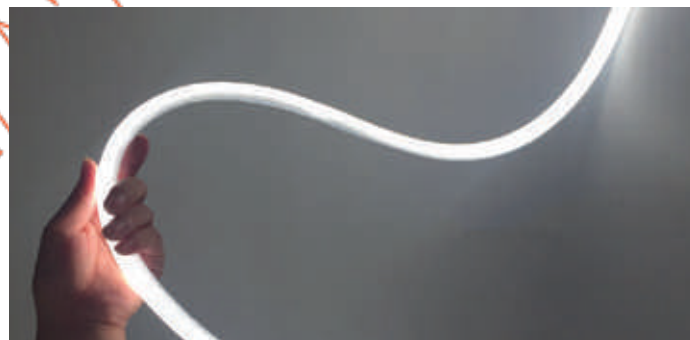
### Neón Doble Led

10.008 Neón doble 1-25m  
(PCB max. 10mm)



### Silicone endcaps

19.179 without hole  
19.180 with hole



### Clips

20.039 plastic  
20.040 aluminium  
20.065 plastic



### Silicone for waterproofing

22.033 100ml



How to bend



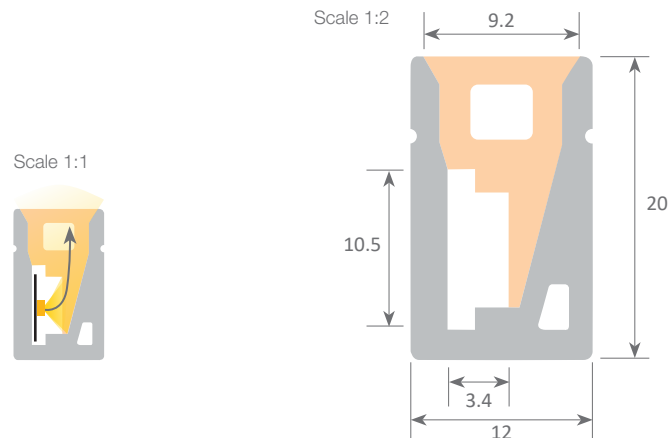
## NEON XL

A high quality silicone profile with an opal front. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts specially when large corporate letters are requested.

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 10mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**



Scale 1:1



### Neón XL Led

10.005 Neón XL 1-100m  
(PCB max. 10mm)

### Silicone endcaps

19.169 without hole  
19.170 with side hole  
19.171 with front hole  
19.172 with bottom hole



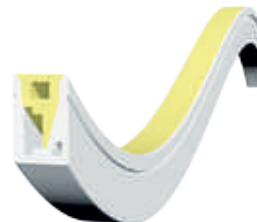
### Clip

20.036 aluminium



### Silicone for waterproofing

22.033 100ml



How to bend





A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts specially when large corporate letters are requested.

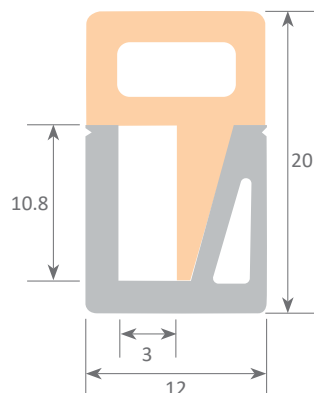
It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 10mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

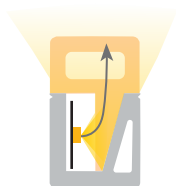
**We offer a 2 year guarantee.**

## NEON LAS VEGAS

Scale 1:2



Scale 1:1



### Neón Las Vegas Led

10.006 Neón Las Vegas 1-100m  
(PCB max. 10mm)

### Silicone endcaps

19.173 without hole  
19.174 with front hole  
19.175 with side hole  
19.176 with bottom hole

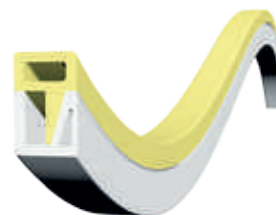
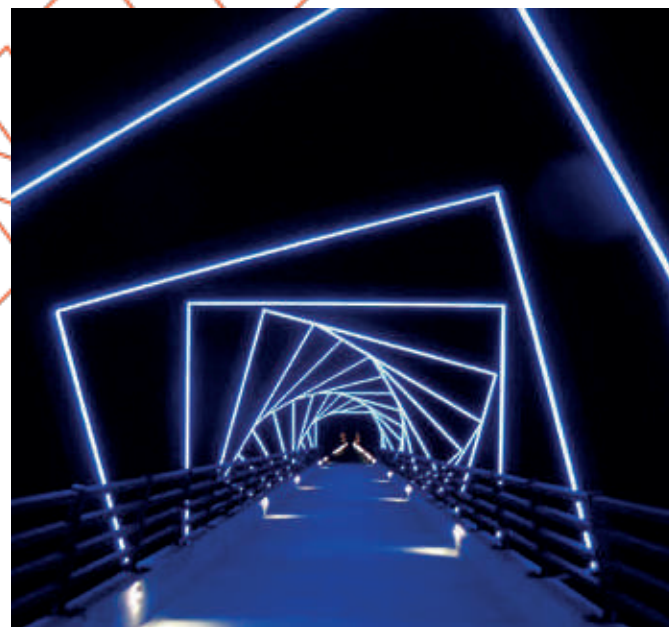


### Clip

20.037 aluminium

### Silicone for waterproofing

22.033 100ml



How to bend



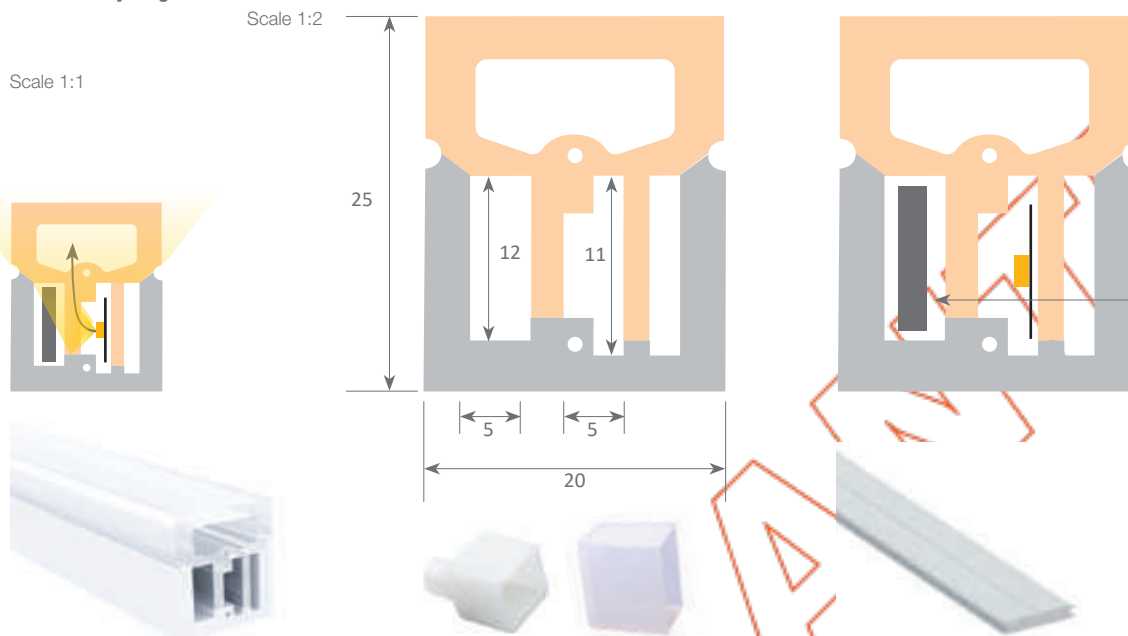
A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts specially when large corporate letters are requested.

It has one internal cavity that can house an IP20 led strip, with a maximum PCB of 12mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón. It also has 2 additional cavities which allow us to insert aluminium plates which give body to the shapes created, keeping them in place.

Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 40m rolls or cut to size (minimum 1m MOQ).

**We offer a 2 year guarantee.**

## NEON LAS VEGAS XL



Las Vegas XL is a silicone profile which houses inside, apart from the led strip, 1 aluminium plate (which gives body to the shapes created, keeping them in place ).  
Ref: 01.014

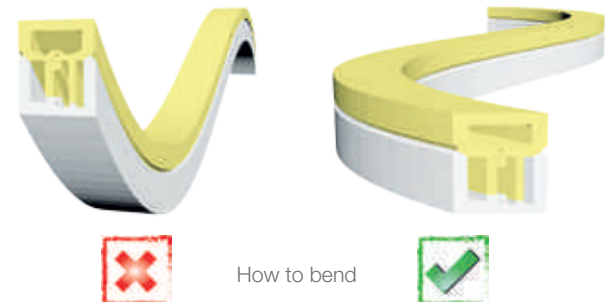
**Neón Las Vegas XL Led**  
10.007 Neón Las Vegas XL 1-40m  
(PCB max. 10mm)

**Silicone endcaps**  
19.177 without hole  
19.178 with hole

**Aluminium profile**  
01.014 anodised silver 2m

**Clip**  
20.038 plastic

**Silicone for waterproofing**  
22.033 100ml



How to bend



Our PROFESIONAL led profile series for surfaces is made of transparent silicone. This profile is designed for waterproofing flexible led strips. Suitable for use with led strips with a maximum PCB width of 10mm and a power not greater than 20W/m.

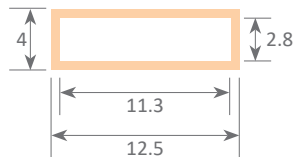
We recommend using a thread in order to install the led strip inside this profile. For the complete module, we can achieve a watertightness of IP67 by sealing the endcaps to the profile.

**We offer a 2 year guarantee.**

Scale 1:1

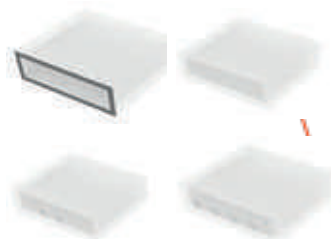


Scale 1:2



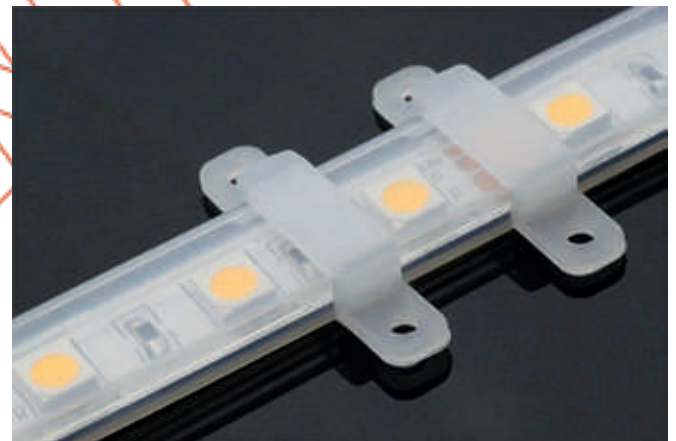
### Silicone profile

10.009 transparent 1-200m



### Silicone endcaps

19.181 without hole  
19.182 with 2 holes  
19.183 with 4 holes



### Clip

20.041 silicone



### Sealing silicone

22.033 100ml



How to bend





# Big Profiles



A wide range of large and medium sized profiles used to manufacture surface, hanging, recessed luminaires or wall lamps.

Our main models are available with our exclusive IP65 “easy-ON” system. Both profile and cover are also available in lengths of up to 6 metres in one single piece.

We also offer models with trellis covers, optics, 3-phase rails for spotlights, recessed and asymmetrical lighting.

System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance.

Up&Down cover available in transparent or frosted white.

Safety cable which fixes the removable tray to the profile and also making maintenance easier.

Vossloh-Schwabe power supply with Dali, 1-10V or PUSH controllers, offering a 5 year guarantee.

Aluminium front removable tray with triple safety system (clipping of cover, safety cable and screw).

"easy-ON" IP65 cover (European patent), available in opal white, transparent microprism and Black&White.



IP65

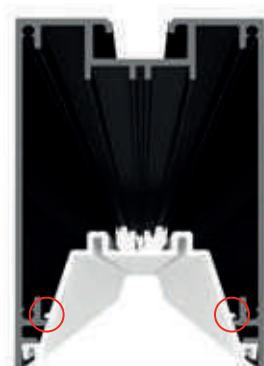
Internal side cavities for holding profile joints and for the corner brackets in the case of requiring luminaires with angles.

Aluminium profile (98% purity), both in a lacquered and textured finishing (Qualicoat), available in black or white. Also available in silver anodised (Qualanod) of 15 microns.

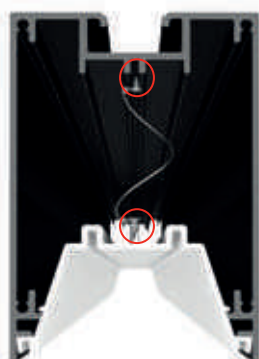
Profiles and covers up to 6 metres with no joints.

Rigid led strip (Vossloh-Schwabe) for Up&Down lighting, offering constant current and up to 9000 lumens per metre (170 Lm/W). We offer a 5 year guarantee.

## Front removable tray system with triple fall protection (safety anchorage)



Profile clipping with profile tray



Safety cable to hold tray to profile



Pin screw from tray to profile

Aluminium profiles with our “easy-ON” system, offering an IP65 and designed for hanging, surfaces and embedding.

Front removable tray with triple safety system (except “Mini” models).

MOSCU  
MAGNUM



MUNICH  
MAGNUM



MOSCU  
MAGNUM  
SLIM



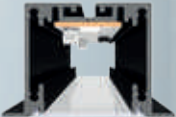
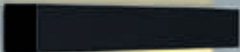
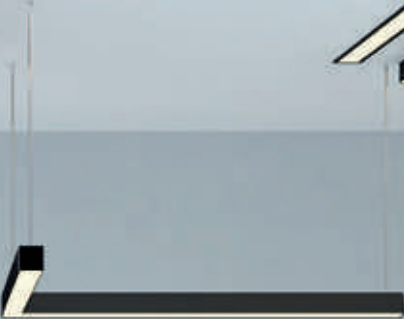
MUNICH  
MAGNUM  
SLIM



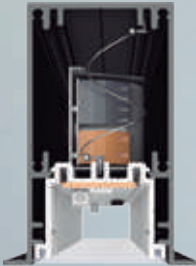
MOSCU  
MINI



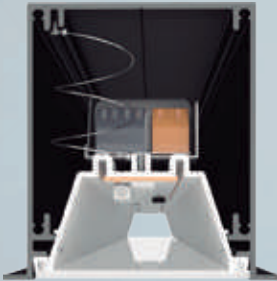
MUNICH  
MINI



MOSCU  
MINI



MOSCU  
MAGNUM  
SLIM



MOSCU  
MAGNUM



MUNICH  
MINI



MUNICH  
MAGNUM  
SLIM

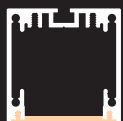


MUNICH  
MAGNUM





big profiles for surfaces and hanging



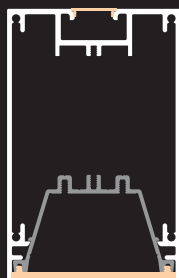
MUNICH  
MINI

192



MUNICH  
MAGNUM  
SLIM

194



MUNICH  
MAGNUM

196



MUNICH  
SLIM

198



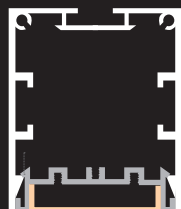
MUNICH

200



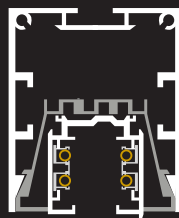
BOX

202



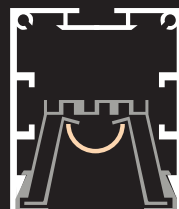
GALES  
with OPTIC

203



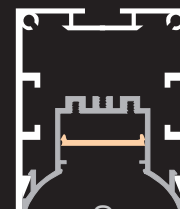
GALES  
with  
3-phase rail

204



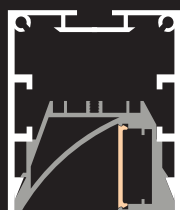
GALES  
with tray  
and trellis

205



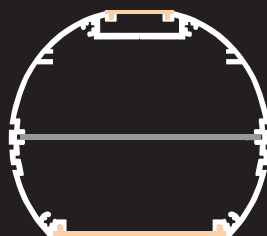
GALES  
with RECESSED  
TRAY

206



GALES  
ASYMMETRIC

207



SICILIA

208



HOUSTON

210



BRUSELAS

211

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium. It is suitable for using on ceilings or for hanging luminaires and even on walls.

This profile can be combined with our "easy-ON" cover, which offers a waterproofing of IP65 to the luminaire, which is extremely useful in areas with high humidity levels.

We have also available Black&White cover, transparent or frosted microprism which improve glare and UGR levels.

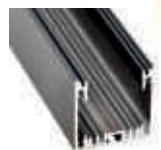
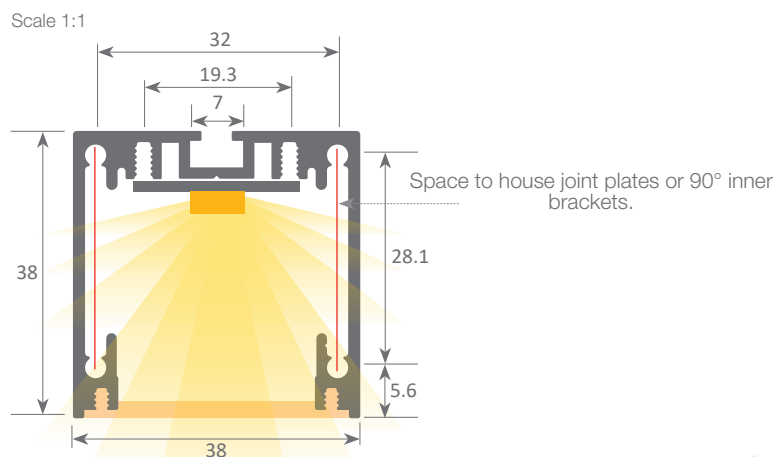
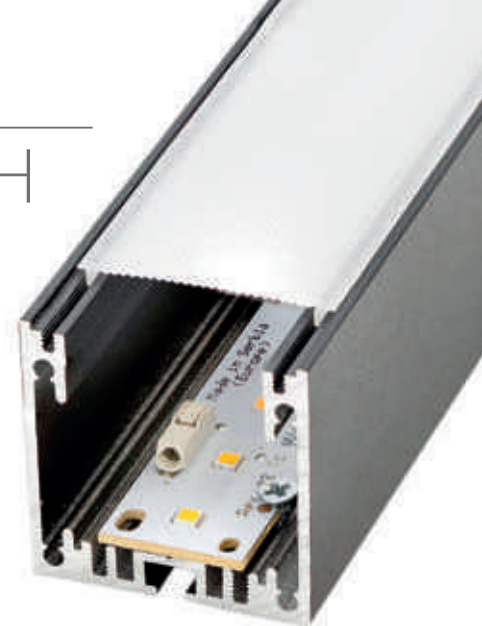
Both profile and cover are available in bars of 6m length, allowing us to carry out long projects with no joints.

**We offer 10 years of guarantee on profiles and 4 years of guarantee on covers.**

## MUNICH MINI



IP65



### Aluminium profile

16.002	anodised silver	6m
16.003	lacquered black	6m
16.004	lacquered white	6m



### Aluminium endcaps

19.228	anodised silver
19.229	lacquered textured black
19.230	lacquered textured white



### 90° angle bracket

22.035	aluminium	set of 2 units
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### 120° angle bracket

22.004	steel
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### "easy-ON" polycarbonate cover

18.070	frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



### Inner plate

22.034	aluminium	set of 2 units
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### Flat bracket

22.058	aluminium	set of 2 units
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Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.835kg / Alloy: 6063 / Perimeter: 352mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0





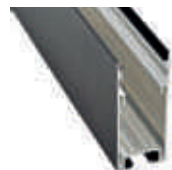
Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and silver anodised. Its inner tray (where we can find the led and the power supply) can be removed from the front which means easy maintenance. It is suitable for hanging, surfaces and walls (providing Up&Down lighting); drivers can be housed inside. This profile can be combined with a white frosted cover ("easy-ON" system), to achieve a waterproofing of IP65 (very necessary in damp zones). We also have available Black&White covers and also microprism versions in transparent or frosted, which improve glare and UGR levels. Both profile and covers are available in lengths of 6m, allowing us to carry out long installations without joints.

**We offer a 10 year guarantee on the profiles and 4 year guarantee on the covers.**

## MUNICH MAGNUM SLIM



IP65



### Aluminium profile

17.004	anodised silver	6m
17.005	lacquered white	6m
17.006	lacquered black	6m



### Aluminium tray

15.007	lacquered white	6m
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### "easy-ON" polycarbonate cover (Down)

18.070	frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



### Aluminium endcaps without hole

19.234	anodised silver	
19.235	lacquered textured white	
19.236	lacquered textured black	



### Methacrylate cover (UP)

18.014	transparent	2m
18.015	frosted	2m
18.016	transparent	6m
18.017	frosted	6m



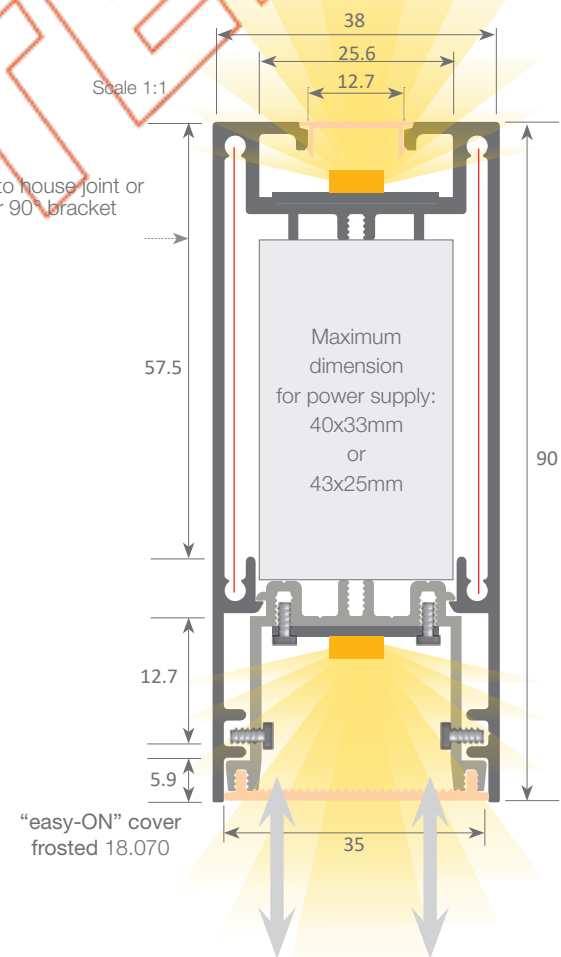
### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



### Safety cable

22.039	steel 18cm
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System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.464Kg / Alloy: 6063 / Perimeter: 483mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0



**90° angle bracket**  
22.049 aluminium

set of 2 units



**Flat bracket**  
22.059 aluminium

set of 2 units



**Inner plate**  
22.050 aluminium

set of 2 units



Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and silver anodised. Its inner tray (where we can find the led and the power supply) can be removed from the front which means easy maintenance. It is suitable for hanging, surfaces and walls (providing Up&Down lighting); drivers can be housed inside. This profile can be combined with a white frosted cover ("easy-ON" system), to achieve a waterproofing of IP65 (very necessary in damp zones). We also have available microprism covers both in transparent and frosted, which improve glare and UGR levels. Both profile and covers are available in lengths of 6m, allowing us to carry out long installations without joints.

**We offer a 10 year guarantee on the profiles and 4 year guarantee on the covers.**

## MUNICH MAGNUM



IP65



### Aluminium profile

16.008	anodised silver	6m
16.009	lacquered white	6m
16.010	lacquered black	6m



### Aluminium tray

14.007	lacquered white	6m
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### "easy-ON" polycarbonate cover (Down)

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m



### Aluminium endcaps

19.243	anodised silver	
19.244	lacquered textured white	
19.245	lacquered textured black	



### Methacrylate cover (UP)

18.014	transparent	2m
18.015	frosted	2m
18.016	transparent	6m
18.017	frosted	6m



### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



### 90° angle bracket

22.054	aluminium	set of 2 units
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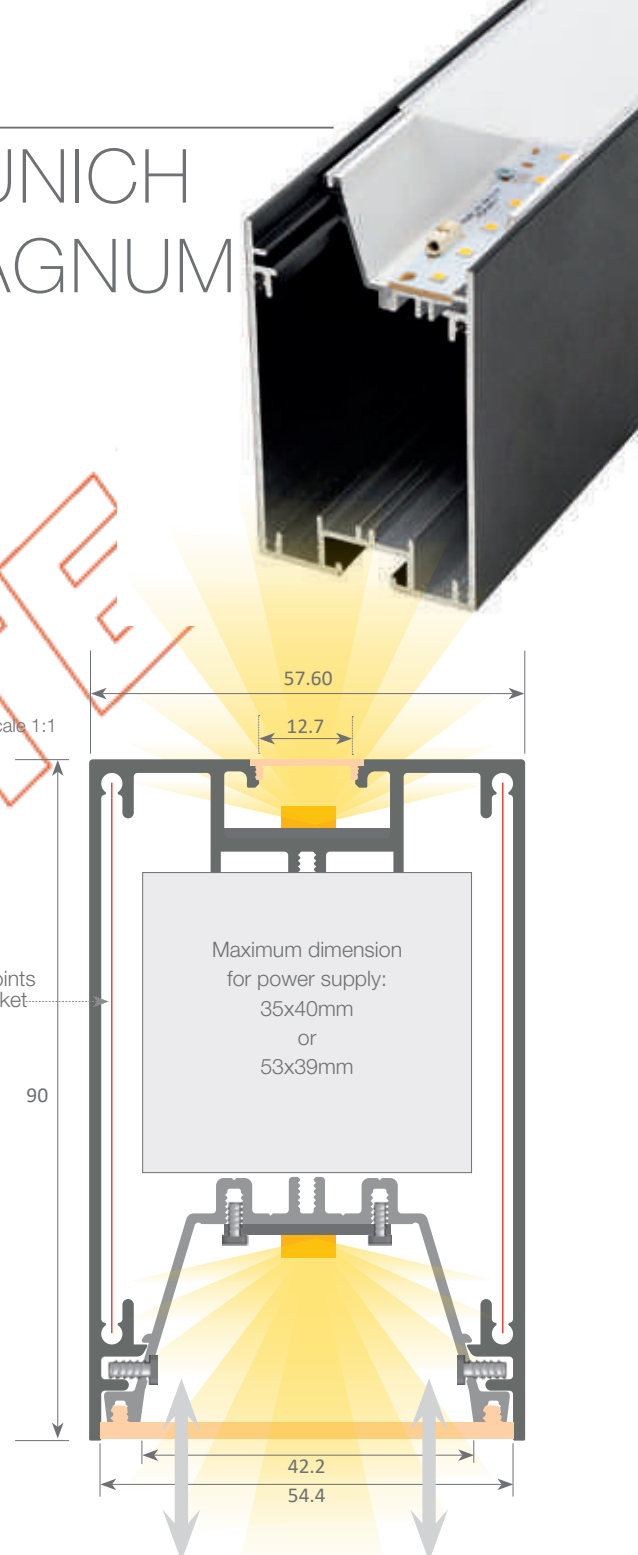
### Flat bracket

22.046	aluminium	set of 2 units
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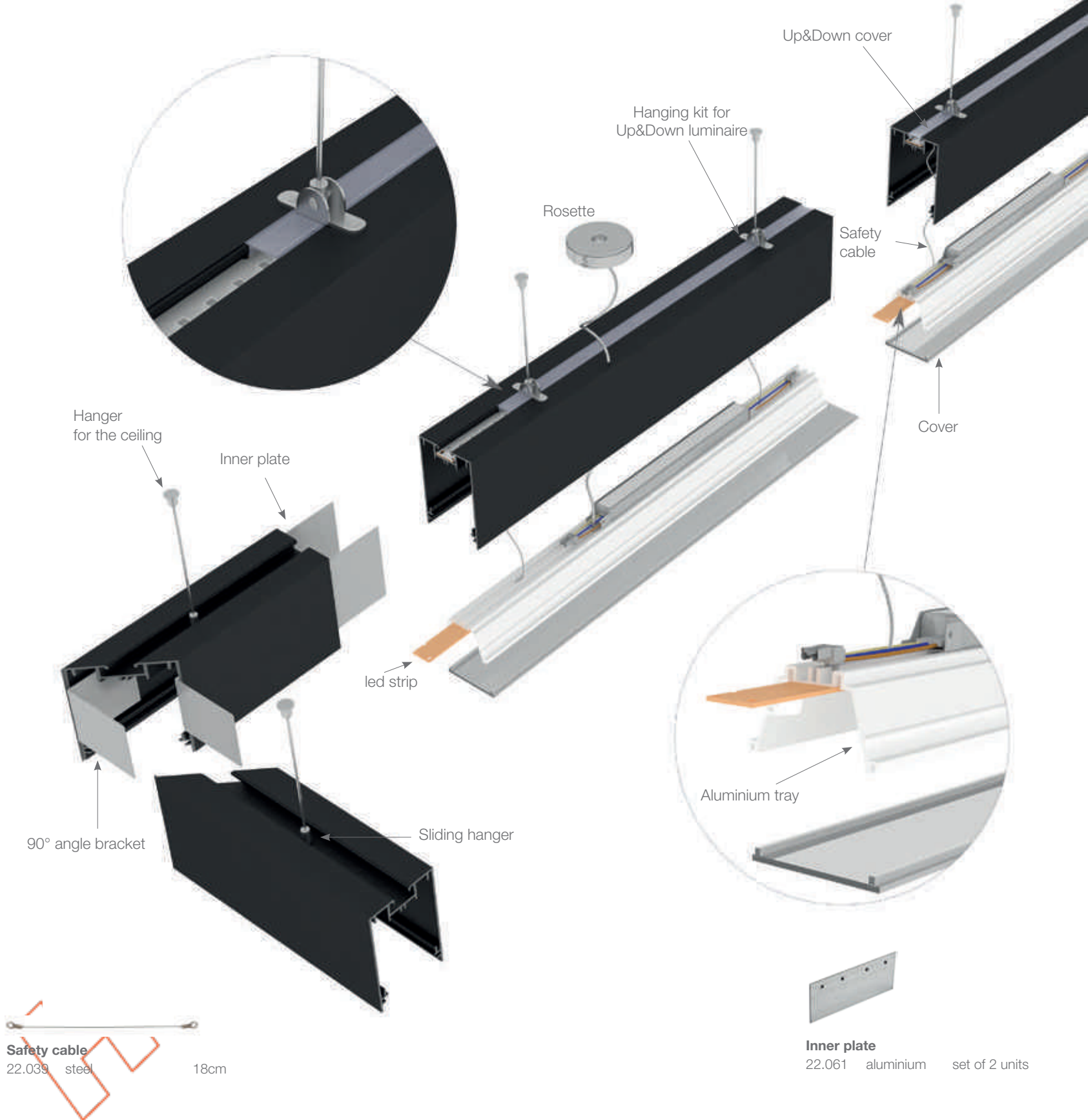


Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.917kg / Alloy: 6063 / Perimeter: 643mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and silver anodised. It is also supplied in lacquered white or textured black and ideal for using on ceilings or for hanging luminaires and even on walls (providing Up&Down lighting). Drivers can be housed inside.

This profile can be combined with our "easy-ON" frosted white cover, which offers an IP65 to the luminaire, which is extremely useful in areas with high humidity levels (in this case, not suitable for our Black&White profiles). We also have available transparent and frosted microprism covers which improve glare and UGR levels.

Both profile and cover are available in 6m lengths, allowing us to carry out long installations with no joints.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## MUNICH SLIM



IP65



### Aluminium profile

17.001	anodised silver	6m
17.002	lacquered black	6m
17.003	lacquered white	6m



### Inner plate

22.036	aluminium 200cm
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### "easy-ON" polycarbonate cover (Down)

18.070	frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



### Aluminium endcaps without hole

19.231	anodised silver
19.232	lacquered textured white
19.233	lacquered textured black



### "easy-ON" polycarbonate cover (Up)

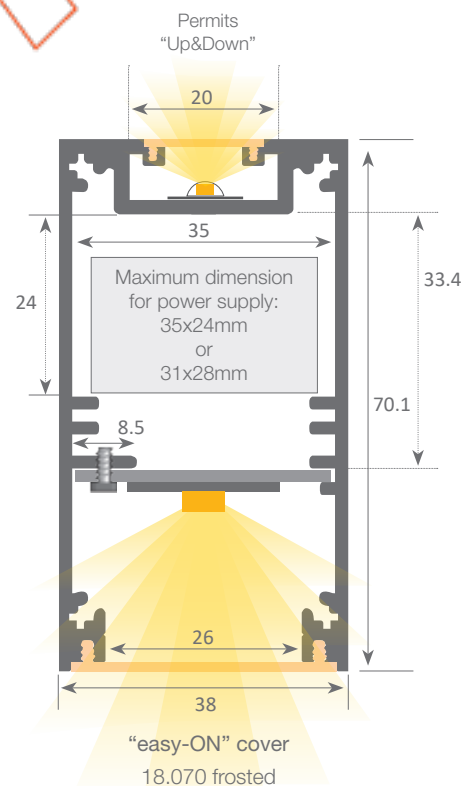
18.001	transparent	2m
18.002	opal	2m
18.008	opaque grey	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units

Scale 1:1



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.16 Kg / Alloy: 6063 / Perimeter: 524mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0





Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and silver anodised. It is also supplied in lacquered white or textured black and ideal for using on ceilings or for hanging luminaires and even on walls (providing Up&Down lighting). Drivers can be housed inside.

This profile can be combined with our "easy-ON" frosted white cover, which offers an IP65 to the luminaire, which is extremely useful in areas with high humidity levels (in this case, not suitable for our Black&White profiles). We also have available transparent and frosted microprism covers which improve glare and UGR levels.

Both profile and cover are available in 6m lengths, allowing us to carry out long installations without joints.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## MUNICH



IP65



Scale 1:1



### Aluminium profile

16.005	anodised silver	6m
16.006	lacquered black	6m
16.007	lacquered white	6m



### Inner plate 200 cm

22.042	aluminium
22.051	for 40mm optic rigid strips



### "easy-ON" polycarbonate cover (Down)

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m



### Plastic endcaps without hole

19.240	grey
19.241	black
19.242	white



### "easy-ON" polycarbonate cover (Up)

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m



### Aluminium endcaps

19.237	silver anodised
19.238	lacquered black
19.239	lacquered white



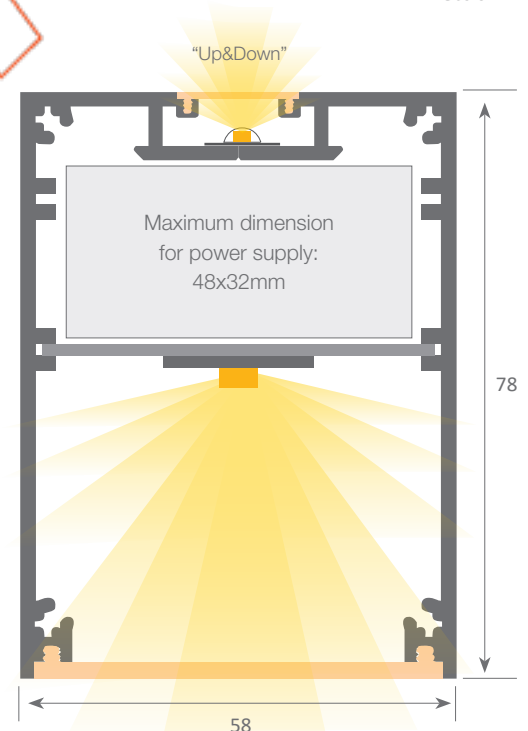
### Safety cable

22.039	steel	180m
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### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.350Kg / Alloy: 6063 / Perimeter: 604mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0

## “UGR” covers

### New microprismatic covers

The type of cover we choose for a luminaire doesn't only affect its appearance or its light transmission capacities, but also the Unified Glare Ratings (whose acronym is UGR).

#### Formula for the calculation of the UGR

$$UGR = 8 \log \left[ \frac{0.25}{L_b} \sum \left( \frac{L^2 \omega}{p^2} \right) \right]$$

The UGR, (Unified Glare Rating) quantifies the amount of glare inflicted by a source of light by applying a numerical value which ranges between 10 and 30 (where 10 defines an absence of glare, while on other hand, 30 is the cipher applied when glare reaches its peak value).

Some projects require an in-depth knowledge of this concept in order to be executed.

In theory, glare values depend on the quantity, position, brightness and size of the glaring light sources and the types of lighting which the human eye is accustomed to. In the case of luminaires which have lamps fully or partially visible according to the range of critical viewing angles, not only should they be limited to their average brightness, but also the lamps should have adequate covers.

Standard covers (smooth) may not comply with UGR values on the basis of current standards (see pages 346 and 347).

Luz Negra's new transparent, frosted and opal microprismatic covers manage to reduce the UGR, obtaining lower glare rates and at the same time scattering the luminaire's inner light. Therefore we achieve almost the double amount of light transmission than with an opal white cover.

Here at Luz Negra we can also supply metal covers, also referred to as trellis covers, which optimize the use of light, while also improving considerably the UGR rating.

Here in our headquarters at Barcelona we have a laboratory which offers a Dark Room and also a goniometre, while at the same time it is equipped with all the technical means necessary to carry out UGR measurements.



### New microprismatic transparent covers



TRELLIS cover

SMOOTH cover

MICROPRISMATIC cover

STRIPED LINE cover





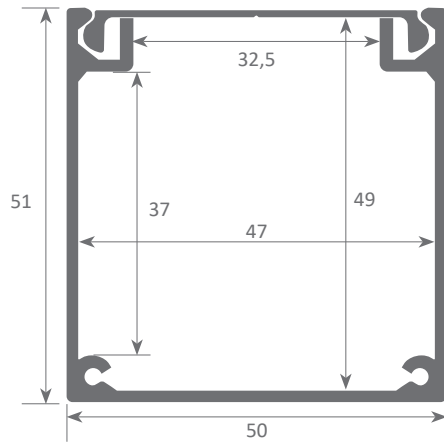
# led profile by Luz Negra

A linear led profile, consisting of a base and aluminium cover, whose objective is to conceal accessories like power supplies, controllers, connection strips, etc. It is mainly used for ceiling mounting in order to hide the power supplies in the case of smaller luminaires which aren't big enough to house them inside their structure.

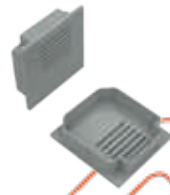
**We offer a 2 year guarantee.**

## BOX

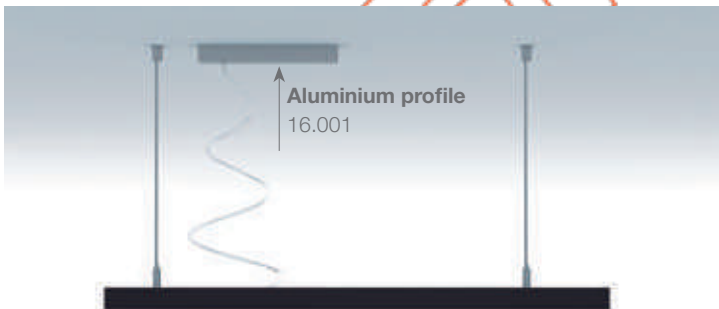
Scale 1:1



**Aluminium profile**  
16.001 anodised silver 4m



**Plastic vented endcaps**  
10.212 grey



## GALES with OPTIC

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside.

This profile can be used with different types of optics (see page 307).

The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**



### Aluminium profile

16.011	lacquered grey	3.40m
16.012	lacquered white	3.40m
16.013	lacquered black	3.40m



### Internal tray

14.014	textured grey	3.40m
14.015	textured white	3.40m
14.026	textured black	3.40m



### Optic

See page 307



### Profile joints

22.044	steel
--------	-------

set of 2 units



### Aluminium endcaps

19.246	grey
19.247	white
19.248	black



### Hanging kit

21.001	silver
21.002	white
21.003	black

set of 2 units  
set of 2 units  
set of 2 units

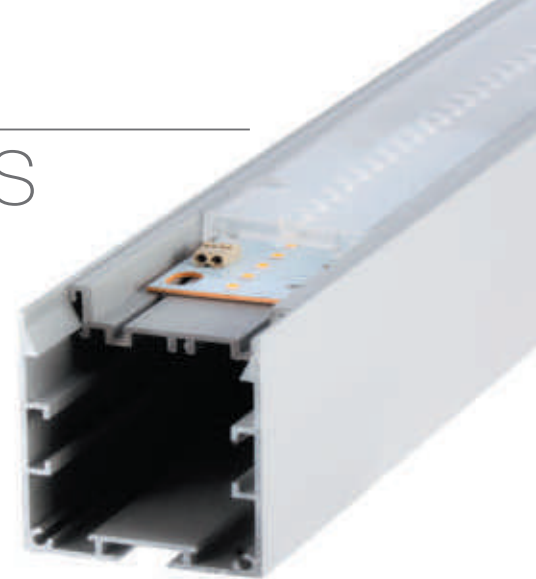


### Safety cable

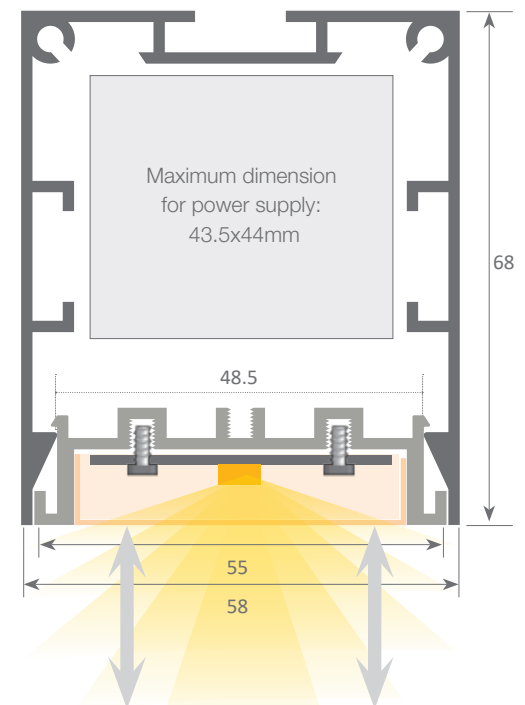
22.039	steel	18cm
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Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.126 Kg. / Alloy: 6063 / Perimeter: 514 / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



Scale 1:1



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in white or textured black. Drivers can be housed inside.

The tray can be removed from the front which means easy maintenance. Also, this tray can be combined also with a "Global" 3 phase rail in order to hang spotlights. For safety measures, we recommend fixing a braided cable from the profile base to the tray. Both profile and cover are available in 3.4m lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## GALES

with tray and "Global"  
3-phase rail



### Aluminium profile

16.012 lacquered white 3.40m  
16.013 lacquered black 3.40m



### Profile joints

22.044 steel

set of 2 units



### Trellis

16.019 textured white 3m  
16.020 textured black 3m



### Aluminium tray

14.016 textured white 3.40m  
14.017 textured black 3.40m



### Aluminium endcaps

19.247 white  
19.248 black



### Hanging kit

21.001 silver  
21.002 white  
21.003 black

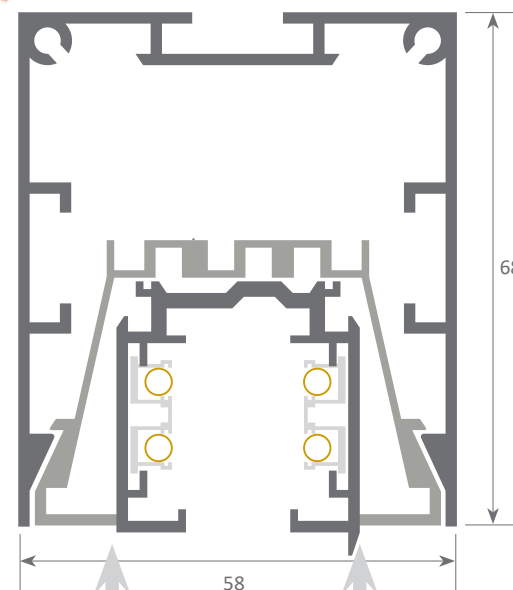
set of 2 units  
set of 2 units  
set of 2 units



### Safety cable

22.039 steel 18cm

Scale 1:1



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



# led profile by Luz Negra

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in white or textured black. Drivers can be housed inside.

The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend fixing a braided cable from the profile base to the tray. Both profile and cover are available in 3.4m lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## GALES

with tray and trellis



### Aluminium profile

16.012	lacquered white	3.40m
16.013	lacquered black	3.40m



### Aluminium tray

14.016	textured white	3.40m
14.017	textured black	3.40m



### Trellis

16.016	textured white	1.124m
16.017	textured black	1.124m



### Profile joints

22.044	steel
--------	-------

set of 2 units

Scale 1:1



### Aluminium endcaps

19.247	white
19.248	black



### Hanging kit

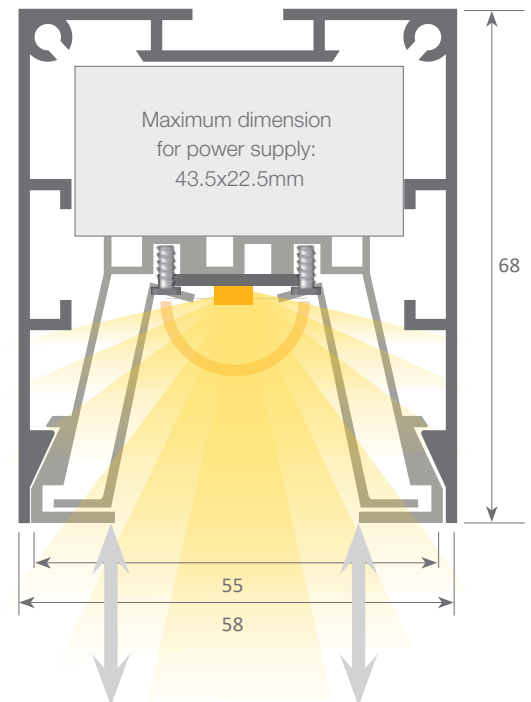
21.001	silver
21.002	white
21.003	black

set of 2 units  
set of 2 units  
set of 2 units



### Safety cable

22.039	steel	18cm
--------	-------	------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5

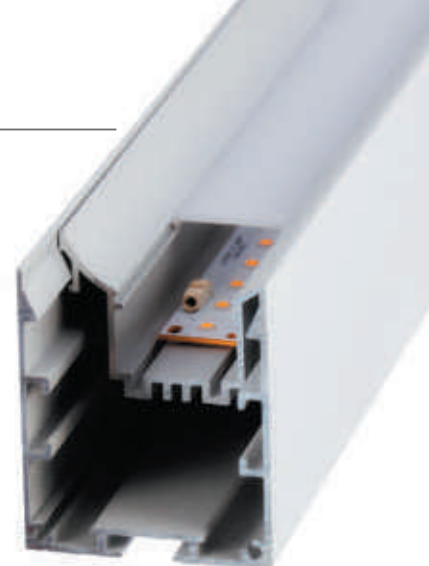
# led profile by Luz Negra

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside.

The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## GALES with RECESSED TRAY



### Aluminium profile

16.011	lacquered grey	3.40m
16.012	lacquered white	3.40m
16.013	lacquered black	3.40m



### Recessed tray

14.018	textured grey	3.40m
14.019	textured white	3.40m
14.025	textured black	3.40m



### Polycarbonate cover

18.079	frosted	3.40m
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### Profile joints

22.044	steel	set of 2 units
--------	-------	----------------



### Aluminium endcaps

19.246	grey
19.247	white
19.248	black



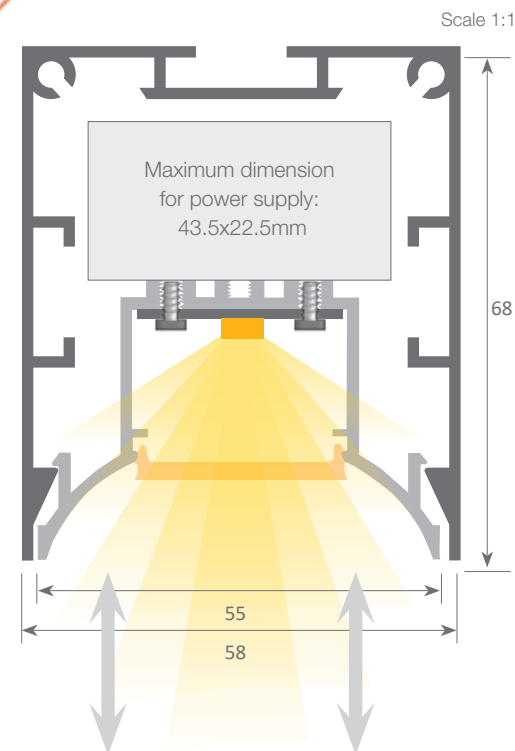
### Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



### Safety cable

22.039	steel	18 cm
--------	-------	-------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Alloy: 6060 / Anodising minimum: 15 microns / Purity aluminium: 95-98% / Treatment: T-5

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside.

The internal tray allows us to screw the 20mm rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## GALES ASYMMETRIC



### Aluminium profile

16.012	lacquered white	3.40m
16.013	lacquered black	3.40m
16.011	lacquered grey	3.40m



### Aluminium tray

14.022	textured white	3.40m
14.023	textured black	3.40m
14.024	textured grey	3.40m



### Polycarbonate cover

18.079	frosted	3.40m
--------	---------	-------



### Aluminium endcaps

19.246	grey
19.247	white
19.248	black



### Profile joints

22.044	steel
--------	-------

set of 2 units



### Hanging kit

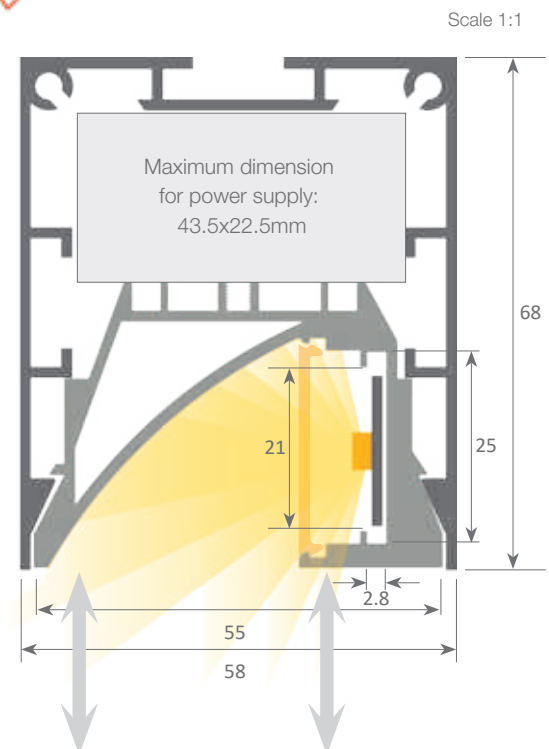
21.001	silver
21.002	white
21.003	black

set of 2 units  
set of 2 units  
set of 2 units



### Safety cable

22.039	steel	18cm
--------	-------	------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



# led profile by Luz Negra

Our PROFESSIONAL led profile series for hanging applications is manufactured in high purity aluminium and silver anodised, and provides Up&Down lighting. Drivers can be housed inside.

This profile can be combined with our "easy-ON" frosted white cover, which offers an IP65 to the luminaire, which is extremely useful in areas with high humidity levels. We also have available transparent and frosted microprisma covers which improve glare and UGR levels.

Both profile and cover are available in 6 metre lengths which means that long installations can be carried out without any joints.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## SICILIA



IP65



### Aluminium profile

13.021 anodised silver

6m



### Inner plate 200cm

22.055 wide

22.056 narrow



### "easy-ON" polycarbonate cover (Down)

18.074 frosted 6m

18.075 transparent microprism 6m

18.076 frosted microprism 6m



### Aluminium endcaps

19.106 anodised silver



### "easy-ON" polycarbonate cover (Up)

18.001 transparent 2m

18.002 opal 2m

18.003 frosted 2m

18.004 transparent 6m

18.005 opal 6m

18.006 frosted 6m

### Hanging kit

21.001 silver

set of 2 units

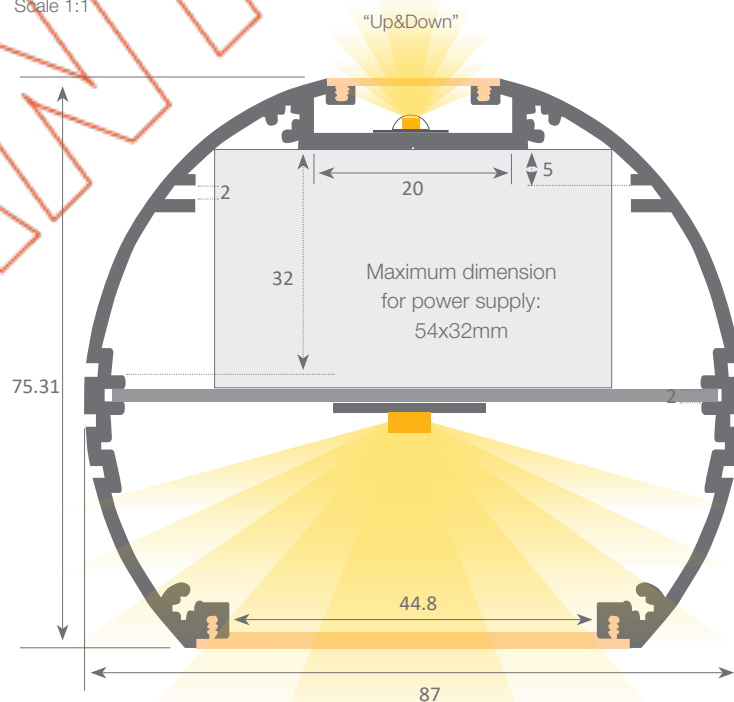
21.002 white

set of 2 units

21.003 black

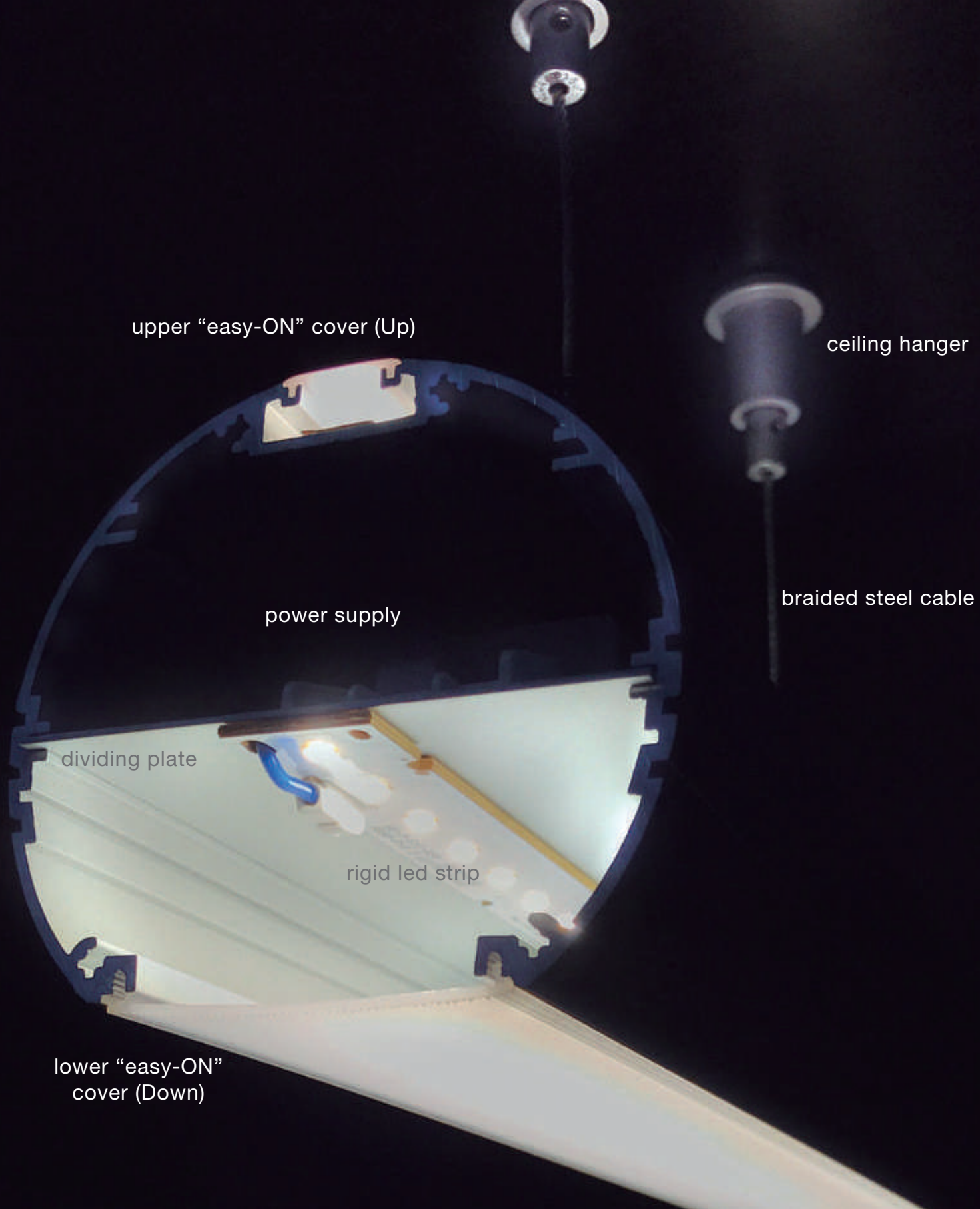
set of 2 units

Scale 1:1



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.539Kg / Alloy: 6063 / Perimeter: 627mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



upper “easy-ON” cover (Up)

ceiling hanger

braided steel cable

power supply

dividing plate

rigid led strip

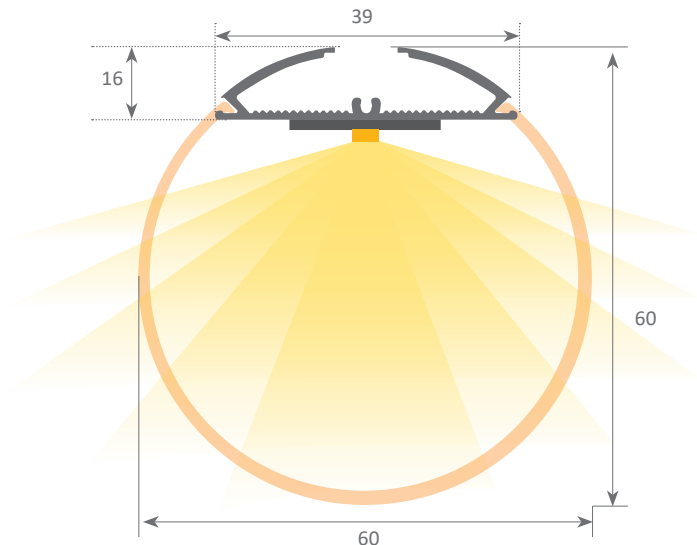
lower “easy-ON”  
cover (Down)

Our PROFESSIONAL led profile series for hanging applications is manufactured in high purity aluminium and silver anodised. Drivers cannot be housed inside.

This profile, when combined with a very large opal white cover, offers a very high level of luminosity. Both profile and cover are available in 3 metre lengths.

**We offer a 2 year guarantee on our profiles and covers.**

Scale 1:1



## Aluminium profile

13.022 anodised silver 3m



## Plastic endcaps

19.107 without hole



## Polycarbonate cover

18.069 opal 3m



## Hanging kit

21.001	silver	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0.381Kg / Alloy: 6063 / Perimeter: 141.8mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0

# HOUSTON



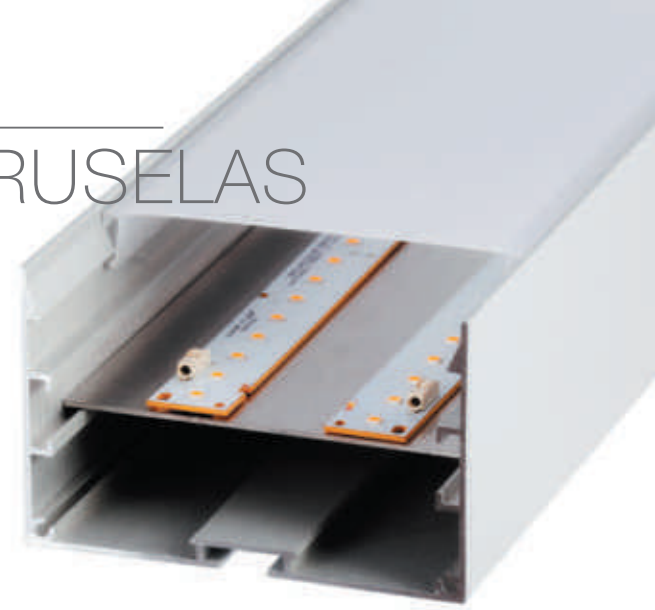


Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in textured white or grey. This is a very wide profile which permits us to install a double rigid led strip in order to achieve high levels of luminosity (especially indicated for shopping malls, supermarkets, etc.).

Drivers can be housed inside. The covers are available in frosted white. Both profile and cover are available in 3.4m lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## BRUSELAS



**Aluminium profile**

16.014 textured grey 3.40m  
16.015 textured white 3.40m



**Inner plate**

22.045 aluminium



**Polycarbonate cover**

18.080 frosted 3.40m



**Aluminium endcaps**

19.249 grey  
19.250 white



**Profile joint**

22.044 steel



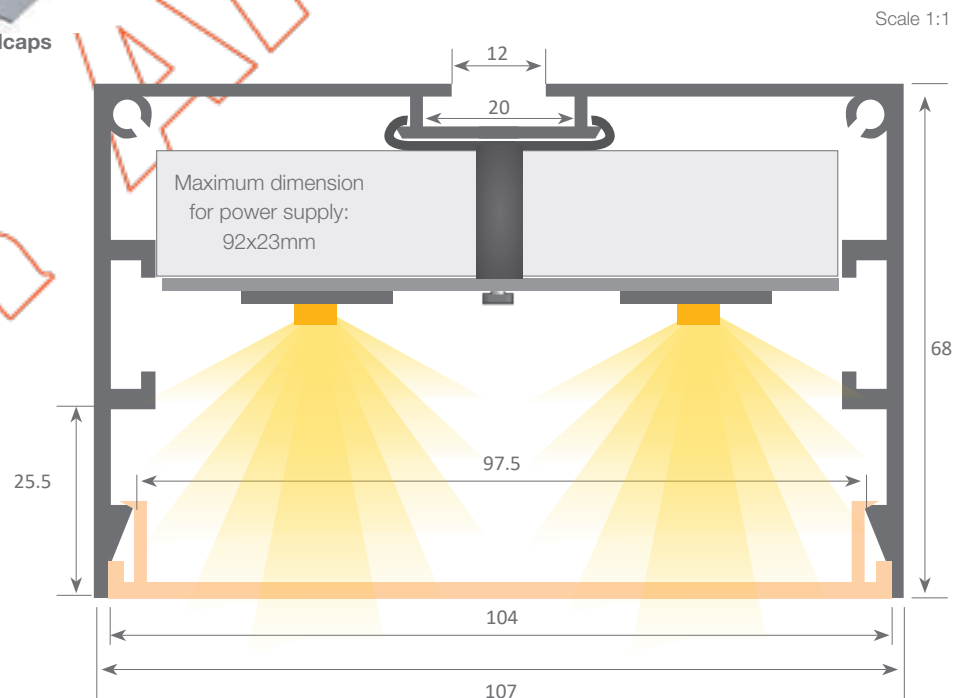
**Support plate**

22.047 steel



**Hanging kit**

21.001 silver set of 2 units  
21.002 white set of 2 units  
21.003 black set of 2 units



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.323Kg / Alloy: 6063 / Perimeter: 612mm / Anodizing minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5

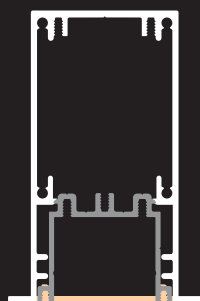
big profiles for recessing





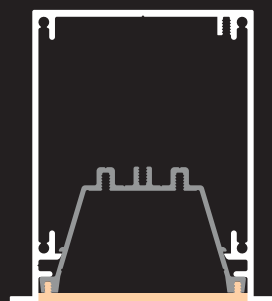
MOSCU  
MINI

214



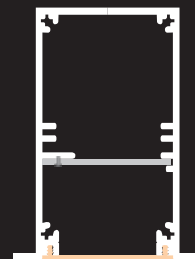
MOSCU  
MAGNUM  
SLIM

216



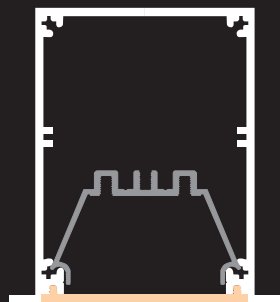
MOSCU  
MAGNUM

218



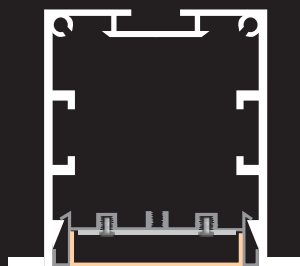
MOSCU  
SLIM

220



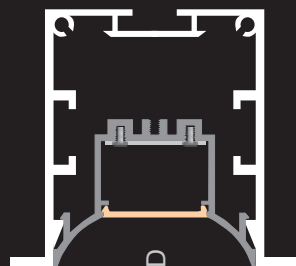
MOSCU

221



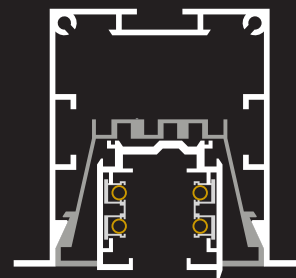
KRAKOVIA  
with OPTIC

222



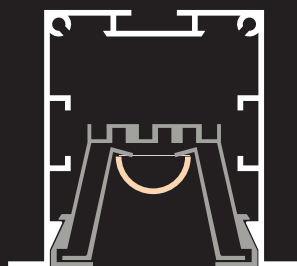
KRAKOVIA  
with RECESSED  
TRAY

223



KRAKOVIA  
with  
3-phase rail

224



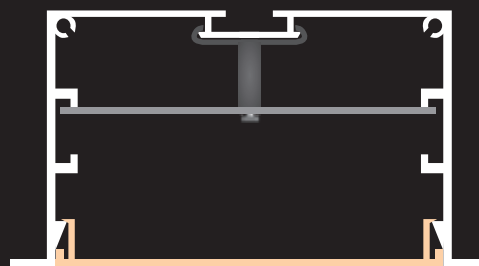
KRAKOVIA  
with tray  
and trellis

225



KRAKOVIA  
ASYMMETRIC

226



ANDORRA

227

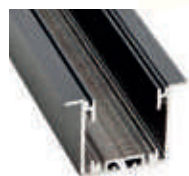
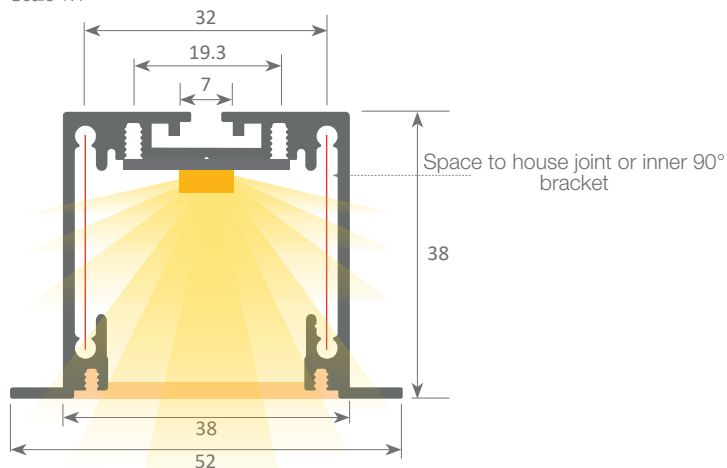


Our PROFESIONAL led profile series for embedding is manufactured in high purity silver anodised and black or white lacquered textured aluminium.

Its cover ("easy-ON" system) in frosted white finishing, which offers an IP65 to the luminaire, is extremely useful in areas with high humidity levels (not suitable for white or black lacquered finishings). Covers are also available in frosted or transparent microprism, which improve glare and also higher UGR levels. Both profile and cover are available in 6m length, allowing us to carry out long projects without joints.

**We offer a 10 year guarantee on the profile and a 4 year guarantee on the covers.**

Scale 1:1



## Aluminium profile

14.001	silver anodised	6m
14.002	lacquered white	6m
14.003	lacquered black	6m



## Aluminium endcaps

19.186	silver anodised
19.187	lacquered white
19.188	lacquered black



## Fixing bracket

20.023 for shallow recessing profiles



## "easy-ON" polycarbonate cover

18.070	"easy-ON" frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



## Fixing bracket

20.042 steel

# MOSCU MINI

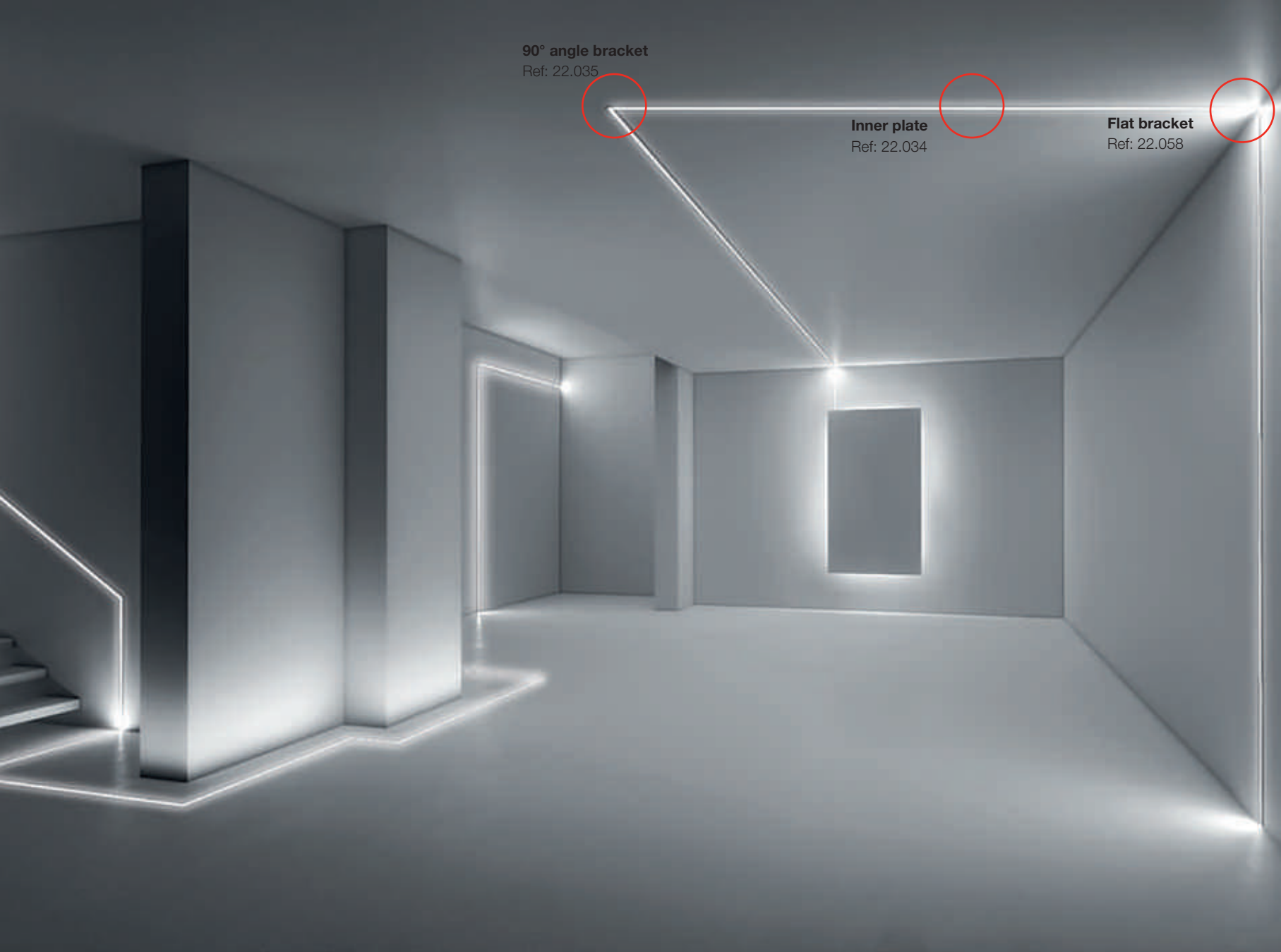


IP65



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 0,862Kg / Alloy: 6063 / Perimeter: 380mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0



**90° angle bracket**  
Ref: 22.035

**Inner plate**  
Ref: 22.034

**Flat bracket**  
Ref: 22.058



**90° angle bracket**  
22.035 aluminium set of 2 units



**Inner plate**  
22.034 aluminium set of 2 units



**Flat bracket**  
22.058 aluminium set of 2 units

Our PROFESIONAL led profile series for embedding is manufactured in high purity silver anodised and black or white lacquered textured aluminium. Its internal tray, where the led and the power supply are placed, can be removed from the front which means easy maintenance. Drivers can be housed inside. Its "easy-ON" system cover in frosted white finishing, which offers an IP65 to the luminaire, is extremely useful in areas with high humidity levels .

Covers are also available in frosted or transparent microprism, which improves glare and also UGR levels. Both profile and cover are available in 6m lengths, allowing us to carry out long projects without joints.

**We offer a 10 year guarantee on the profile and a 4 year guarantee on the covers.**

## MOSCU MAGNUM SLIM



IP65



**Aluminium profile**

15.004	anodised silver	6 m
15.005	lacquered white	6 m
15.006	lacquered black	6 m



**Aluminium tray**

15.007	lacquered white	6 m
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**"easy-ON" polycarbonate cover**

18.070	frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



**90° angle bracket**

22.040	aluminium	set of 2 units
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Space to house joint or inner 90° bracket



**Aluminium endcaps**

19.195	anodised silver
19.196	lacquered white
19.197	lacquered black



**Flat bracket**

22.057	aluminium	set of 2 units
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**Inner plate**

22.041	aluminium	set of 2 units
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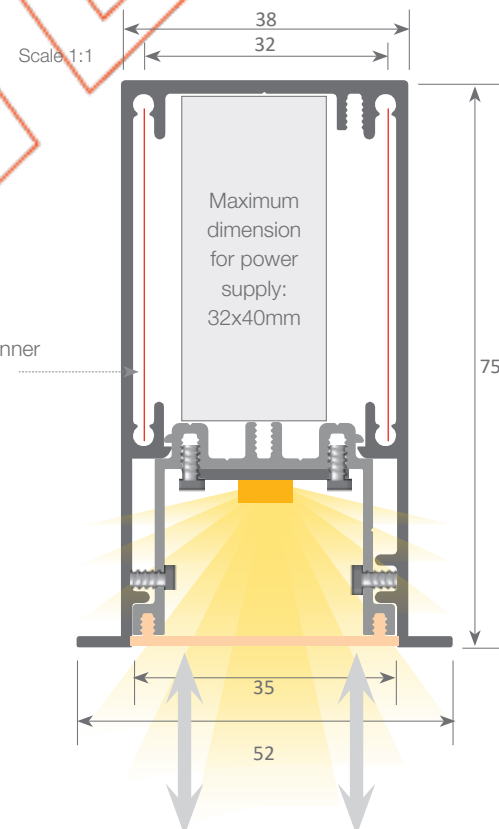
**Safety cable**

22.039	steel	18 cm
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**Fixing bracket**

20.045	steel
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System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.464Kg / Alloy: 6063 / Perimeter: 483mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0



**90° angle bracket**  
22.040

**Flat bracket**  
22.057

Our PROFESIONAL led profile series for embedding is manufactured in high purity silver anodised and black or white lacquered textured aluminium. Its internal tray, where the led and the power supply are placed, can be removed from the front which means easy maintenance. Drivers can be housed inside. Its "easy-ON" system cover in frosted white finishing, which offers an IP65 to the luminaire, is extremely useful in areas with high humidity levels .

Covers are also available in frosted or transparent microprism, which improves glare and also UGR levels. Both profile and cover are available in 6m lengths, allowing us to carry out long projects without joints.

**We offer a 10 year guarantee on the profile and a 4 year guarantee on the covers.**

## MOSCU MAGNUM



IP65



### Aluminium profile

14.004	anodised silver	6 m
14.005	lacquered black	6 m
14.006	lacquered white	6 m



### Aluminium tray

14.007	lacquered white	6m
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### Fixing bracket

20.044	steel	
--------	-------	--



### "easy-ON" polycarbonate cover

18.074	frosted	6 m
18.075	transparent microprism	6 m
18.076	frosted microprism	6 m



### Aluminium endcaps

19.192	silver anodised	
19.193	lacquered white	
19.194	lacquered black	



### Inner plate

22.038	aluminium	set of 2 pieces
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### Safety cable

22.039	steel	18 cm
--------	-------	-------



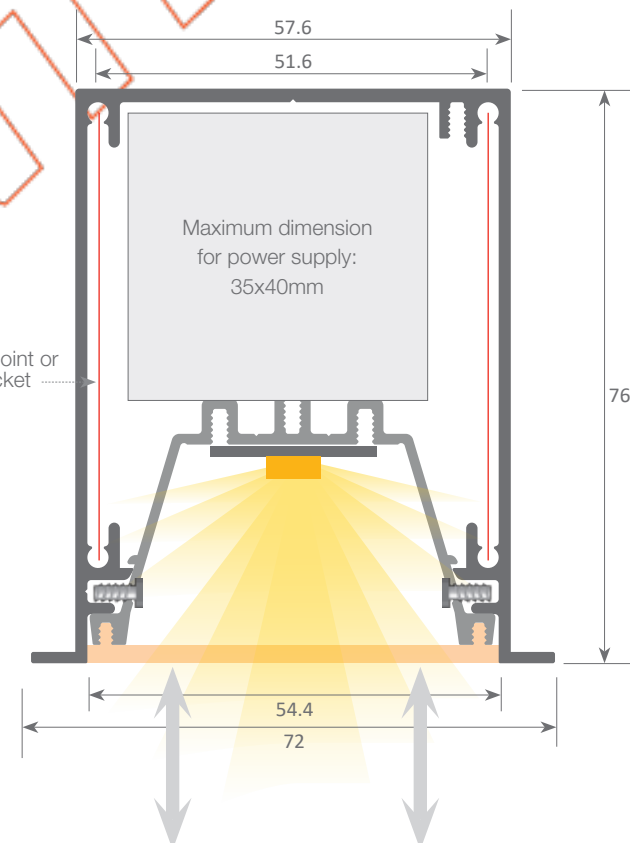
### 90° angle bracket

22.037	aluminium	set of 2 pieces
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### Flat bracket

22.059	aluminium	set of 2 units
--------	-----------	----------------




System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.666Kg / Alloy: 6063 / Perimeter: 535mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0





**90° angle bracket**  
22.037

**Flat bracket**  
22.059



Our PROFESIONAL led profile series for embedding is manufactured in high purity silver anodised and black or white lacquered textured aluminium. Drivers can be housed inside.

This profile can be combined with our "easy-ON" frosted white cover, which offers an IP65 to the luminaire. This is extremely useful in areas with high humidity levels. We also have available transparent and frosted microprism covers which improve glare and UGR levels.

Both profile and cover are available in 6m length allowing us to carry out long projects without joints.

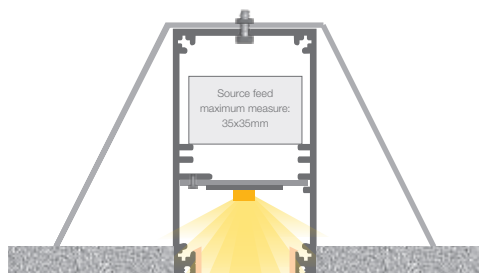
**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## MOSCU SLIM



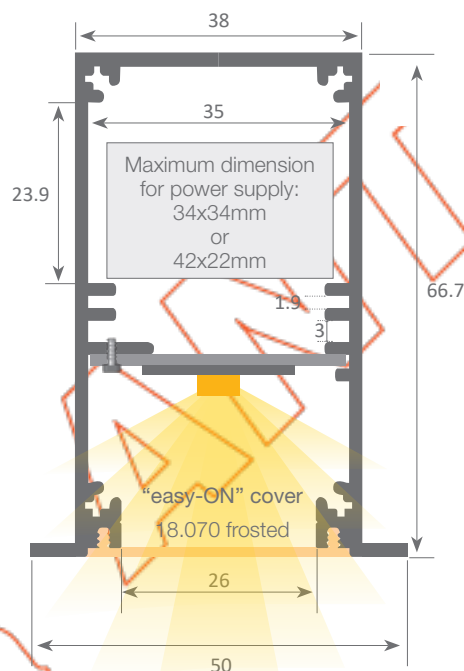
IP65

Scale 1:1



Microprism cover

18.071 transparent - 18.072 frosted



### Aluminium profile

15.001	silver anodised	6 m
15.002	lacquered white	6 m
15.003	lacquered black	6 m



### "easy-ON" polycarbonate cover

18.070	frosted	6m
18.071	transparent microprism	6m
18.072	frosted microprism	6m
18.073	Black&White	6m



### Aluminium endcaps

19.189	silver anodised
19.190	lacquered white
19.191	lacquered black



### Fixing bracket

20.043 steel



### Inner plate

22.036 aluminium 200 cm



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.048Kg / Alloy: 6063 / Perimeter: 483mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0

# led profile by Luz Negra

Our PROFESSIONAL led profile series for recessing is manufactured in high purity silver anodised and black or white lacquered textured aluminium. Drivers can be housed inside.

This profile can be combined with our "easy-ON" frosted white cover, which offers an IP65 to the luminaire, and it is extremely useful in areas with high humidity levels. We also have available transparent and frosted microprism covers which improve glare and UGR levels.

Both profile and cover are available in 6 metre lengths which permit long installations to be carried out without requiring joints.

**We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.**

## MOSCU



IP65



### Aluminium profile

14.008	anodised silver	6m
14.009	lacquered white	6m
14.010	lacquered black	6m



### Fixing bracket

20.046	steel	
Measurements: 60x75mm		



### "easy-ON" polycarbonate cover

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m



### Inner plate

22.042	aluminium	200 cm
22.043	for optic rigid strip 40mm	200 cm

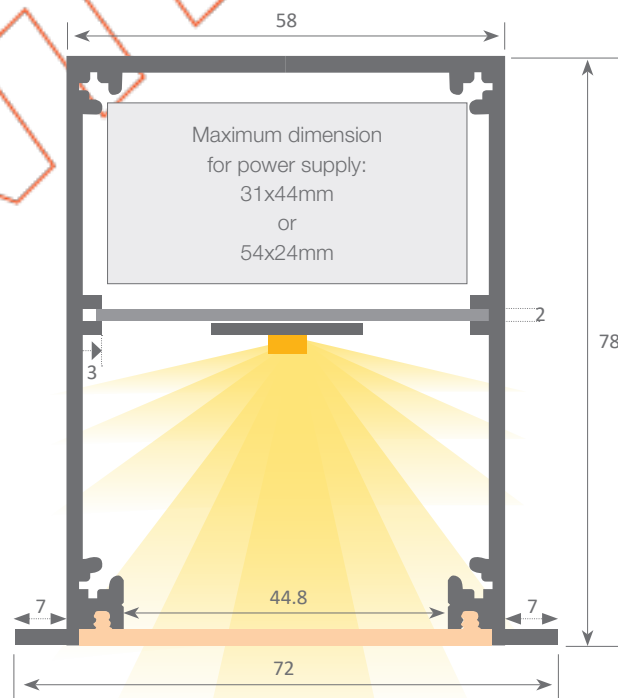


### Aluminium endcaps

19.198	silver anodised
19.199	lacquered white
19.200	lacquered black



Scale 1:1



Patente Europea  
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.239Kg / Alloy: 6063 / Perimeter: 544mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0

Our PROFESSIONAL led profile series for recessing applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside.

This profile can be used with different types of optics (see page 307).

The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## KRAKOVIA with OPTIC



### Aluminium profile

14.011	textured grey	3.40m
14.012	textured white	3.40m
14.013	textured black	3.40m



### Internal tray

14.014	textured grey	3.40m
14.015	textured white	3.40m
14.026	textured black	3.40m



### Optic

See page 307



### Joint between profiles

22.044	steel	set of 2 units
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### Aluminium endcaps

19.201	grey
19.202	white
19.203	black



### Fixing bracket

20.047	steel
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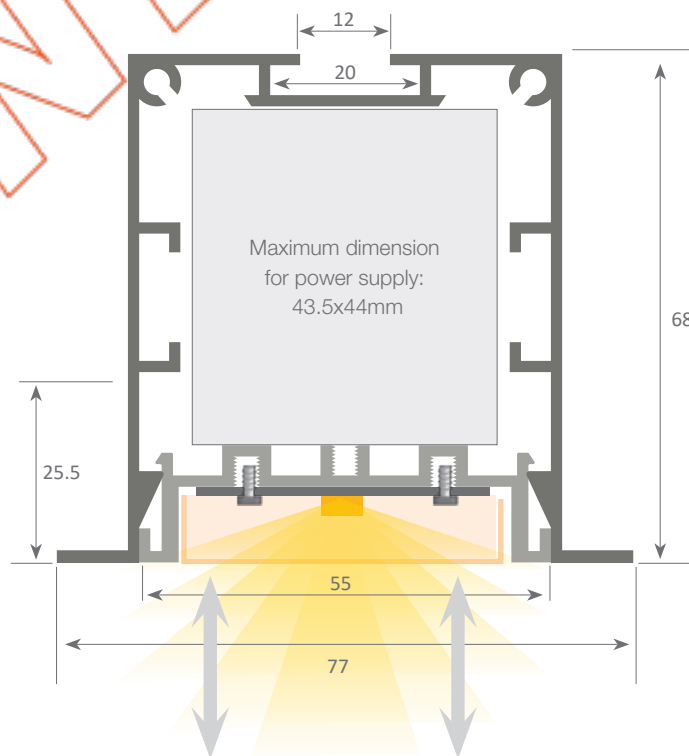


### Safety cable

22.039	steel	18 cm
--------	-------	-------



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6063 / Perimeter: 562mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



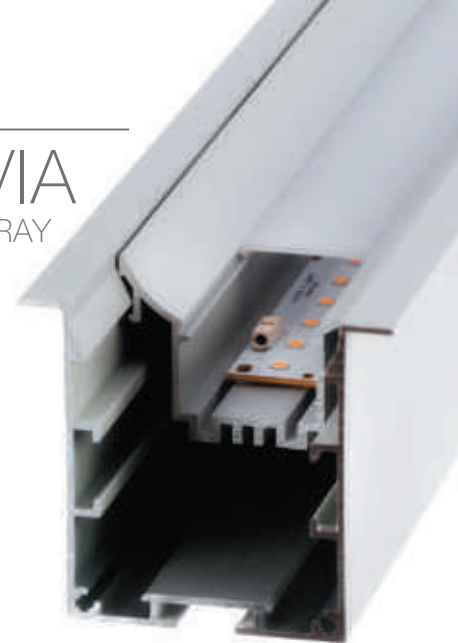
System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



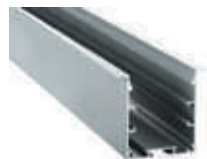
Our PROFESSIONAL led profile series for recessing applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside. The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety measures, we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## KRAKOVIA with RECESSED TRAY



Scale 1:1



### Aluminium profile

14.011	textured grey	3.40m
14.012	textured white	3.40m
14.013	textured black	3.40m



### Recessed tray

14.018	textured grey	3.40m
14.019	textured white	3.40m
14.025	textured black	3.40m



### Polycarbonate cover

18.079	frosted	3.40m
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### Joint between profiles

22.044	steel	set of 2 units
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### Aluminium endcaps

19.201	grey
19.202	white
19.203	black



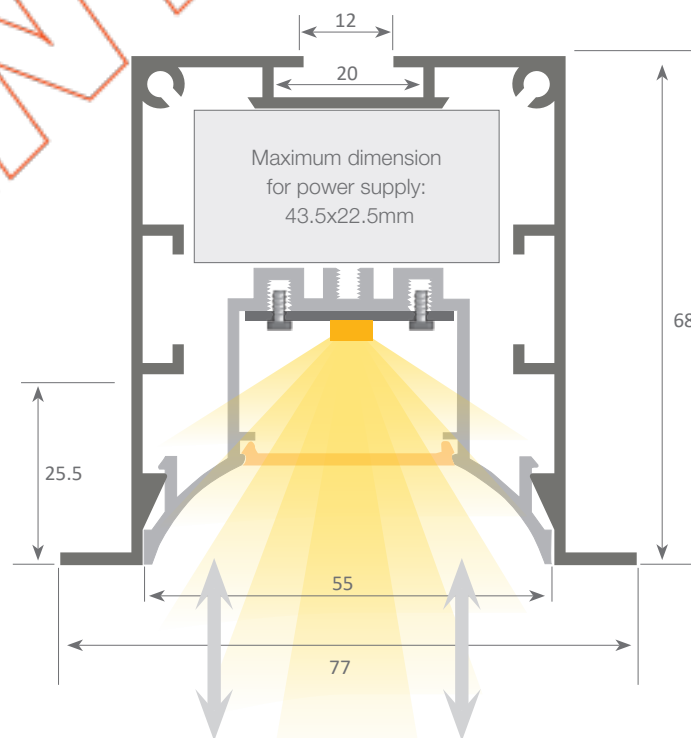
### Fixing bracket

20.047	steel
--------	-------



### Safety cable

22.039	steel	18cm
--------	-------	------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6063 / Perimeter: 562mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5

Our PROFESSIONAL led profile series for recessing applications is manufactured in high purity aluminium and lacquered in white or textured black. Drivers can be housed inside. The tray can be removed from the front which means easy maintenance. Also, this tray can be combined also with a "Global" 3 phase rail in order to hang spotlights. For safety we recommend fising a braided cable from the profile base to the tray. Both profile and cover are available in 3.4m lengths. **We offer a 2 year guarantee on the profiles and covers.**

## KRAKOVIA

with tray and "Global"  
3-phase rail



**Aluminium profile**

14.012	textured white	3.40m
14.013	textured black	3.40m



**Aluminium tray**

14.016	textured white	3.40m
14.017	textured black	3.40m



**Trellis**

16.019	textured white	3m
16.020	textured black	3m



**Joint between profiles**

22.044	steel	set of 2 units
--------	-------	----------------



**Aluminium endcaps**

19.202	white
19.203	black



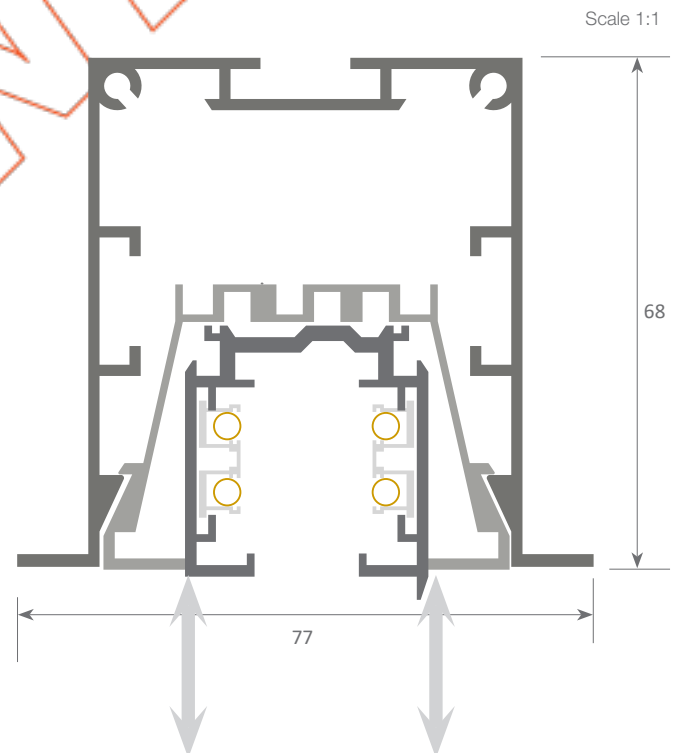
**Fixing bracket**

20.047	steel
--------	-------



**Safety cable**

22.039	steel	18 cm
--------	-------	-------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



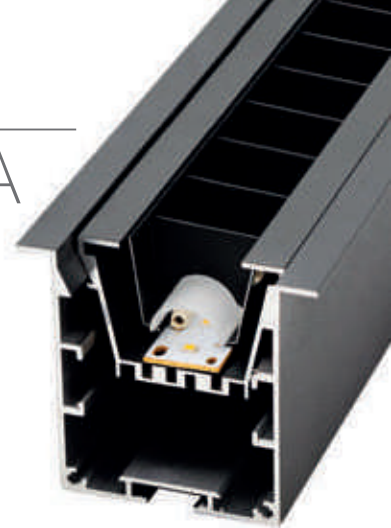
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5

Our PROFESSIONAL led profile series for recessing applications is manufactured in high purity aluminium and lacquered in white or textured black. Drivers can be housed inside. The internal tray allows us to screw the rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety we recommend fising a braided cable from the profile base to the tray. Both profile and cover are available in 3.4m lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## KRAKOVIA

with tray and trellis



**Aluminium profile**

14.012	textured white	3.40m
14.013	textured black	3.40m



**Aluminium tray**

14.016	textured white	3.40m
14.017	textured black	3.40m



**Trellis**

16.016	textured white	1.124m
16.017	textured black	1.124m



**Joint between profiles**

22.044	steel	set of 2 units
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**Aluminium endcaps**

19.202	white
19.203	black



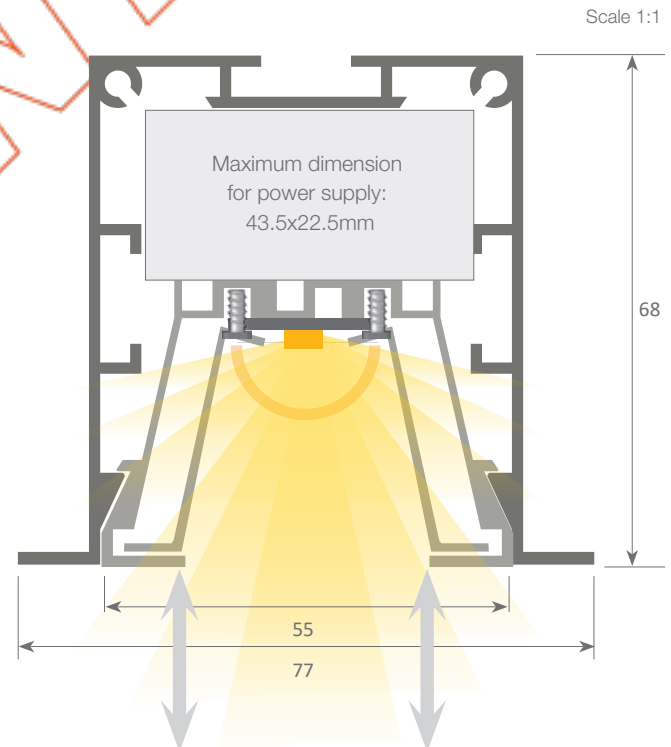
**Fixing bracket**

20.047	steel
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**Safety cable**

22.039	steel	18 cm
--------	-------	-------



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5



Our PROFESSIONAL led profile series for recessing applications is manufactured in high purity aluminium and lacquered in textured white, black and grey. Drivers can be housed inside. The internal tray allows us to screw the 20mm rigid led strip on one side and enables us to house the power supply on the other. At the same time this tray can be removed from the front which means easy maintenance. For safety we recommend the fixing of a braided cable from the profile base to the dissipation tray. Both profile and cover are available in 3.4 metre lengths.

**We offer a 2 year guarantee on the profiles and covers.**

## KRAKOVIA ASYMMETRIC



### Aluminium profile

14.011	textured grey	3.40m
14.012	textured white	3.40m
14.013	textured black	3.40m



### Aluminium tray

14.022	textured white	3.40m
14.023	textured black	3.40m
14.024	textured grey	3.40m



### Polycarbonate cover

18.079	frosted	3.40m
--------	---------	-------



### Joint between profiles

22.044	steel	set of 2 units
--------	-------	----------------



### Aluminium endcaps

19.201	grey
19.202	white
19.203	black



### Safety cable

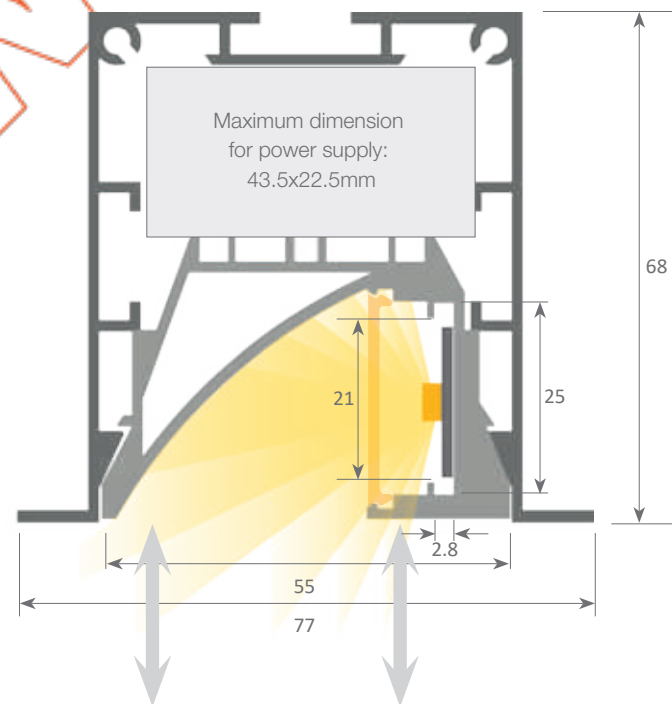
22.039	steel	18 cm
--------	-------	-------



### Fixing bracket

20.047	steel
--------	-------

Scale 1:1



System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.202Kg / Alloy: 6060 / Perimeter: 552mm / Anodising minimum: 15 microns  
Purity aluminium: 95-98% / Treatment: T-5

# led profile by Luz Negra

Our PROFESSIONAL led profile series for recessing is manufactured in high purity aluminium and lacquered in textured white or grey. We recommend combining this profile with our frosted white cover. This is a large profile which has been designed to hold double rigid led strips in order to achieve high levels of luminosity (especially indicated for shopping malls, supermarkets, etc). Drivers can be housed inside.

Profile and cover are available in lengths of 3.4 metres.

**We offer a 2 year guarantee on profiles and covers.**

## ANDORRA



**Aluminium profile**

14.020 textured grey 3.40m  
14.021 textured white 3.40m



**Inner plate**

22.045 aluminium 200cm



**Polycarbonate cover**

18.080 frosted 3.40m



**Joint between profiles**

22.044 steel set of 2 units



**Aluminium endcaps**

19.204 grey  
19.205 white



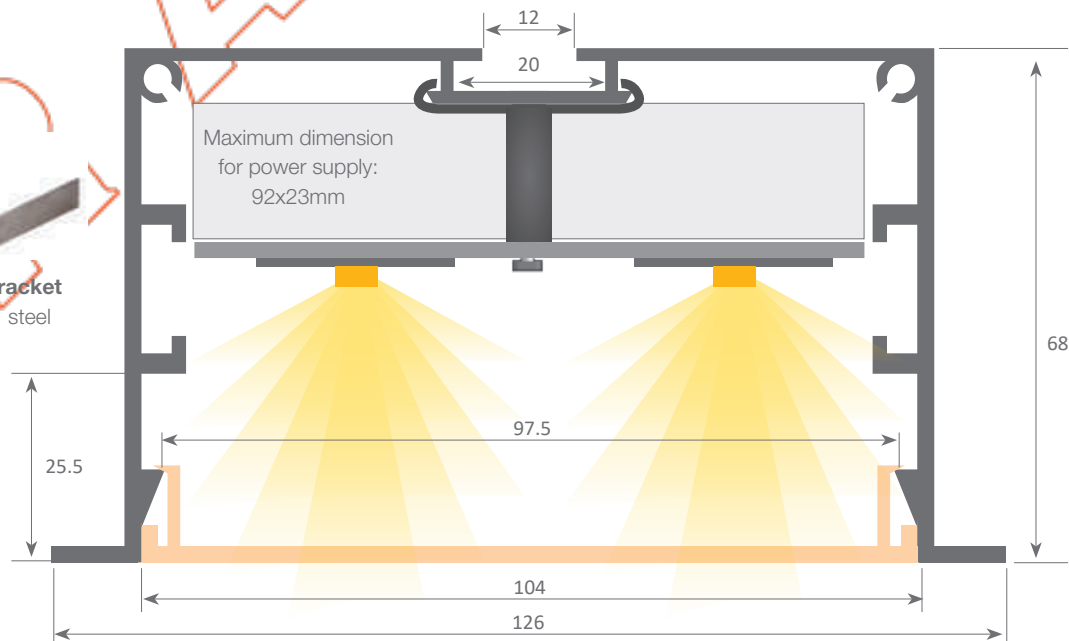
**Fixing bracket**

20.048 steel



**Plate support**

22.047 steel



Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2  
Theoretical weight: 1.399kg / Alloy: 6060 / Perimeter: 650mm / Anodising minimum: 15 microns / Purity aluminium: 95-98% / Treatment: T-5

# shinka **One**light; luminous textile architecture

Innovation  
made  
in  
Spain



Shinka **One**light is a new way of using light where we introduce light boxes with textile fronts instead of using linear and specific light points.

This way, with only just one luminaire, we can achieve the necessary light without having to create different light points in order to avoid interfering with the architectural design of the space.

The vast range of sizes, shapes and colours, make it a luminaire which can be totally personalised.



# shinka **One**light; luminous textile architecture



**Versatile:** suitable for surfaces, walls and hanging applications. It can also be used for recessing.



**Adaptable:** can be used for special geometrical shapes due to the characteristics of both profile and textile.



**Customised:** this luminaire can be used to promote both personalised publicity messages and also decorative lighting statements.



**Dynamic:** inside we can include digital, RG or tunable white (HCL) lighting.



## F10 Profile

Profile for fixing on the perimeter on internal cavities, furniture, etc. This way the textile can be tightened on the front. It is available in 600cm or 300cm lengths and manufactured in silver anodised, textured lacquered white, and textured black. It can be tightened with a silicone strip or a small DUOflex spatula.



## F15 Profile

Profile designed for frames with textile fronts but without lighting. This profile is available in lengths of 300cm and in silver anodised. It can be tightened with a silicone strip. Accessories are available such as brackets and hangers.



## F35 Profile

Profile designed for manufacturing luminaires, with a depth of only 35mm. It is designed to be illuminated with optic methacrylate such as Dotting or similar, using our Granada ecoled on the edge of the methacrylate (LGP). This profile is available in lengths of 600cm and 300cm, in silver anodised, or textured (black or white). It can be tightened with a silicone strip or a small DUOflex spatula. Accessories are available such as brackets and hangers.



## F40 Profile

Profile designed for making cubes, luminous counters or for covering columns and supports with fabric. This profile is available in lengths of 300cm in raw aluminium. It can be tightened with a silicone strip. Accessories are available such as brackets and reinforcements for internal structures.



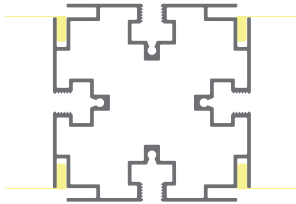
## F45 Profile

Profile designed for manufacturing luminaires, with a depth of only 45mm. It is designed with backlighting using ecoled Sideview (rigid led strips with 170° lens). This profile is available in lengths of 600cm and 300cm lengths, in silver anodised, or textured (black or white). It can be tightened with a silicone strip or a small DUOflex spatula. Accessories are available such as brackets and hangers.



## F50 Profile

Profile for manufacturing luminaires with a depth of 50mm with lighting on 2 sides, and which is illuminated with boxed perimetral rigid strips. This profile is available in lengths of 300cm and 600cm, and in silver anodised. It can be tightened with a silicone strip. Accesories are available such as brackets and reinforcements for internal structure.



## FT80 Profile

It is designed to be illuminated with boxed perimetral rigid strips and supplied in lengths of 300cm. This profile is available in silver anodised. It can be tightened with a silicone strip. Accesories are available such as brackets and reinforcements for internal structure.



## F80 Profile

Profile designed for manufacturing luminaires, with a depth of only 80mm, with lighting on one side or two sides. It is illuminated with boxed perimetral rigid strips (2 sides), or with ecoled sideview at he back (1 side). This profile is available in lengths of 600cm and 300cm lengths, in silver anodised, textured lacquered white or textured black. It can be tightened with a silicone strip or a small DUOflex spatula. Accesories are available such as brackets and reinforcements for internal structure.



## F110 Profile

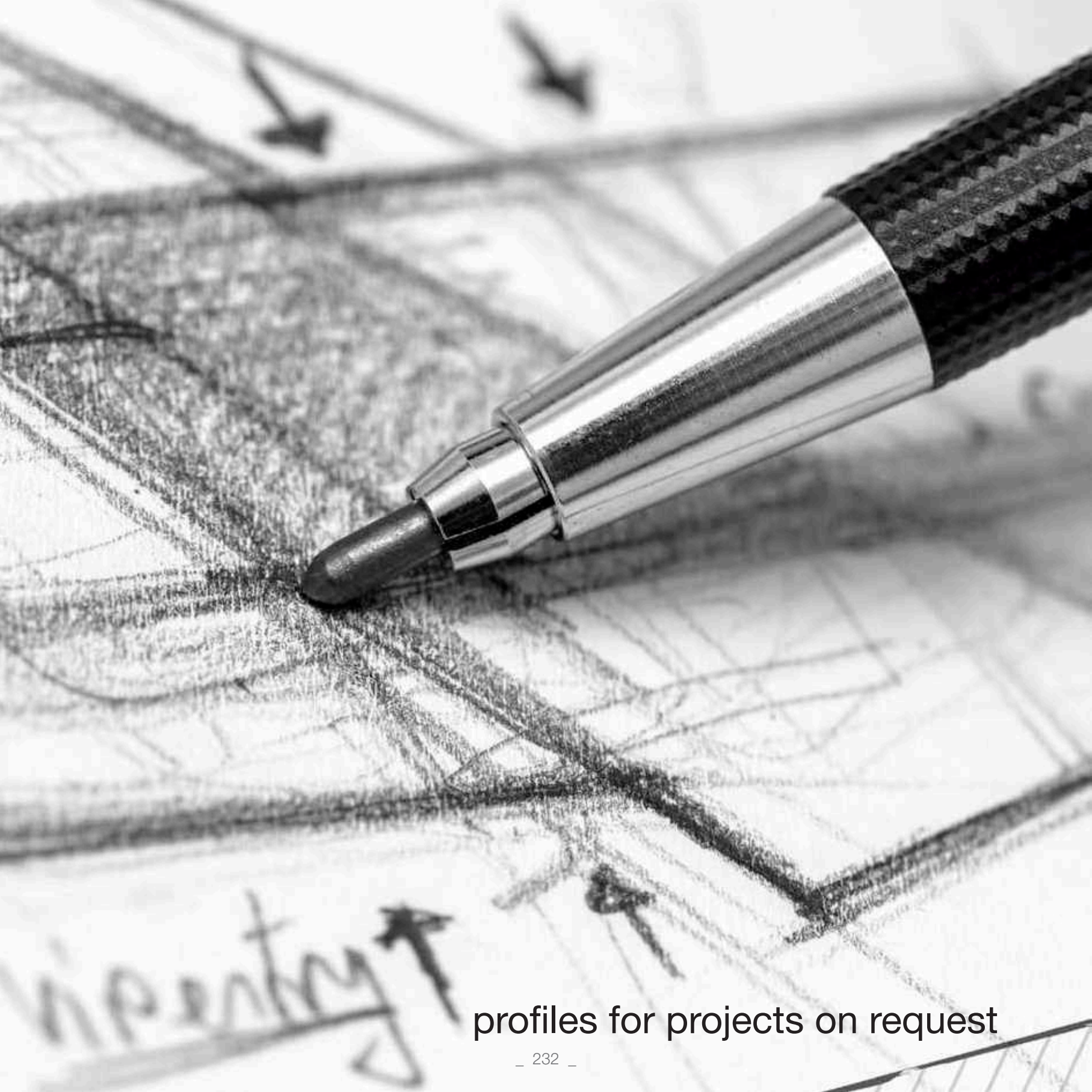
Profile for manufacturing luminaires with a depth of 110mm with lighting on 2 sides, and which is illuminated with boxed perimetral rigid strips. This profile is available in lengths of 300cm and 600cm, and in silver anodised, textured lacquered white or textured black. It can be tightened with a silicone strip or a small DUOflex spatula. Accesories are available such as brackets and reinforcements for internal structure.



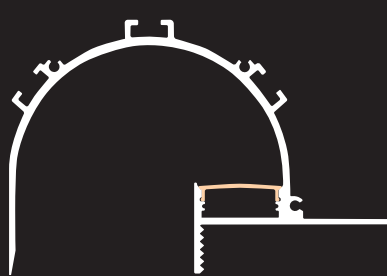
## F150 Profile

Profile designed for manufacturing luminaires, with a depth of only 150mm, with lighting on two sides. It is illuminated with boxed perimetral rigid strips. This profile is available in lengths of 600cm and 300cm lengths, in silver anodised, textured lacquered white or textured black. It can be tightened with a silicone strip or a small DUOflex spatula. Accesories are available such as brackets and reinforcements for internal structure.





profiles for projects on request



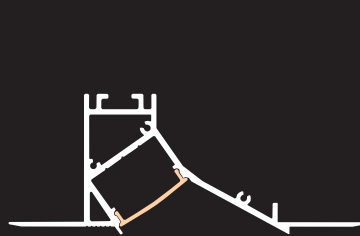
CARACAS

234



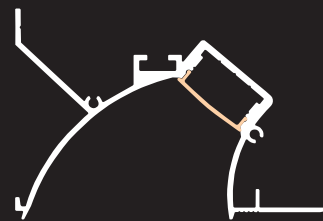
BOGOTA

234



ACAPULCO

235



CANCUN

235



TIJUANA

235



QUITO

236



MEDELLIN

236



BRASILIA

236



SANTIAGO

237



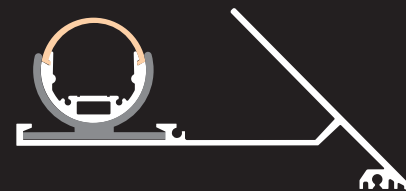
CALI

237



CUZCO

237



LIMA

238



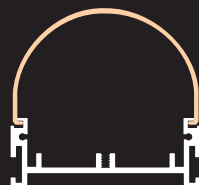
CARTAGO

238



MONTERREY

239



NASAU

239



MONTEVIDEO

239

Here at Luz Negra we have a large number of profile matrices available on request (in addition to being able to manufacture any size according to our clients' needs).

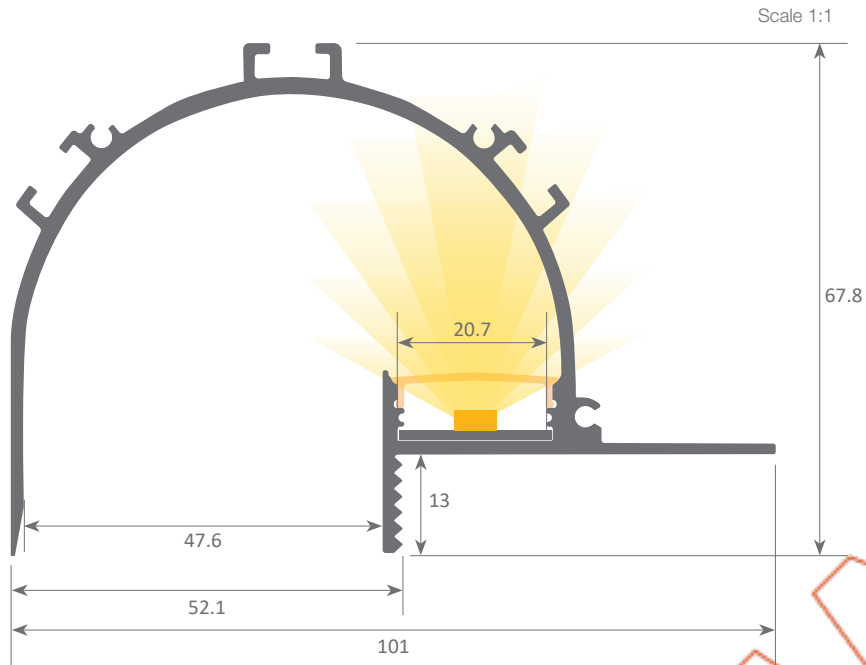
All the profiles in this section are aimed at projects. Although we don't actually hold in our current stock, they can be supplied under petition with an approximate lead time of 60-90 days.

Although the bars are normally manufactured in anodised silver, we can look at different colour options and also the possibility of offering other lengths.

There is a minimum order (MOQ) of approximately 100 metre per reference. If you would like any of these profiles or any another, not already available in our full catalogue, please consult our commercial department and we will surely find the best solution for you.

## CARACAS

Aluminium led profile + cover intended for illuminating ceiling perimeters in rooms, giving diffused and ambience lighting. It is finished off with a layer of plaster making it completely integrated in the wall.



### Aluminium profile

08.011 white 3m

### Cover

18.089 frosted 3m

### Plastic endcaps

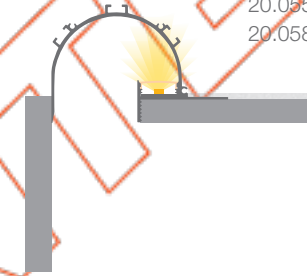
19.255 with hole

19.256 without hole

### Clip

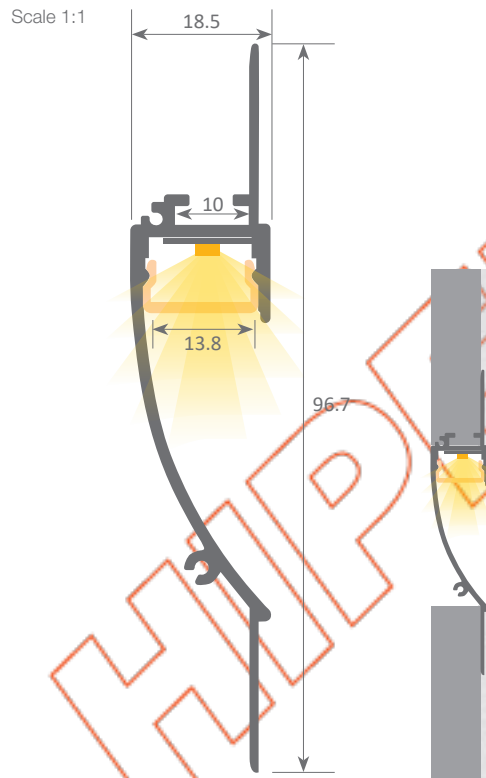
20.055 metal (para fijación a la pared)

20.058 metal (fijación al techo)



## BOGOTA

Aluminum led profile + cover for recessing in walls and designed to offer indirect and soft linear lighting. It is finished off with a layer of plaster making it completely integrated in the wall.



### Aluminium profile

08.010 white 3m

### Cover

18.088 frosted 3m

### Plastic endcaps

19.253 with hole

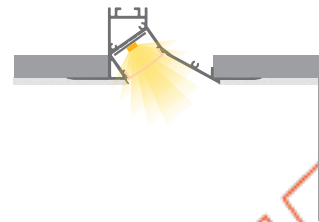
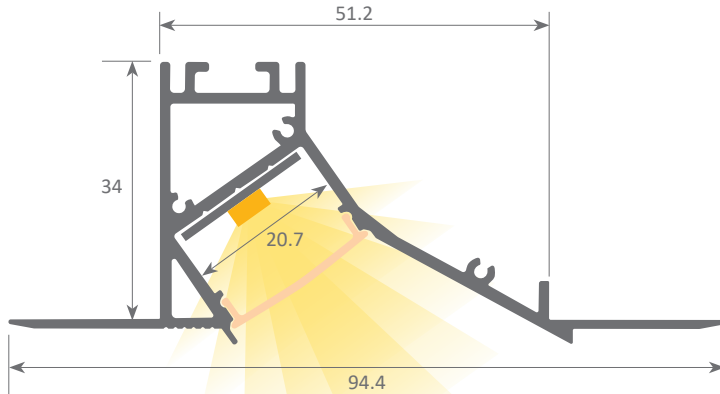
19.254 without hole



Scale 1:1

## ACAPULCO

Aluminum led profile + cover designed to offer indirect and soft linear lighting. It is finished off with a layer of plaster making it completely integrated in the wall. It can be used on walls or ceilings.



### Aluminium profile

08.012 white 3m

### Cover

18.090 frosted 3m

### Plastic endcaps

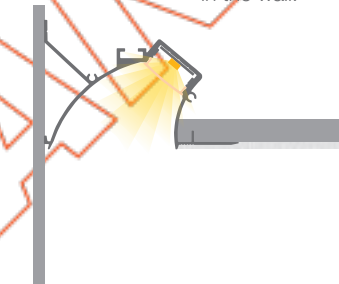
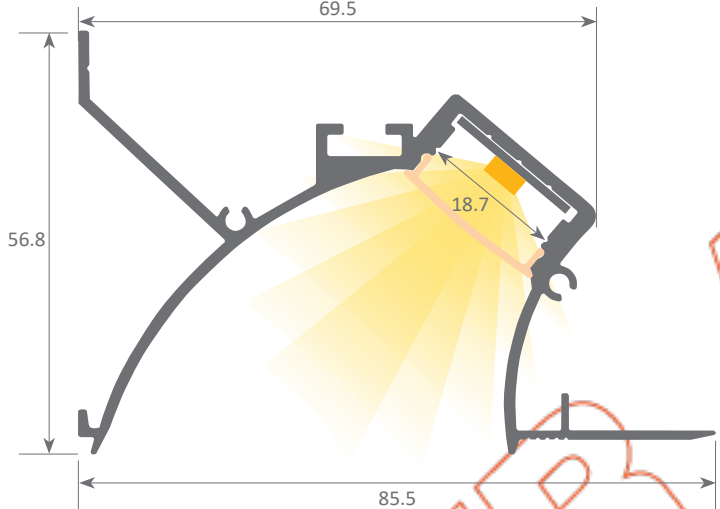
19.257 with hole

19.258 without hole

Scale 1:1

## CANCUN

Aluminium led profile + cover intended for illuminating ceiling perimeters in rooms, giving diffused and ambience lighting. It is finished off with a layer of plaster making it completely integrated in the wall.



### Aluminium profile

08.013 white 3m

### Cover

18.091 frosted 3m

### Plastic endcaps

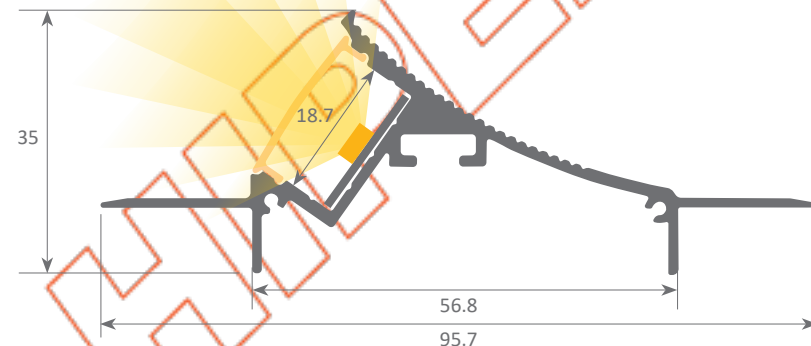
19.259 with hole

19.260 without hole

Scale 1:1

## TIJUANA

Aluminum led profile + cover designed to offer indirect and soft linear lighting. It is finished off with a layer of plaster making it completely integrated in the wall. It can be used on walls or ceilings.



### Aluminium profile

08.014 white 3m

### Cover

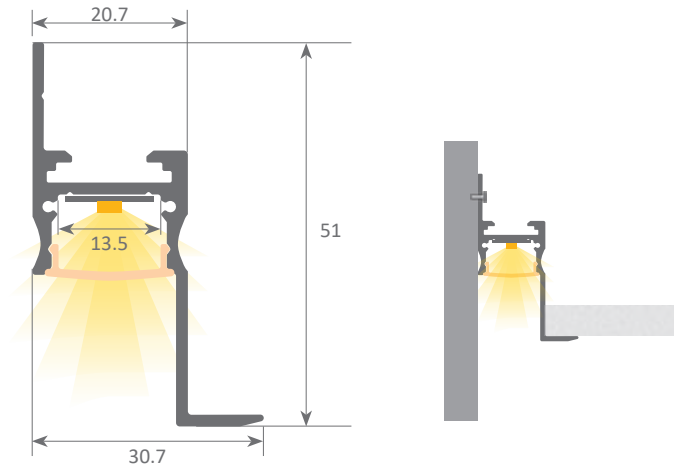
18.092 frosted 3m

### Plastic endcaps

19.261 with hole

19.262 without hole

Scale 1:1



## QUITO

Aluminium led profile + cover intended for illuminating ceiling perimeters in rooms, giving diffused and ambience lighting. It is screwed directly on to the wall and can be finished using ceiling panels such as Armstrong or Pladur drywall plates.

### Aluminium profile

08.015 white 3m

### Cover

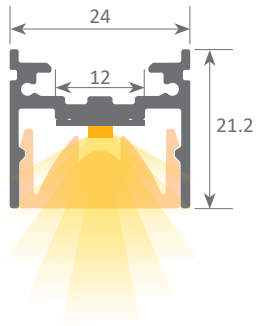
18.093 frosted 3m

### Plastic endcaps

19.263 with hole

19.264 without hole

Scale 1:1



## MEDELLIN

Led profile + different covers which, using high luminosity rigid strips, projects the light over long distances.

### Aluminium profile

08.021 white 3m

### Methacrylate cover

18.099 30° lens 3m

18.104 60° lens 3m

18.107 wallwasher 3m

### Polycarbonate cover

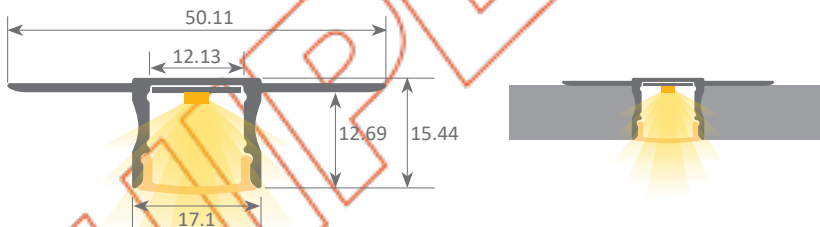
18.106 opal 3m

### Plastic endcaps

19.275 with hole

19.276 without hole

Scale 1:1



## BRASILIA

Aluminium led profile + cover for ceiling applications which remains flush with conventional plasterboard.

### Aluminium profile

08.017 white 3m

### Cover

18.095 frosted 3m

### Plastic endcaps

19.267 with hole

19.268 without hole

Scale 1:1

## SANTIAGO

Aluminium led profile + cover for interior architectural corner applications. It is finished off with a layer of plaster making it completely integrated in the wall.

### Aluminium profile

08.018 white 3m

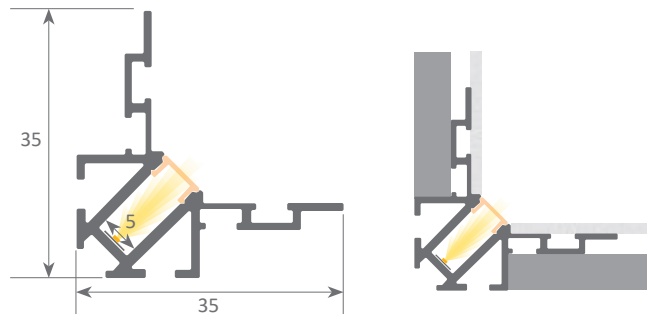
### Cover

18.096 frosted 3m

### Plastic endcaps

19.269 with hole

19.270 without hole



Scale 1:1

## CALI

Aluminium led profile + cover for interior architectural corner applications. It is finished off with a layer of plaster making it completely integrated in the wall.

### Aluminium profile

08.019 white 3m

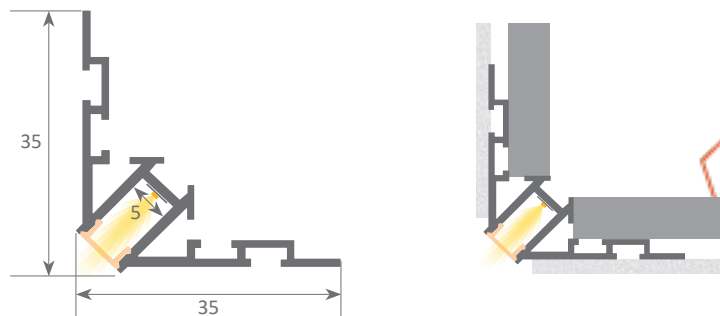
### Cover

18.096 frosted 3m

### Plastic endcaps

19.271 with hole

19.272 without hole



Scale 1:1

## CUZCO

Aluminium led profile + cover for ceiling applications which remains flush with conventional plasterboard. As its light line is only 3.7mm wide, this makes it a very fine and elegant lighting option.

### Aluminium profile

08.020 white 3m

### Cover

18.098 frosted 3m

### Plastic endcaps

19.273 with hole

19.274 without hole

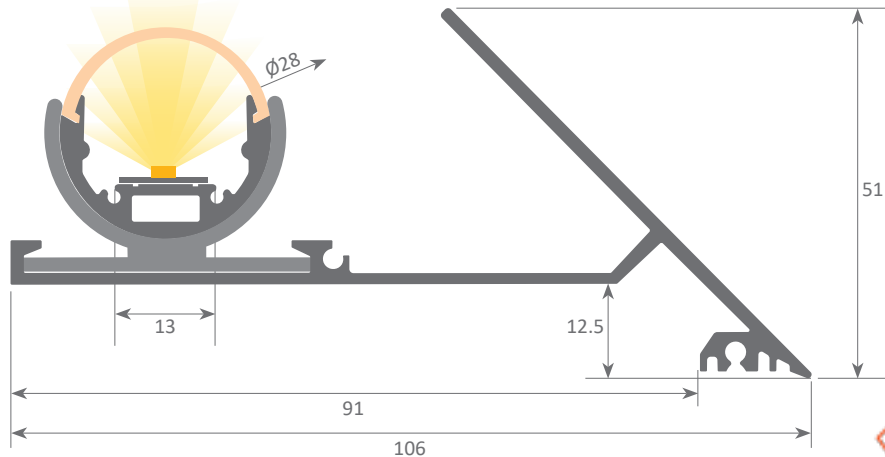




Scale 1:1

## LIMA

Aluminium led profile base + adjustable led profile with cover, intended for perimeter ceiling lighting in rooms, offering diffused and ambience lighting. It should rest on a ledge or similar. Its diagonal shaped finishing, means that illumination is totally indirect.



### Aluminium profile (Base)

08.016 white 3m

### Aluminium profile (Semicircular)

08.031 white 3m

### Cover

18.094 opal 3m

### Methacrylate cover

18.099 30° lens 3m

18.104 60° lens 3m

18.107 wallwasher 3m

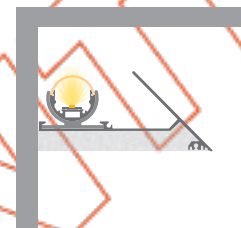
### Plastic endcaps

19.265 with hole

19.266 without hole

### Clip

20.054 transparent plastic



Scale 1:1

## CARTAGO

Led profile made up of an internal aluminum core with an opal white cover which give us a cylinder with 360° light. Its metal end caps allow power supplies to be housed inside.

### Aluminium profile

08.022 white 3m

### Cover

18.100 frosted 3m

### Plastic endcaps

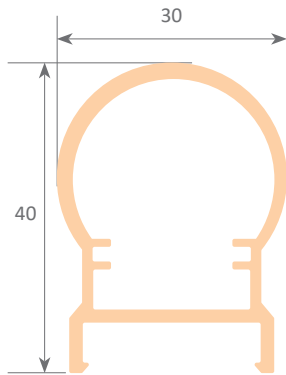
19.277 without hole

### Hanging kit

21.005 silver



Scale 1:1



## MONTERREY

Polycarbonate profile available in 6 different colours and designed for perimeter lighting on facades, buildings or similar.

### Polycarbonate profile

08.023	Yellow
08.024	Orange
08.025	Blue
08.026	Red
08.027	Green
08.028	White

### Endcaps

19.278	Yellow
19.279	Orange
19.280	Blue
19.281	Red
19.282	Green
19.283	White

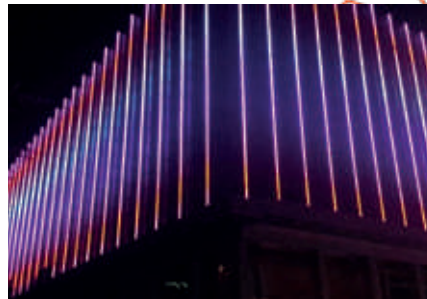
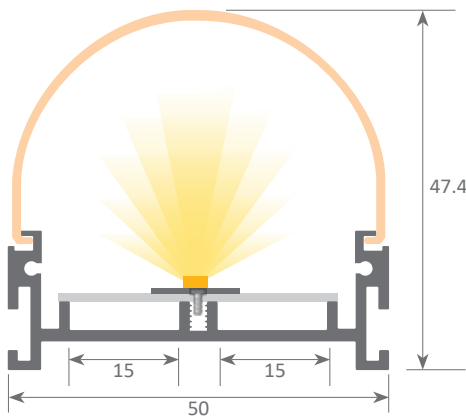
### Clip

20.053	polycarbonate
--------	---------------

### Silicone rubber

22.068
--------

Scale 1:1



## NASAU

Aluminium profile + cover for perimeter lighting on facades, buildings or similar.

### Aluminium profile

08.029	white	3m
--------	-------	----

### Polycarbonate cover

18.105	frosted	3m
--------	---------	----

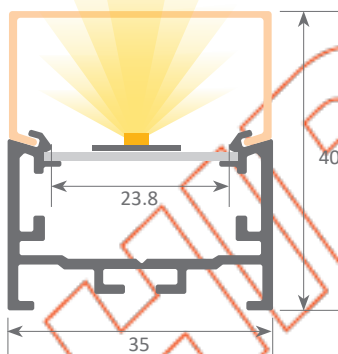
### Plastic endcaps

19.291	with hole
19.292	without hole

### Clip

20.057	metal
--------	-------

Scale 1:1



## MONTEVIDEO

Aluminium profile + cover for perimeter lighting on facades, buildings or similar.

### Aluminium profile

08.030	white	3m
--------	-------	----

### Polycarbonate cover

18.101	frosted	3m
--------	---------	----

### Plastic endcaps

19.284	without hole
--------	--------------

### Clip

20.056	metal
--------	-------

# led profile sample display cases

## Panels with led profiles

For our clients we have display panels available with our most popular led profiles (includes led lighting):

Ref: 22.062

Panel measurements: 100x50cm



Detroit  
See page 62



Tennessee  
See page 63



Milano  
See page 44



Frankfurt  
See page 71



Roma  
See page 48



Berlin  
See page 73



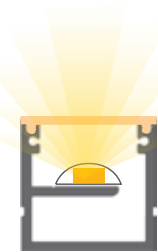
Torino  
See page 60



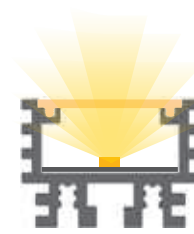
Paris  
See page 94



Zagreb  
See page 90



Versailles  
See page 54



Inferno  
See page 56



Sophia XL  
See page 84



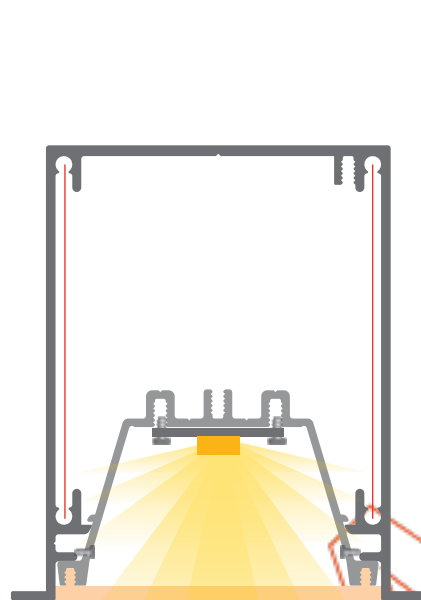
# led profile sample display cases

## Panels with Big profiles

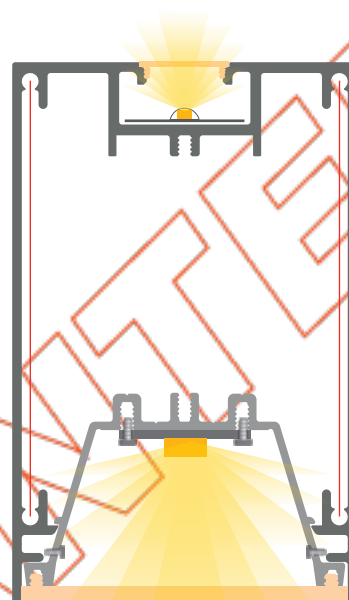
For our clients we have display panels available with our most popular big profiles (includes led lighting):

Ref: 22.063

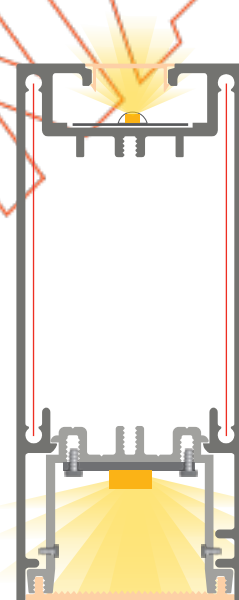
Panel measurements: 100x50cm



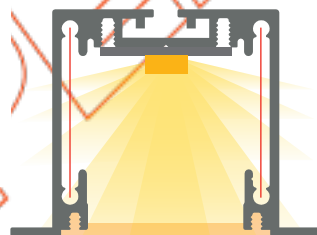
Moscú Magnum  
See page 218



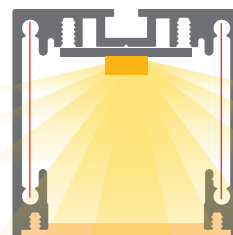
Múnich Magnum  
See page 196



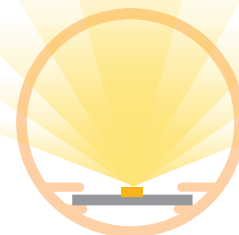
Múnich Magnum Slim  
See page 194



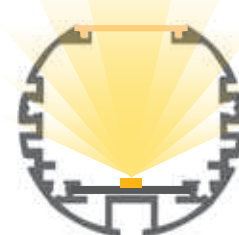
Moscú Mini  
See page 214



Múnich Mini  
See page 192



Oslo  
See page 103



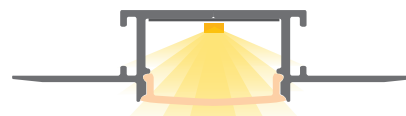
Paris XL  
See page 100

## Panels with architectural profiles

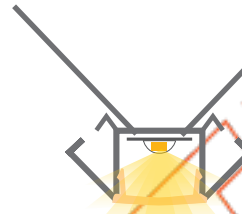
For our clients we have display panels available with our most popular architectural profiles (includes led lighting):

22.064

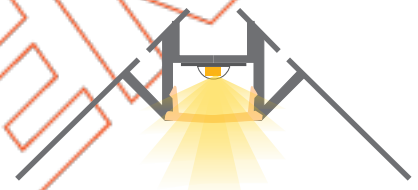
Panel measurements: 100x50cm



Montana  
See page 130



Portland  
See page 132



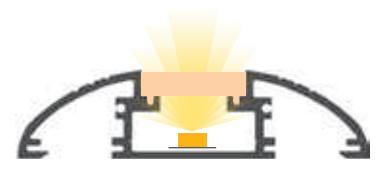
Baltimore  
See page 133



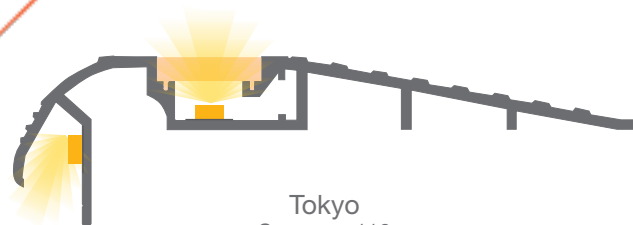
Alaska  
See page 131



Dublín  
See page 107



Florencia  
See page 112



Tokyo  
See page 116



## Multi-Sample display cases

We have sample cases available for our clients with our most popular profiles (38 models) + technical drawings on a scale of 1:1:

Ref: 22.065

Measurements: 42x30cm

## Personalised profile samples

50cm length with Barcelona ecoled in neutral white, fixing clips, bluetooth dimmer switch and power supply.

Includes 1 transparent and 1 frosted cover.

Model of led profile: to be chosen by client.

Colour of profile: to be chosen by client.

Ref: 22.066



## Free profile samples

At Luz Negra we are specialists in linear lighting and we offer very high quality profiles and covers which we are sure will meet your expectations.

We therefore offer you free 15cm samples so you can assess before executing any project, to make sure they fit to perfection (service for professionals).





ecoled



· Led strip at 230V	254
· New items and special series	264
· Standard flexible strips	274
· Flexible strips with digital led	292
· Flexible panels	296
· Rigid led strips	296
· Power supplies	310
· Led drivers	314
· Accessories for leds	330
· Methacrylate optics	336
· Laboratory service	340
· Lighting technology/technical information	342





Luz Negra is a pioneer in the design of led strips, offering excellent quality since 2006. We were the first Spanish company to incorporate silicone as an IP protection system and later on to develop our **“DUO System” (unique on the market)** which guarantees total water-tightness yet maintaining the same flexibility and width of the PCB.

The exclusive water-tightness system, the double layer PCB, the power stabilizer, the high CRI, the thickness of the PCB, the tin silver in the welding, the quality of the phosphorous in the white leds, the brand name of the chip used, the quality of the adhesive tape, amongst other details, make our leds stand out from other makes, **because not all led strips are the same.**

### Not all led strips are alike.

Some of the characteristics which make our ecoled strips unique;

1. Spanish idea and design.
2. Exclusive “Waterproof DUO” system which guarantees IP67 without widening the PCB and maintains the same flexibility.
3. Double layer PCB (with 3 and 4 ounces) for lower voltage drops and greater cooling of the strip.
4. Adhesive thermal conductive tape on the lower part which quickly transfers the heat to the profile.
5. Stabilizers with Heat Control system which prevent the strip from blowing through overload.
6. Strips with up to 5700 lumens per metre.
7. Full colour strips with CRI greater than 97.
8. COB strips with a steel sheet in the PCB which prevents any breaking due to bending.
9. Very high quality strips directly at 230V which offer a worldwide patent.
10. Special covering in the waterproof strips which prevents yellowing and inflexibility over time.
11. Led strips up to 170 lm/W.

\* Please refer to the technical data sheet for each model.



Colour °KELVIN

1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 K



## Custom made led strips

Our vast experience in the design of flexible led strips (since 2006) allows us to manufacture totally customised led strips (according to the order); where the customer can choose from a variety of features, such as the following:

**PCB width:** minimum 4mm.

**Type of led:** front or side lighting, SMD 3014-3528-5050-2835-3327, etc.

**Water-tightness:** from IP20 to IP67. Our waterproof DUO system can also be provided on request.

**PCB quality:** single or double sided, the thickness can vary, light reflecting properties, etc.

**Led Quality:** CREE, NICHIA, OSRAM, EPISTAR, etc.

**CRI** (Colour Rendering Index).

**Led colour:** warm, cool or neutral white, red, green, blue, amber, RGB, RGB+W, CW+WW.

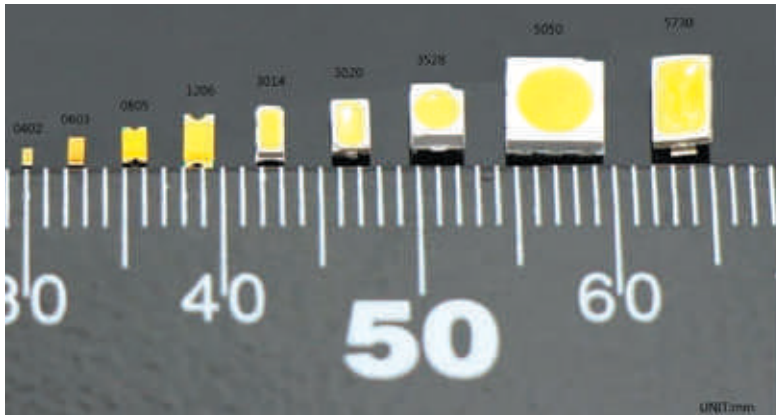
**Voltage:** 12V-24V.

**Led power:** from 2.5W up to 40W per metre.

**Lighting performance:** from 80 up to 100 lumen/W or even greater values.

**Length of the roll:** 5, 10 or 15 metre. The length of the led strip can be shortened on request.

Other elements include **voltage stabiliser**, PCB with the company's logo or printed brand, thermal conductive tape, etc.

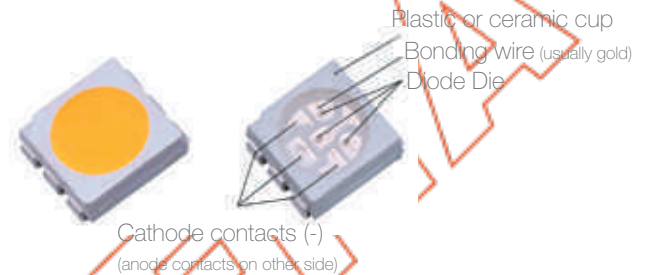




## Manufacturing process for our flexible led strips

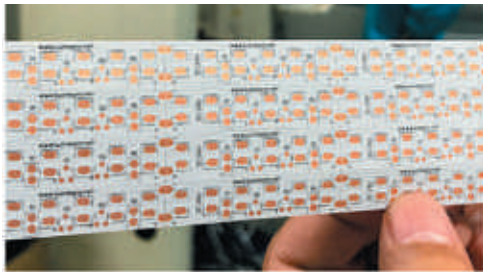


### Surface Mounted Device led

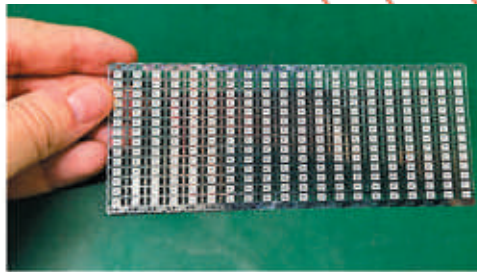


Although the majority of led strips look alike, what makes the difference is the way in which they are manufactured and their components and this is directly reflected in their luminosity, performance, stability, light loss and life span.

As follows, we highlight the basic steps which are taken in the manufacturing of our led strips:



PCB



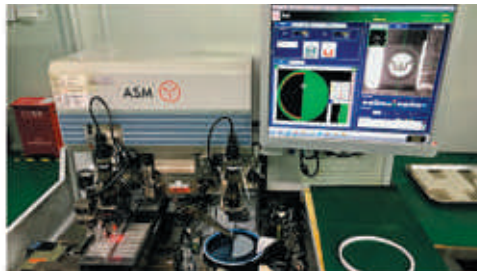
Diodes where the chips are mounted



Base plate with more than 15.000 chips (diodes)

In order to manufacture a led strip we need a base (PCB), on top of which we can find a circuit which generates electrical current and feeds the components which we place on top, such as the SMD leds, power resistors and the current stabilisers. This base is made up of one or two layers which are between one or two ounces (oz) in thickness. A PCB with two layers and increased ounces allows us to achieve a reduced voltage drop and all our strips have two layers.

We also need to mention the die where the chip is placed (the diode which emits the light). This die will be soldered onto the PCB. There are many different types of diode die and can be determined by the quantity of chips to be housed inside and their shape. The most common are 3528-2838-5050-3014-3030-3535-2216-3527.



The machines used have one or two heads, which take the chips from the base plate and then stick them onto the die with a special glue.

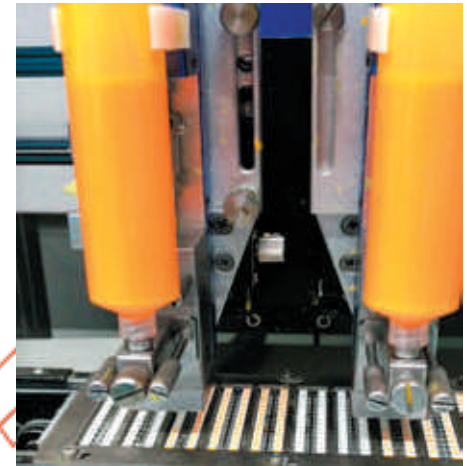


Machine soldering with gold wires

Next the chips wires are soldered onto the die (at Luz Negra we use a high purity gold wire which gives us improved conductivity).

In order to obtain white leds we need to apply a phosphorus layer on top of the blue led. Depending on the composition of this phosphorus we will achieve different tones of white.

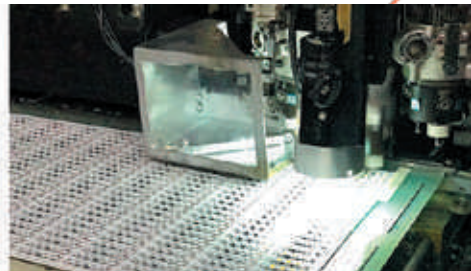
Phosphorus is the yellow layer which we can see in the white leds when they are turned off. If the colour is "lemon" yellow then it will mean cold white (approx 6000°K). If it is "orange-coloured" then it will mean warm white (approx 3000°K).



Machine placing phosphorus in the leds



Test 1x1 placing on reel



Machine "revolver" applying leds to the PCB

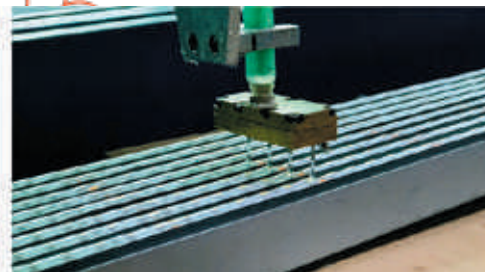


Drying oven for sealing soldered parts

Afterwards another machine carries out a test on the leds (one-by-one) in order to classify them via their BIN code and it packages them onto a reel to be later used in the SMT machines. Then the machine applies the leds and other components such as power resistors and current stabilisers to the PCB. Once we have the PCB completed with all the elements, it is placed into an oven to make sure that all the soldered parts between the components and the PCB are completely fixed.



Quality control and luminosity



Placing of silicone



DUO waterproofing shrink tunnels

Next we come to the quality process, where the strips are checked (in lengths of 50cm) with different power intensities and with white filters, in order to detect any anomalies. Then the 50cm lengths are soldered together to make final lengths of 5m (supplied in rolls). The waterproof models are placed onto special 5m racks and here they are treated with a layer of silicone to achieve IP65. As for the models with our Waterproof DUO system (silicone and shrink wrap tube which offer us IP67), they will have a shrink wrap casing applied and then finished in the shrink tunnels. This system gives us IP67 protection without increasing the width of the led strip and at the same time maintains its flexibility in 100%.

Afterwards 3M tape is placed on the back of the strips and they are placed in the AGE TESTING chamber where the final quality testing is carried out. At the end of this process machines roll the strips onto 5m reels and then they are packaged.



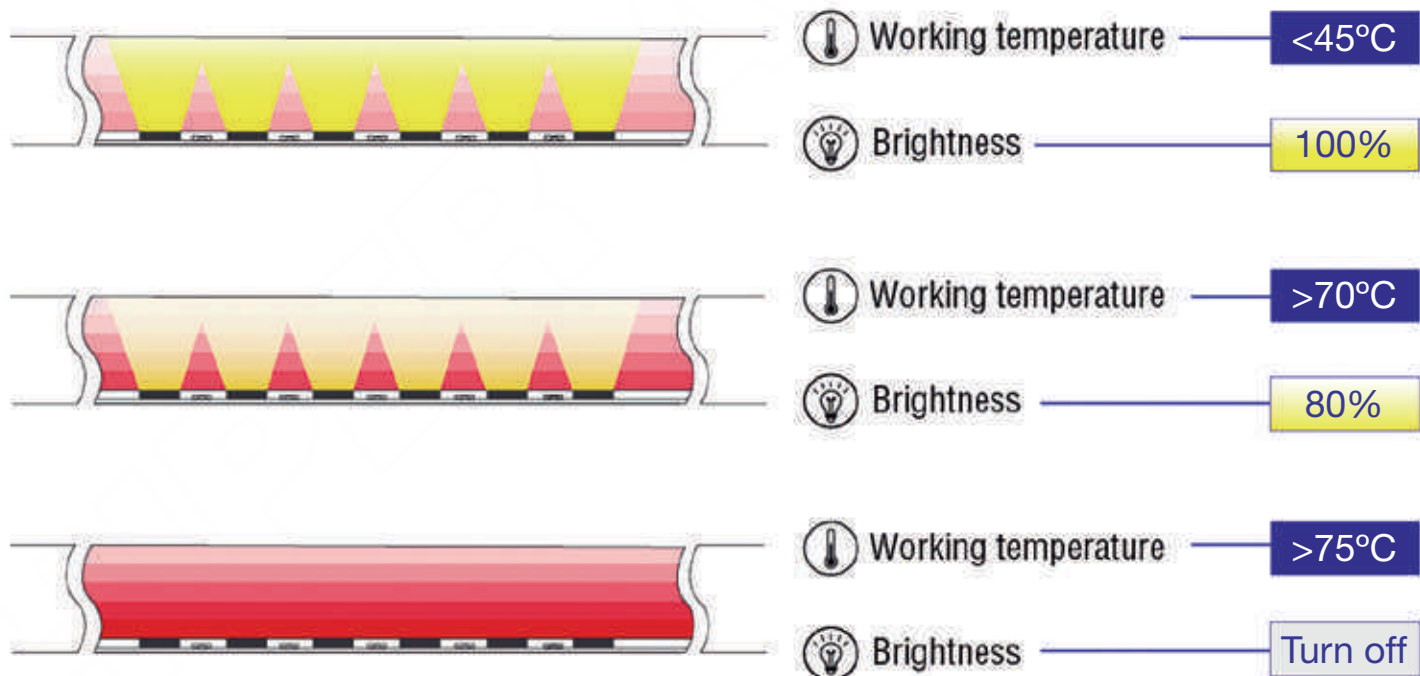
## Flexible led strips with HEAT CONTROL by Luz Negra

Leds are very sensitive to temperature and if we overload, or don't apply suitable dissipation or if the outside environment is warmer than desired, then the led acquires a temperature higher than appropriate. This means it will enter into a loop where it heats up more and more until it ends up burning out and reducing its luminosity to zero.

To avoid these situations, here at Luz Negra we have incorporated our HEAT CONTROL system in some of our flexible strips (PRO series). The heat control works as follows: if the strip is working at its normal temperature (normally below 45°C), the luminous flux and its performance is 100%, but, if for any reason the strip gets hotter, the intelligent Heat Control system reduces the luminous flux to preserve the led. If the temperature is too high, the led will turn off to avoid burning out.

The flexible strips which incorporate the Heat Control system are the following:

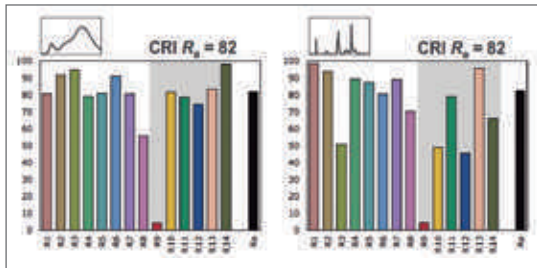
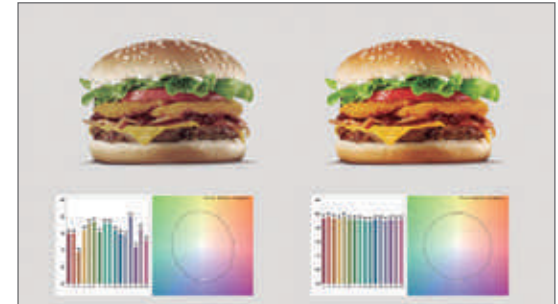
- Vizcaya
- Elite 5
- Elite 10
- Elite 15
- Elite 20
- Palma
- Tenerife
- Hierro
- Lanzarote
- Gomera



## TM30-18 or CRI ¿Which is more important?

The Colour Rendering Index (CRI) is a numerical value from 0 - 100, which indicates the quality of light with respect to the sun. A light source with a CRI of 100, supposedly offers a chromatic reproduction similar to that of the sun which means that any product exposed to that light will be seen with its natural colours, as if it were illuminated by sunlight.

In the photo we can observe that the hamburger with a high CRI reflects the real colours more accurately, the value of R9 (red) being the most important of all.

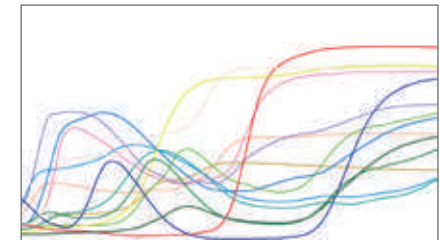


The CRI with its 15 values (colours) isn't complete enough to be able to carry out the best quality testing. This is due to the fact that with only 15 values we could reach a false assumption. The CRI can't prevent us from designing a light source with the specific idea of having a high result with these 15 colours, while the existing colour spectrum is poor in general (see the photo where we have 2 values with identical CRI and yet both luminous spectrums are very different).

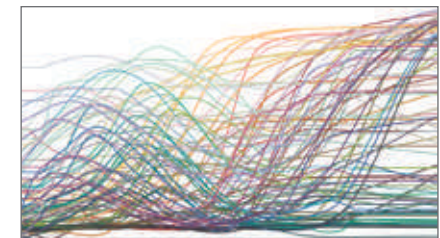
Therefore the TM-30-18 is a new standard which can tackle this problem. It has been proposed by leading organizations in USA, the IES (Illuminating Engineering Society) and the DOE (Department of Energy in USA). The TM-30-18 offers the Colour Fidelity Index (Rf) with the same quality scale up to 100, but with much higher levels of precision due to its increase in test colours (from 15 to 99 colours).

As the test colours have been substantially increased, it's practically impossible to have false readings. Only those light sources which have similarities with daylight or with the standard illuminant in the full spectrum, will obtain values greater than 90 or 95.

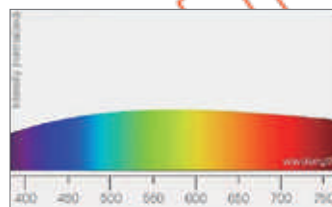
Our ecoled Full Colour strips, Sevilla model (see page 266), offer a luminous spectrum which is almost identical to sunlight, therefore achieving an excellent chromatic reproduction. Our laboratory (in our Barcelona installations) offers the most technologically advanced systems and with our spectroradiometer, equipped with an integrated sphere, we can carry out corresponding measurements for TM30-18 in order to guarantee the most rigorous and exact readings for our clients.



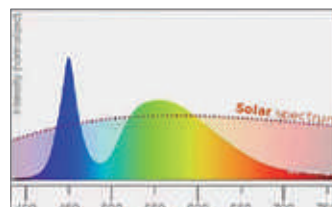
Spectrum, considering 15 values



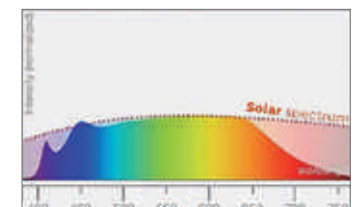
Spectrum, considering 99 values



Luminous spectrum with sunlight



Luminous spectrum with sunlight



Luminous spectrum with Sevilla ecoled

SPECIAL SERIES



PCB SLIM



SIDE LIGHTING



ZIG-ZAG



FLEXIBLE PANEL



GHOST PROFILE



COB

Please note: all our flexible led strips are supplied in their original lengths (5m/10m/100m) or can be customised according to requested needs (with a small additional fee).

5V

Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
293	FIJI	DIGITAL	RGB	11.5W/m	308 Lm	IP20	60	5mm	16.54mm	-

12V

Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
275	JADE	BASIC	6500 3500	4.8W/m	500 Lm / 6500K	IP20	60	8mm	50mm	42.069
275	RUBI	BASIC	6000 2800	4.8W/m	400 Lm / 6000K	IP65	60	10mm	50mm	42.068
275	IBIZA	PRO	6300 4000 2800	4.8W/m	480 Lm / 6300K	IP67 DU0	60	10mm	50mm	42.004
277	TOPACIO	BASIC	6000 2800	11.5W/m	864 Lm / 6000K	IP20	144	10mm	20mm	42.068
279	BARCELONA	PRO	6500 4000 3000	19.2W/m	1600 Lm / 6500K	IP20	240	10mm	12.5mm	42.068
281	CIES	PRO SLIM	6000 4000 3000	10W/m	1200 Lm / 6000K	IP20	198	5mm	15 mm	42.069
283	MENORCA	PRO SIDE LIGHTING	5000 4000 2800	7.7W/m	600 Lm / 5500K	IP67 DU0	96	10mm	31mm	-
283	GETAFE	PRO SIDE LIGHTING	6000 4000 2800	10W/m	953 Lm / 6500K	IP20	120	6mm	25mm	42.069
285	AVILA	PRO "ZIG-ZAG"	6000 4400 3000	12W/m	1100 Lm / 6000K	IP54	60	6mm	50mm	42.069
287	ESMERALDA RGB	BASIC "RGB"	RGB	7.2W/m	250 Lm / white	IP65	30	10mm	100mm	-
287	AGATA RGB	BASIC "RGB"	RGB	14.4W/m	350 Lm / white	IP65	60	10mm	50mm	-
283	IRUN RGB	PRO SIDE LIGHTING	RGB	13W/m	400 Lm / white	IP20	180	6mm	50 mm	-
285	JEREZ RGB	PRO "ZIG-ZAG"	RGB	11.5W/m	400 Lm / white	IP20	48	8.5mm	60mm	-
281	ALICANTE RGB	PRO SLIM	RGB	14.4W/m	400 Lm / white	IP20	60	6mm	50 mm	-
270	PINK 10	PINK "neon effect"	PINK	10W/m	200 Lm	IP20	120	5mm	25mm	42.069
294	COZUMEL RGB	DIGITAL	RGB	7.2W/m	112 Lm	IP20	30	10mm	33.2mm	-
293	HAWAII RGB	DIGITAL	RGB	14.4W/m	438 Lm	IP20	60	10mm	16.8mm	-
294	BALI	DIGITAL	3000	14.4W/m	1000 Lm / 7000K	IP20	60	10mm	50mm	-
294	MALDIVAS RGB+W	DIGITAL	RGB + W	20W/m	500 Lm	IP20	60	10mm	16.8mm	-



Please note: all our flexible led strips are supplied in their original lengths (5m/10m/100m) or can be customised according to requested needs (with a small additional fee).

24V

Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
268	ÉLITE 5	ÉLITE <b>SAMSUNG</b>	6500 4000 3000	5W/m	700 Lm / 6500°K	IP20	140	10mm	50mm	42.068
272	PALMA	PREMIUM RETAIL	4200 3200 2850	4.8W/m	480 Lm / 4200°K	IP20	56	10mm	125mm	42.068
272	TENERIFE	PREMIUM RETAIL	4200 3200 2850	9.6W/m	960 Lm / 4200°K	IP20	112	10mm	62.5mm	42.068
269	ÉLITE 10	ÉLITE <b>SAMSUNG</b>	6500 4000 3000	10W/m	1250 Lm / 6500°K	IP20	140	10mm	50mm	42.068
277	VIZCAYA	PRO	6500 4000 3000 2800	10W/m	1100 Lm / 6500°K	IP67 DU0	144	10mm	42mm	42.004
277	ZAFIRO	BASIC	7800 4000 2800	15W/m	1300 Lm / 7800°K	IP65	60	10mm	100mm	42.004
263	COB	COB	6500 4000 3000 2500	15W/m	1530 Lm / 6500°K	IP20	480	10mm	50mm	42.068
269	ÉLITE 15	ÉLITE <b>SAMSUNG</b>	6500 4000 3000 2700 2400 2100	15W/m	1920 Lm / 6500°K	IP20	140	10mm	50mm	42.068
273	HIERRO	PREMIUM RETAIL	4200 3200 2850	16W/m	1850 Lm / 4200°K	IP20	126	10mm	55.55mm	42.068
273	LANZAROTE	PREMIUM RETAIL	4200 3200 2850	18W/m	2100 Lm / 4200°K	IP20	196	10mm	35.7mm	42.068
279	CANOVELLES	PRO	6000 4000 2800	19.2W/m	1600 Lm / 6000°K	IP67 DU0	240	10mm	25mm	42.004
266	SEVILLA	PRO	4000 2700	20W/m	2258 Lm / 4000°K	IP20	160	10mm	50mm	42.068
269	ÉLITE 20	ÉLITE <b>SAMSUNG</b>	6500 4000 3000	20W/m	2060 Lm / 6500°K	IP20	140	10mm	50mm	42.068
273	GOMERA	PREMIUM RETAIL	4200 3200 2850	21W/m	2450 Lm / 4200°K	IP20	238	10mm	29.4mm	42.068
281	GRANADA	PRO <b>OSRAM</b>	6500 4000 2700	21W/m	3150 Lm / 6500°K	IP20	128	5mm	62.5mm	42.069
267	CORDOBA	PRO	4000 2700	40W/m	5732 Lm / 4000°K	IP20	192	10mm	41mm	-
287	GERONA <sup>RGB</sup>	PRO "RGB"	RGB	28.8W/m	860 Lm / white	IP20	120	10mm	50mm	-
289	MARBELLA <sup>RGBW</sup>	PRO "RGBW"	RGB + W 3000	18.4W/m	800 Lm / white	IP20	60	10mm	100mm	-
289	NERJA	PRO "DUAL" <sup>ww-cw</sup>	6000 3000	19.2W/m	1500 Lm / 6000°K-3000°K	IP20	120	8mm	50mm	-
291	TREVELEZ	FOOD "meat"	2100	20W/m	1600 Lm / 2100°K	IP54	192	10mm	41.6mm	42.068
291	MOTRIL	FOOD "pastries"	2500	20W/m	1800 Lm / 2500°K	IP54	192	10mm	41.6mm	42.068
291	ANTEQUERA	FOOD "vegetables"	6000	20W/m	2200 Lm / 6000°K	IP54	192	10mm	41.6mm	42.068
270	PINK 20	PINK "neon effect"	PINK	20W/m	420 Lm	IP20	168	10mm	42mm	42.068
193	SEYCHELLES	DIGITAL	RGB	28.8W/m	592 Lm	IP20	20	12mm	50mm	-

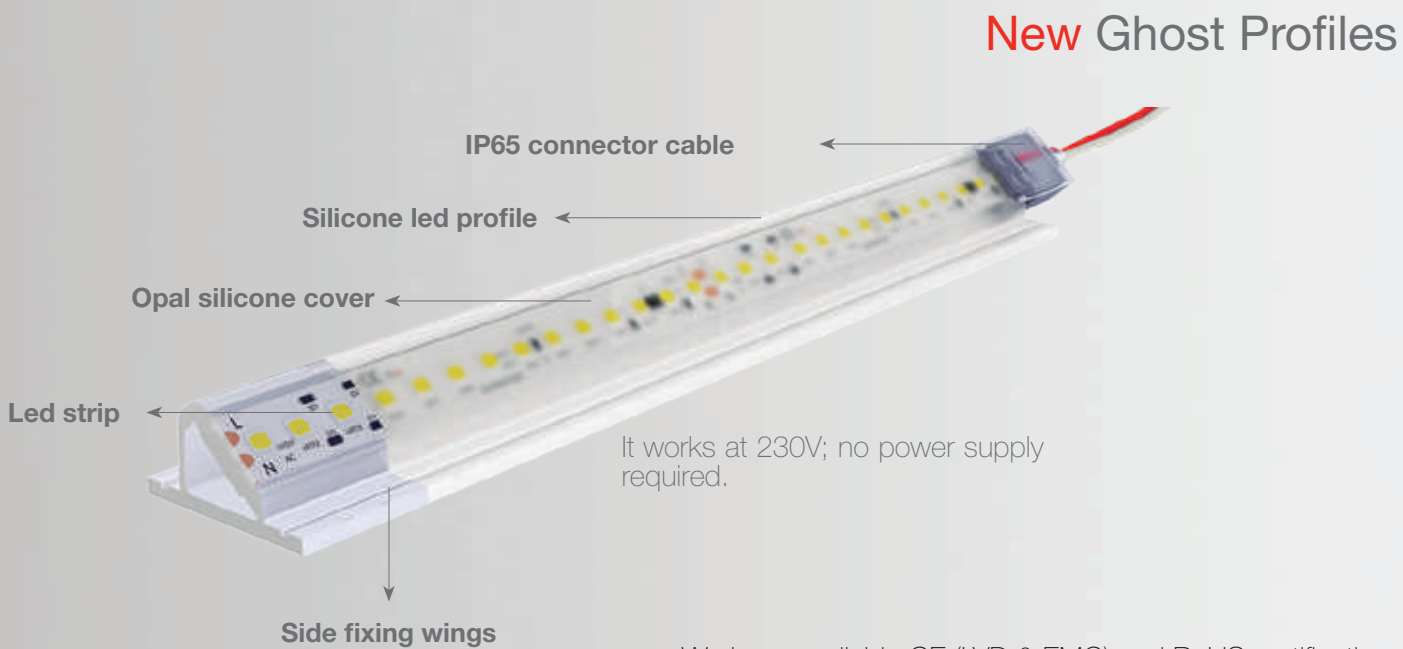
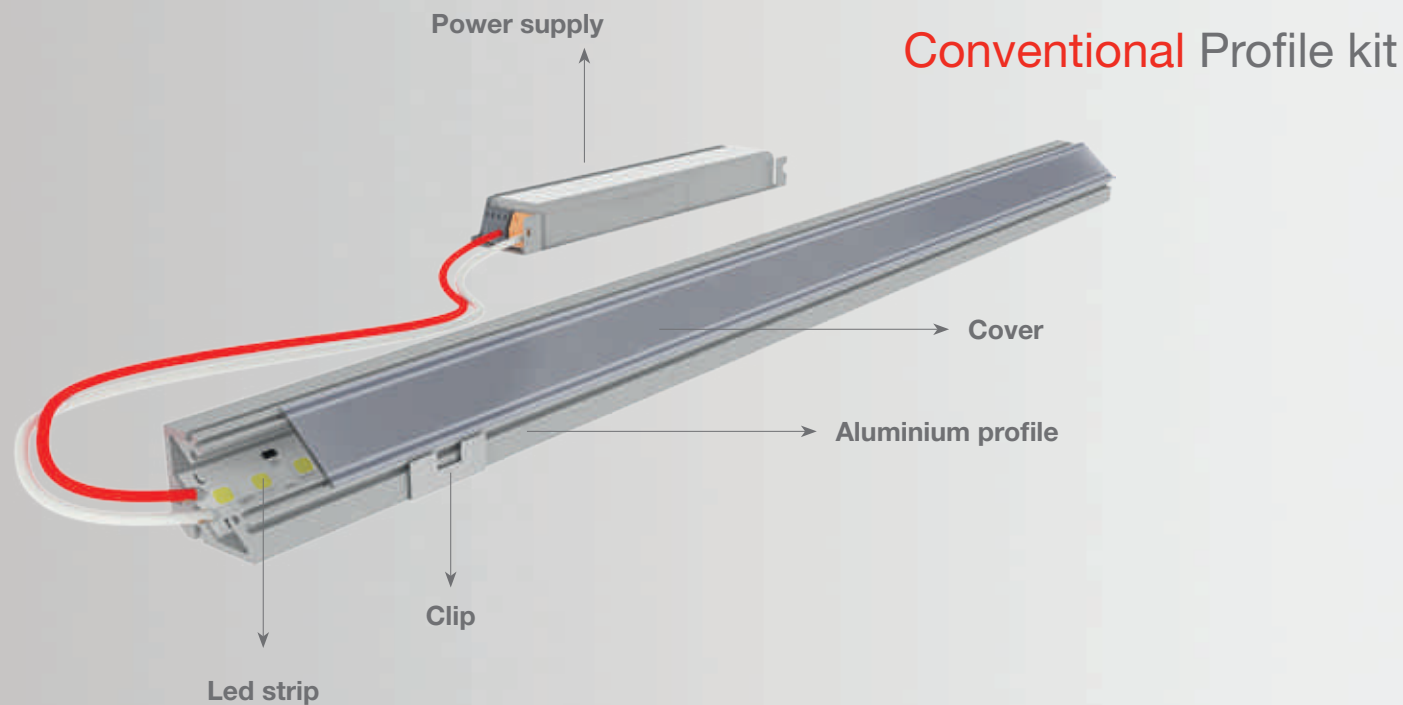
48V

Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
264	CASTELLON	48V	6000 4000 2800	12.8W/m	1327 Lm / 6000°K	IP20	150	10mm	100mm	42.068

230V

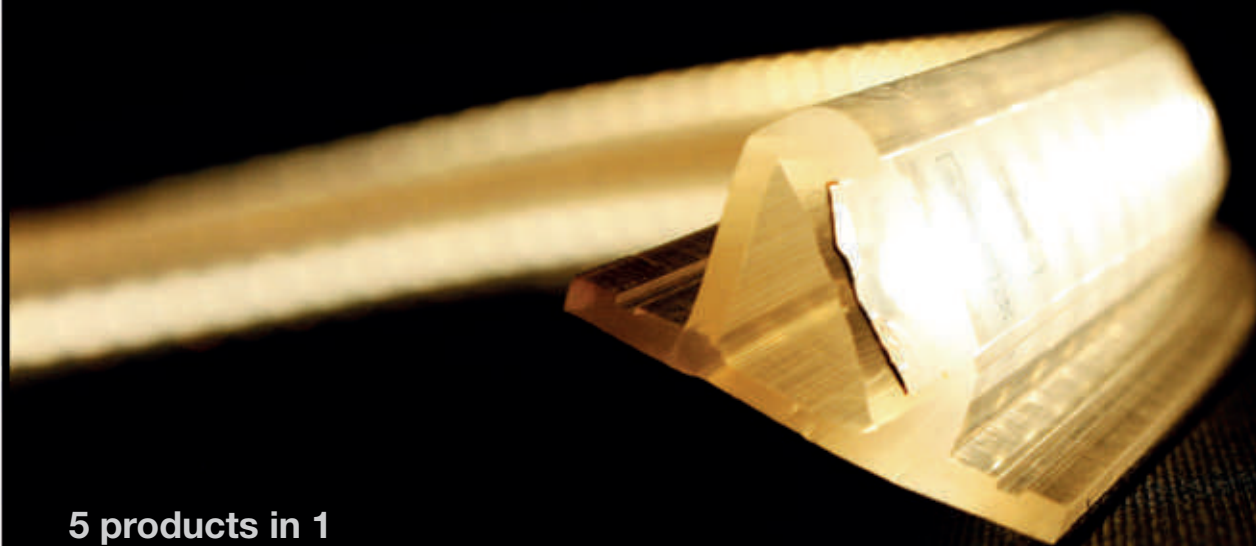
Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
262	INFINITY	230V	6500 4500 3000 2700	14W/m	1600 Lm / 6500°K	IP67	140	12	100mm	42.004
256	GHOST MILANO	230V	6000 4000 3000	14W/m	1500 Lm / 6000°K	IP67	140	26	100mm	42.004
257	GHOST MILANO DOBLE	230V	4000 3000	35W/m	3750 Lm / 4000°K	IP67	280	26	100mm	42.004
258	GHOST AMSTERDAM	230V	6000 4000 3000	14W/m	1500 Lm / 6000°K	IP67	140	14	100mm	42.004
259	GHOST SOPHIA	230V	6000 4000 3000	14W/m	1500 Lm / 6000°K	IP67	140	26	100mm	42.004

COMPARATIVE



## Ghost Profile; our revolutionary product

Our Ghost profile is made of opal coloured silicone, which has been manufactured via a cold extrusion process and has a led strip inside which works directly at 230V. Its 140 leds/m and 0.6W of power, use only 0.1W (16% of its nominal). This means they work more relaxed at a lower power level. They do not require any aluminium profile for heat dissipation. This means we can do installation of up to 50 metre with electric feed from only one end and without any junction boxes or drop in tension. Thanks to its waterproofing of IP67 it is ideal for outdoor use. It has IP67 waterproof connectors which can be screwed in place and do not need any welding. Our Ghost Profile has a very low flicker and is dimmable by means of triac. Supplied in metre or in 100m rolls. We offer up to 3 years guarantee.



24h working

Installing in half the time.

Up to 50m without any power supply or junction boxes.

### 5 products in 1



**PROFILE:** Its silicone structure imitates the aluminium profiles. It does not require thermal dissipation from aluminium as it works only at 16% of its nominal. Its flexibility allows us to adapt to irregular shapes.



**COVER:** It is manufactured in opal coloured silicone which diffuses the led dots and which can't be seen once the light bounces back onto surfaces like walls and ceilings.



**LED STRIP:** Our Ghost profile is manufactured via a cold extrusion process and has a led strip inside. It has 140 leds/m SMD 2835 (14W/m) with 1500 lumens/m, offering almost 110 lumens/W.



**POWER SUPPLY:** Its electronic design (Spanish worldwide patent) permits us to work directly at 230V without needing any power supply or external rectifying box.



**FIXING CLIP:** Ghost profile has side wings with grooves for fixing the screws or nails onto the desired surface.



High quality silicone opal profile, manufactured with a 230V led strip inside. It allows us to illuminate cavities and cornises etc. and offers up to 50 metre without luminosity drops. It has 2 side grooves which means we can screw or nail the profile onto the desired surface. Aluminium is not required for heat dissipation and it can work for 24h non stop. It can be cut every 10cm, consumption 14W/m, offering 1500 Lm/W. It can be regulated with triac dimmer.

Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 and UV protection turn it into an ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

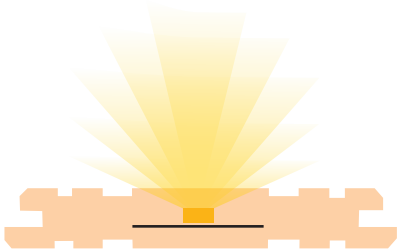
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

**We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.**

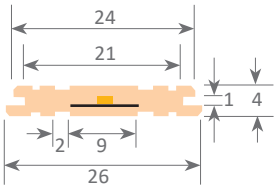
# MILANO GHOST PROFILE



Scale 1:2



Scale 1:1



## Ghost profile Milano

34.005	white	6000°K	14W/m	1500 Lm
34.006	white	4000°K	14W/m	1450 Lm
34.007	white	3000°K	14W/m	1400 Lm

## Connector IP65

42.005	connector with cable of 100cm
42.004	kit (connector with cable of 10cm, closing endcap, cap with connector neck, screws and silicone)

## Connector IP20

42.007	connector (without cable), suitable for screwing with cables
--------	--



## Cap with connector neck

19.251	transparent silicone	set of 10 units
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## Closure endcaps

19.181	transparent silicone
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## Silicone

22.033	High quality dielectric silicone	100ml
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High quality silicone opal profile, manufactured with a 230V led strip inside. It allows us to illuminate cavities and cornises etc. and offers up to 25 metre without luminosity drops. It has 2 side grooves which means we can screw or nail the profile on to the desired surface. Aluminium is not required for heat dissipation and it can work for 24h non stop. It can be cut every 10cm, consumption 35W/m, offering 3900 Lm/W. It can be regulated with triac dimmer.

Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 an UV protection turns it into a ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

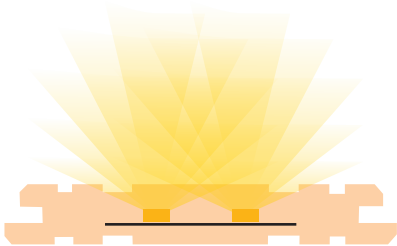
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

**We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.**

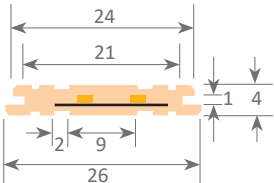
# MILANO GHOST PROFILE DOUBLE



Scale 1:2



Scale 1:1



## Ghost profile Milano doble

34.009 white 4000°K 35W/m 3750 Lm  
34.010 white 3000°K 35W/m 3650 Lm

## Connector IP65

42.005 connector with cable of 100cm  
42.004 kit (connector with cable of 10cm, closing endcap, cap with connector neck, screws and silicone)

## Connector IP20

42.007 connector (without cable), suitable for screwing with cables



## Cap with connector neck

19.251 transparent silicone set of 10 units



## Closure endcaps

19.181 transparent silicone



## Silicone

22.033 High quality dielectric silicone 100ml



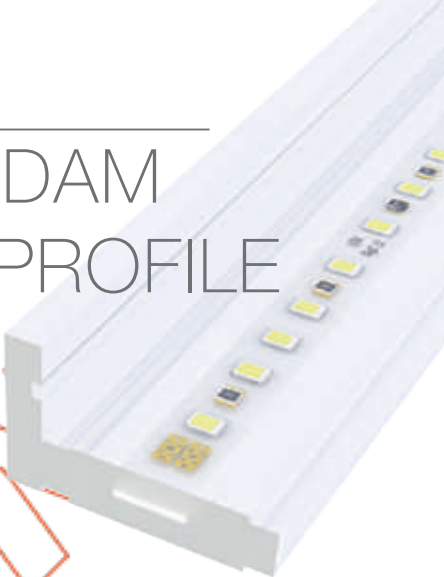
High quality silicone opal profile, manufactured with a 230V led strip inside. It allows us to illuminate cavities and cornises etc. and offers up to 50 metre without luminosity drops. It has 2 side grooves which means we can screw or nail the profile onto the desired surface. Aluminium is not required for heat dissipation and it can work for 24h non stop. It can be cut every 10cm, consumption 14W/m, offering 1500 Lm/W. It can be regulated with triac dimmer.

Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 and UV protection turn it into an ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

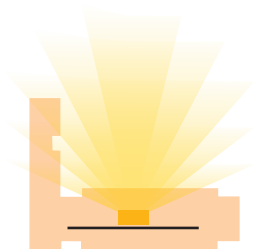
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

**We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.**

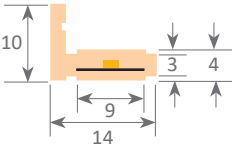
# AMSTERDAM GHOST PROFILE



Scale 1:2



Scale 1:1



Power (W)	14W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Cuttable	every 100mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years



### Ghost profile Amsterdam

34.011	white	6000°K	14W/m	1500 Lm
34.012	white	4000°K	14W/m	1450 Lm
34.013	white	3000°K	14W/m	1400 Lm

### Connector IP65

42.005	connector with cable of 100cm
42.004	kit (connector with cable of 10cm, closing endcap, cap with connector neck, screws and silicone)

### Connector IP20

42.007	connector (without cable), suitable for screwing with cables
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### Cap with connector neck

19.251	transparent silicone	set of 10 units
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### Closure endcaps

19.181	transparent silicone
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### Silicone

22.033	high quality dielectric silicone	100ml
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High quality silicone opal profile, manufactured with a 230V led strip inside. It allows us to illuminate cavities and cornises etc. and offers up to 50 metre without luminosity drops. It has 2 side grooves which means we can screw or nail the profile onto the desired surface. Aluminium is not required for heat dissipation and it can work for 24h non stop. It can be cut every 10cm, consumption 14W/m, offering 1500 Lm/W. It can be regulated with triac dimmer.

Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 and UV protection turn it into an ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

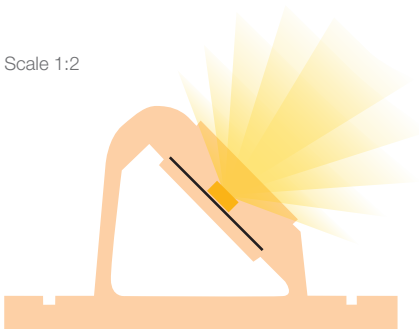
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

**We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.**

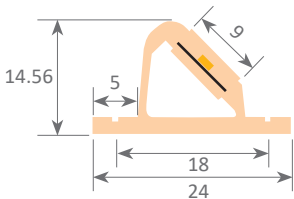
# SOPHIA GHOST PROFILE



Scale 1:2



Scale 1:1



## Ghost profile Sophia

34.014	white	6000°K	14W/m	1500 Lm
34.015	white	4000°K	14W/m	1450 Lm
34.016	white	3000°K	14W/m	1400 Lm

## Connector IP65

42.005	connector with cable of 100cm
42.004	kit (connector with cable of 10cm, closing endcap, cap with connector neck, screws and silicone)

## Connector IP20

42.007	connector (without cable), suitable for screwing with cables
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## Cap with connector neck

19.251	transparent silicone	set of 10 units
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## Closure endcaps

19.181	transparent silicone
--------	----------------------



## Silicone

22.033	High quality dielectric silicone	100ml
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Power (W)	14W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Cuttable	every 100mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years





¿Do you know the advantages of using INFINITY which works directly at 230V?

1. Compared with other Asian models, Infinity uses only 17% of its leds nominal power; we use a 0.6W led that works at only 0.1W; even working 24h continuously it does not heat up and does not need any type of aluminum profile for heat dissipation.
2. We can connect up to 50m from one end, without a drop in luminosity.
3. We offer a range of connectors, joints and IP67 leads, which can be screwed on without any welding.
4. Power supplies are not needed.
5. With only a power of 14W/m, it offers 1500 lumens per metre, so we obtain more than 100W/m (something new in led strips at 230V).
6. It offers 140 leds/m SMD 2835, which guarantees an excellent dot free effect.
7. It is made of high quality silicone (UC class F1 UL94 and VOC free), which is more flexible compared to PVC led strips (Shore 85 flexibility). This material permits outdoor use without yellowing or cracking. Moreover, its weight is lower than that of PVC strips.
8. It can be introduced in almost all standard led profiles due to its reduced size.
9. We include the bridge rectifier in the PCB and not in an external box, so the cable output is clean without other components.
10. Its chips have the unique double welding process in its wire, so they are much more resistant.
11. The silicone inside this strip offers a real IP67 waterproofing, tested in salt mist chambers, so it can be installed even in places near the sea.
12. Allows us to control luminosity by using triac dimmers.
13. It has a low flicker, almost impossible to be seen.
14. It offers a Spanish patent and design.

We have available CE (LVD & EMC) and RoHS certification



# INFINITY our new led strip at 230V



Available in 100m rolls. Also available in single metre (same price).



Available in warm white 3000°K, neutral white 4500°K and cool white 6500°K.



Range of connectors, joints and IP67 junction boxes, which can be screwed on without welding.





INFINITY



- Ref: 34.001
- Ref: 34.002
- Ref: 34.003
- Ref: 34.004
- 6500°K
- 4500°K
- 3000°K
- 2700°K

Single-coloured flexible led strip of medium luminosity at 230V, IP67 with 140 leds/metre and cuttable every 100mm.  
**12mm PCB.**

Daily recommended use: 24h  
Maximum connection per section: 50m



- Connector IP65**
- 42.005 connector with cable of 100cm
- 42.004 kit (connector with cable of 10cm, closure endcap, cap with connector neck, screws and silicone)



- Silicone**
- 22.033 Silicone tube
- 100ml



- Connector IP20**
- 42.007 connector (without cable), suitable for screwing with cables



- Cap with connector neck**
- 19.251 transparent silicone
- set of 10 units



- Clip**
- 20.041 silicone

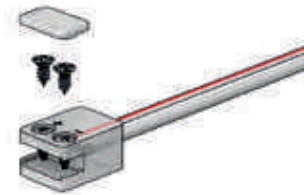


- Closure endcaps**
- 19.181 transparent silicone

Power (W)	14W/m
Voltage (V)	230V
Led type	SMD2110
Lumens (6500°K)	1600 Lm/m
Lumens (4500°K)	1450 Lm/m
Lumens (3000°K)	1350 Lm/m
Lumens (2700°K)	1350 Lm/m
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Measurements	12x4mm
Cuttable	every 100mm
PCB	12mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years waterproofed by Luz Negra
Guarantee	2 years waterproofed by client



- Photometric curves available and files IES & LDT for DIALux and RELUX carried out in our laboratory under petition.



## Connectors for waterproof strips (with screw system, no need for welding)

Our new IP67 connectors make led strip connections easier, as there is no soldering involved. Only 2 screws are required like in conventional terminal blocks. We can achieve a waterproofing of IP67 by using silicone and caps.



42.005 connector with cable of 100cm

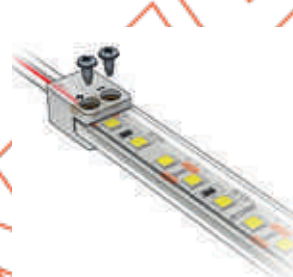
42.004 kit (connector with cable of 10cm, closure endcap, cap with connector neck, screws and silicone)



1. We cut the led strip where indicated.



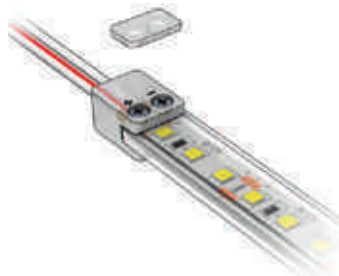
2. We place the strip inside the connector.



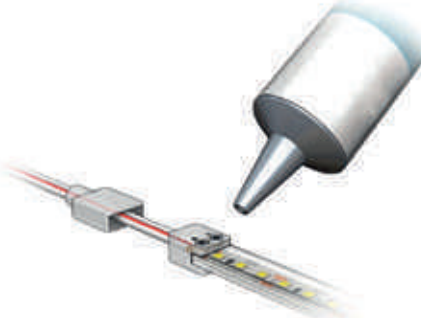
3. We tighten the screws on the connector.



4. We apply silicone on top of the screws.



5. We put the plastic trim on top of the screws.



6. We apply silicone to cover the connector and then we attach the cap.



7. We apply silicone to the end of the strip and we fix the endcap.

### Connectors compatible with our led strips:

- INFINITY
- SOPHIA GHOST PROFILE
- MILANO GHOST PROFILE
- MILANO DOBLE GHOST PROFILE
- AMSTERDAM GHOST PROFILE
- IBIZA
- ZAFIRO
- VIZCAYA
- CANOVELLES

This can be used with the majority of IP20 led strips with a 10mm PCB (single-coloured).

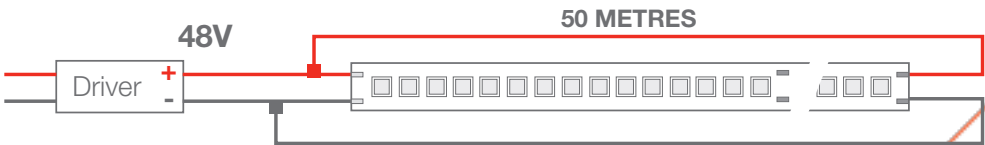
### Connectors compatible with led Profile:

- BERNA
- OSLO
- NEW YORK
- PHILADELPHIA
- DUBLÍN XL.
- TORINO with ref: 18.039
- KANSAS
- PARÍS XL
- ROMA XL
- BERLÍN XL
- SOPHIA XL
- VERSALLES
- INFERNO
- BUDAPEST

UP TO 30 METRES electric feed from only one end



UP TO 50 METRES electric feed from both ends

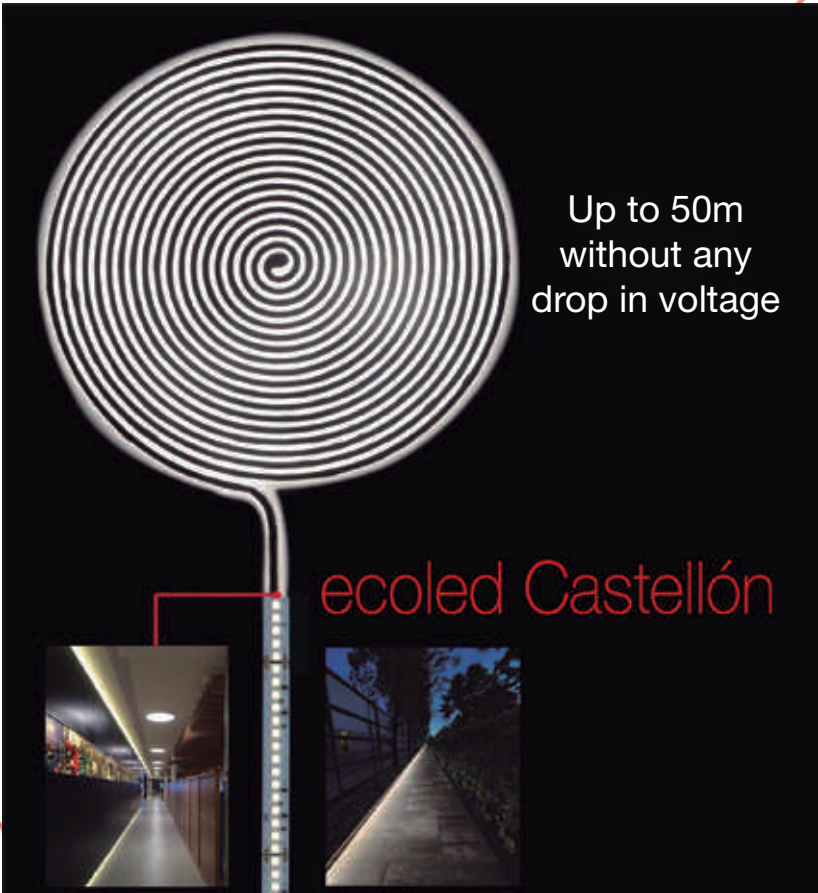


CASTELLÓN 48V



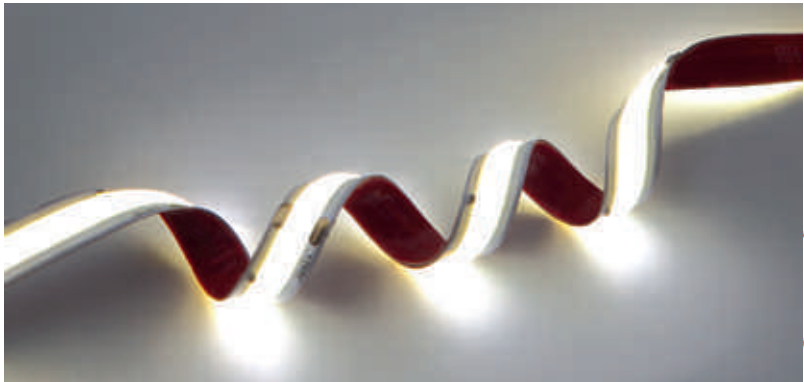
Ref: 33.036 6000°K  
Ref: 33.037 4000°K  
Ref: 33.038 2800°K

Single-coloured flexible strip “PRO”  
IP20 with 150 leds/metre 2835SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB**  
Daily recommended use:18h  
Maximum connection in open circuit: 30m  
Maximum connection in closed circuit: 50m



Power (W)	12.8W/m
Voltage (V)	48V
Led type	SMD2835
Lumens (6000°K)	1327 Lm/m
Lumens (4000°K)	1270 Lm/m
Lumens (2800°K)	1190 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	150
Measurements	10000x10x1.2mm
Cutttable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/10m
Guarantee	3 years





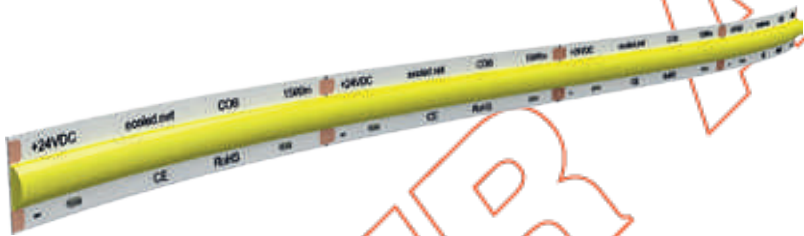
COB



Ref: 31.001 6500°K  
Ref: 31.002 4000°K  
Ref: 31.003 3000°K  
Ref: 31.004 2500°K

Our new flexible led strips with COB technology, allow us to light up luminaires achieving a non-dotting effect. Compared with other conventional ones, our COB strips have the chip directly fixed on the PCB, without requiring a SMD frame. This way, as it is fixed directly to the base of the strip, it offers improved thermal dissipation but its structural strength is normally less. However, our COB led strips have a small iron strip incorporated at the back of the PCB which improves heat dissipation. Its strong point is that it offers 80% more in resistance compared with the rest of COB strips on the market.

Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m



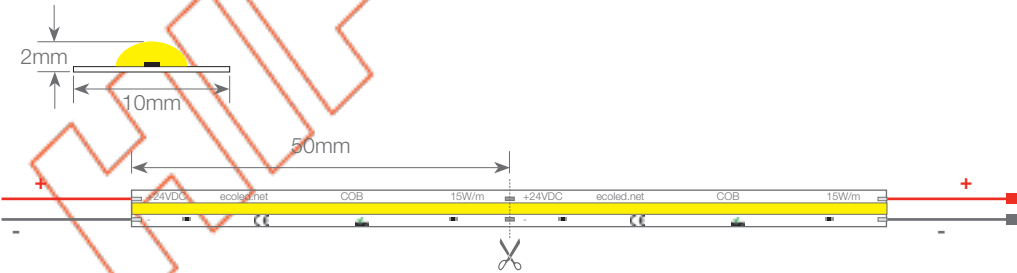
3M VHB adhesive thermal tape

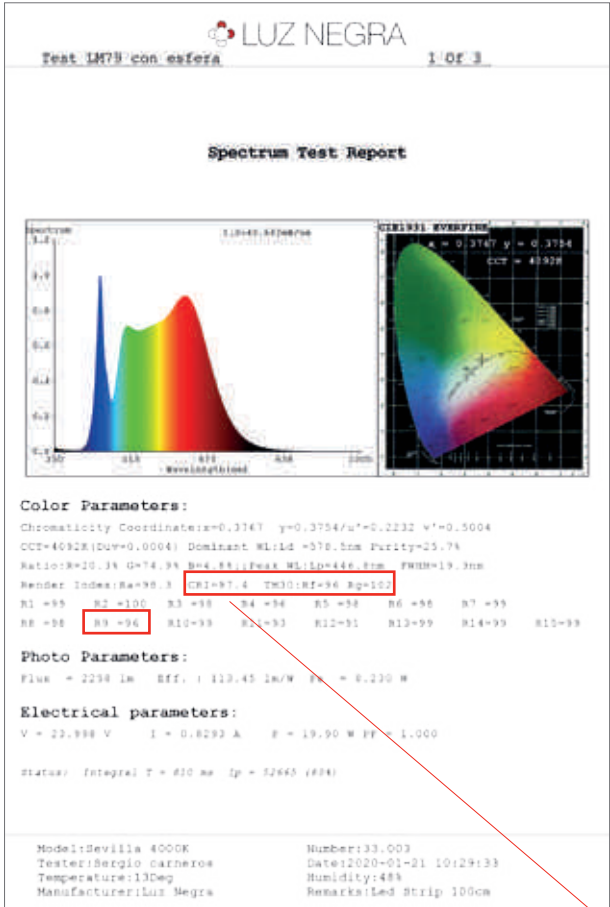
PCB

iron strip

phosphorous

Power (W)	15W/m
Voltage (V)	24V
Led type	COB
Lumens (6500°K)	1530 Lm/m
Lumens (4000°K)	1500 Lm/m
Lumens (3000°K)	1400 Lm/m
Lumens (2500°K)	1330 Lm/m
Light emission	180°
Waterproofing	IP20
N° chips/m	480
Measurements	2x10x5000mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	2 years





SEVILLA FULL COLOUR



Ref: 33.003  
Ref: 33.004

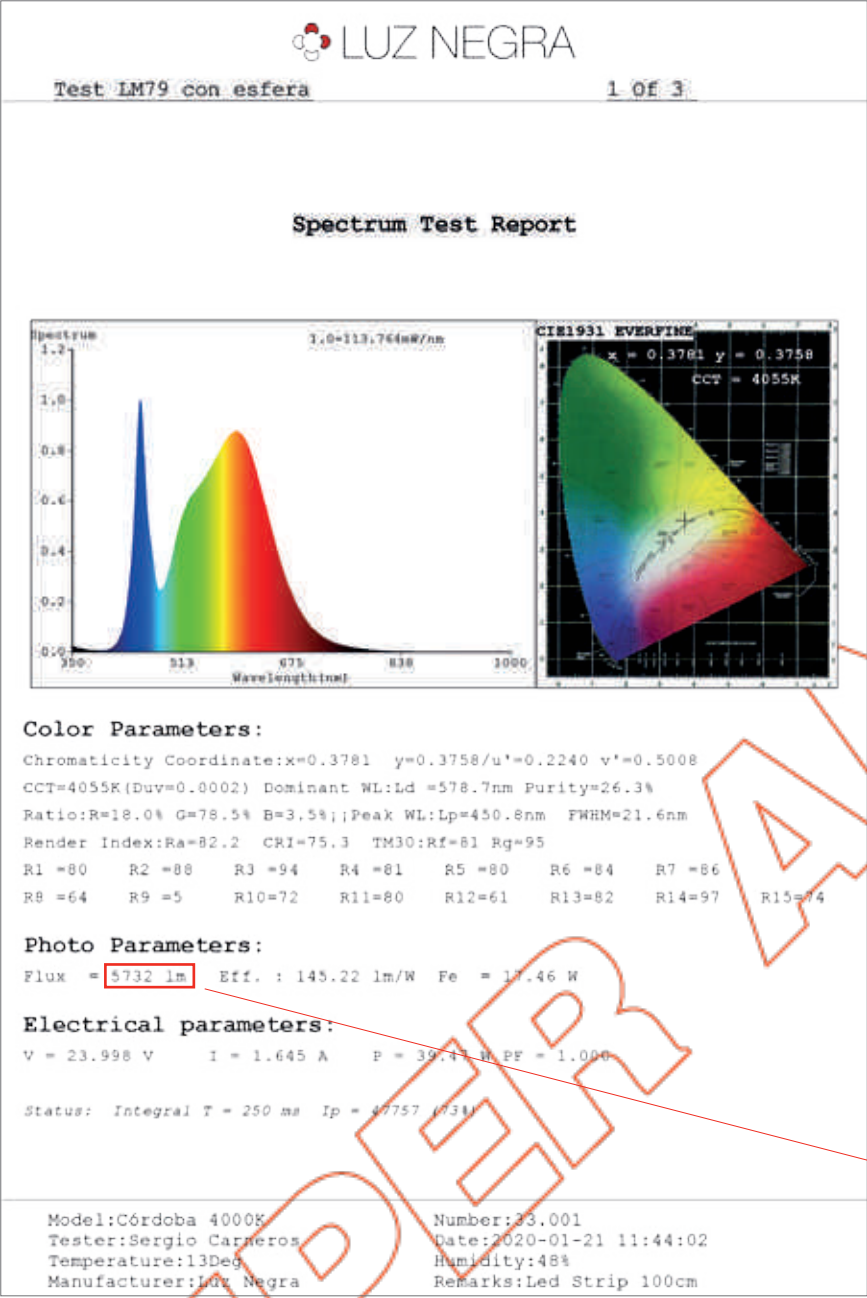
4000°K  
2700°K

Single-coloured flexible strip **"PRO"**  
IP20 with 160 leds/metre 2835SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	20W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (4000°K)	2258 Lm/m
Lumens (2700°K)	2017 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	160
Measurements	5000x10x1.2mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

**FULL COLOUR LED:**  
**very high quality chromatic reproduction**

Full spectrum refers to the completeness of a light source's spectral energy, particularly when compared to natural light sources such as natural daylight. The colours of all objects are highlighted as closely as possible to their real colour as the light closely mimics that of natural daylight. The colour rendering index (CRI) tells us about the way colours appear under a light source and its highest score is at 100, meaning that natural daylight has a CRI value of 100. Thanks to the very high CRI (97-100) in our Sevilla led strip, we achieve a chromatic reproduction which is almost perfect, mimicking how we perceive the objects in sunlight.



Ref: 33.001  
Ref: 33.002

4000°K  
2700°K

Single-coloured flexible strip **"PRO"**  
IP20 with 192 leds/metre 3040SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB**  
Daily recommended use:18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m

Power (W)	40W/m
Voltage (V)	24V
Led type	SMD3040
Lumens (4000°K)	5732 Lm/m
Lumens (2700°K)	5355 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	192
Measurements	3000x10x1.2mm
Cuttable	every 41mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/3m
Guarantee	3 years

**HIGH LUMINOSITY LED:  
more than 5700 lumens/metre**

Our new ecoled strip, Córdoba model, with a PCB of 10mm is probably the brightness flexible strip on the market. Its high luminosity can be compared with constant current rigid strips, used for large luminaires. Due to its high power, it is of utmost importance to apply thermal conductive tape (Ref: 42.039, see page 332), and to be used with aluminum profiles with a high thermal dissipation capacity, such as our Inferno, Versailles, Berlin XL, Roma XL and similar models.



Our new ÉLITE series represents a “before and after” in the understanding of flexible led strips.

Up to now, depending on the power and luminosity of the strip, we would use a different quantity of leds, meaning a different cutting length and often different voltages (12V - 24V). We could also see differences in the type of led (SMD3528 - SMD2835 - SMD5050, etc...).

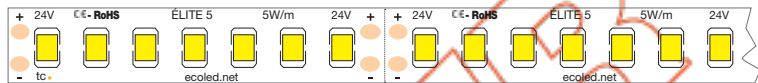
However our new ÉLITE series (with high quality SAMSUNG led) offers a brightness uniformity unseen so far on the market, where all the parameters remain the same even if power and luminosity vary.

We would like to highlight that the ÉLITE 5 model is the only led strip on the market which, apart from offering only 5W/m, gives a totally dot free effect with conventional led profiles.

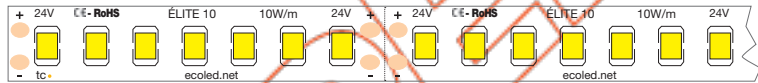
The ÉLITE 15 model is available also in the additional warm tones:  
2100°K - 2400°K - 2700°K.

- One led: 2835 SMD **SAMSUNG**
- The same quantity of leds: 140 leds/metre
- The same cutting length: 50mm / every 7 leds
- The same voltage: 24V

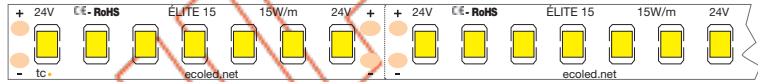
ÉLITE 5 5W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



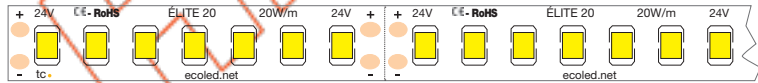
ÉLITE 10 10W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



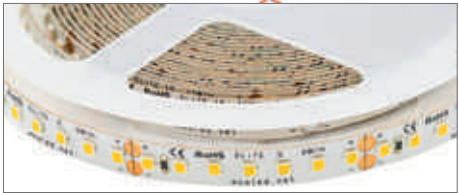
ÉLITE 15 15W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



ÉLITE 20 20W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



ÉLITE 5



Ref: 31.005 6500°K  
Ref: 31.006 4000°K  
Ref: 31.007 3000°K

Single-coloured flexible strip **ÉLITE**  
IP20 with 140 leds/metre 2835SMD.

**10mm PCB.**

Requires use with led profile to permit dissipation.

**Heat dissipation tape included.**

**CRI >80.**

Daily recommended use: 18h

Maximum connection in open circuit: 12m

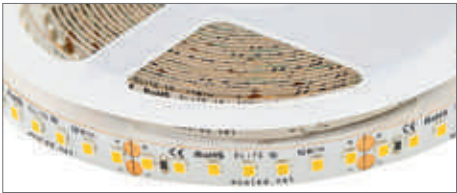
Maximum connection in closed circuit: 20m

Power (W)	5W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	700 Lm/m
Lumens (4000°K)	705 Lm/m
Lumens (3000°K)	680 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	140
Measurements	5000x10x1.2mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

4  
POWERS

MAXIMUM  
UNIFORMITY

ÉLITE 10

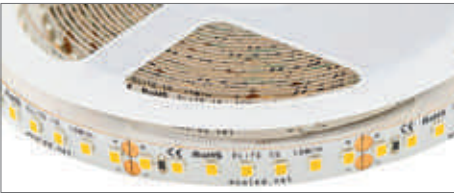


Ref: 31.008                    6500°K  
Ref: 31.009                    4000°K  
Ref: 31.010                    3000°K

Single-coloured flexible strip **ÉLITE**  
IP20 with 140 leds/metre 2835SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**CRI >80.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 10m  
Maximum connection in closed circuit: 18m

Power (W)	10W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	1250 Lm/m
Lumens (4000°K)	1200 Lm/m
Lumens (3000°K)	1150 Lm/m
Led type	120°
Waterproofing	IP20
N° leds/m	140
Measurements	5000x10x1.2mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

ÉLITE 15

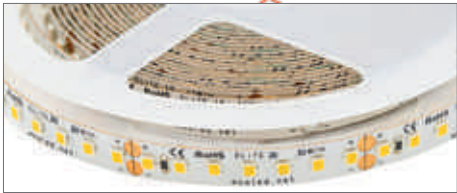


Ref: 31.011                    6500°K  
Ref: 31.012                    4000°K  
Ref: 31.013                    3000°K  
Ref: 31.014                    2700°K  
Ref: 31.015                    2400°K  
Ref: 31.016                    2100°K

Single-coloured flexible strip **ÉLITE**  
IP20 with 140 leds/metre 2835SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**CRI >80.**  
Daily recommended use: 18h.  
Maximum connection in open circuit: 8m  
Maximum connection in closed circuit: 15m

Power (W)	15W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	1920 Lm/m
Lumens (4000°K)	1875 Lm/m
Lumens (3000°K)	1850 Lm/m
Lumens (2700°K)	1800 Lm/m
Lumens (2400°K)	1725 Lm/m
Lumens (2100°K)	1500 Lm/m
Led type	120°
Waterproofing	IP20
N° leds/m	140
Measurements	5000x10x1.2mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

ÉLITE 20



Ref: 31.017                    6500°K  
Ref: 31.018                    4000°K  
Ref: 31.019                    3000°K

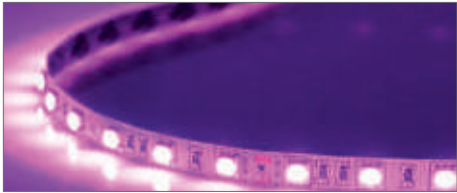
Single-coloured flexible strip **ÉLITE**  
IP20 with 140 leds/metre 2835SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**CRI >80.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	20W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	2060 Lm/m
Lumens (4000°K)	2050 Lm/m
Lumens (3000°K)	2010 Lm/m
Led type	120°
Waterproofing	IP20
N° leds/m	140
Measurements	5000x10x1.2mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years



- Photometric curves and IES & LDT files (for DIALux and RELUX), can be carried out in our laboratory and available on request.

PINK 10

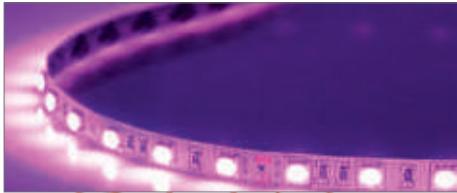


Ref: 30.001

PINK (PINK 10)

Single-coloured flexible led strip with “**PINK EFFECT**”, very useful for combining with neon type silicone profiles.  
Requires use with led profile to permit dissipation.  
**5mm PCB**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m

PINK 20



Ref: 31.020

PINK (PINK 20)

Single-coloured flexible led strip with “**PINK EFFECT**”, very useful for combining with neon type silicone profiles.  
Requires use with led profile to permit dissipation.  
**10mm PCB**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m



Power (W)	10W/m
Voltage (V)	12V
Lumens	200 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	120
Measurements	5000x5x1.2mm
Cutable	every 25mm
Guarantee	3 years

Power (W)	20W/m
Voltage (V)	24V
Lumens	420 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	168
Measurements	5000x10x1.2mm
Cutable	every 42mm
Guarantee	3 years



## ¿What is the PREMIUM RETAIL series?

This is a led strip series, which is specifically oriented towards retail channels and commerce. Their CRI ratings are high (90-95), they are equipped with voltage stabilizers (which allow us to make longer installations without running the risk of voltage drops), their performance rating is of 100 lumens/W (higher than regular led strips) and they offer a **4 year guarantee**.

## ¿Why should I choose the PREMIUM RETAIL series?

Most of the led strips currently available on the market have CRI (Colour Rendering Index) ratings ranged between 60 and 80. Our Premium Retail series offers CRI values placed between 90 and 95.

## ¿What is the purpose of having a high CRI rating?

The light emission of led Strips with high CRI ratings does not distort the colours of images as the human eye sees them. Therefore, by using them, we are able to see the true colours of fabrics, fibres, textile products and other materials.

## ¿Why don't all led strips have a high CRI?

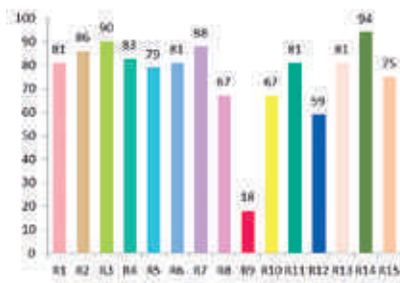
First of all, high rated CRI performances can be useful only when warm or neutral colours are being used. Furthermore, in such cases we use a different and more expensive type of phosphorous, which also affects the led strip by reducing its lighting performance in 20% compared with regular led strips. Therefore, unless the product is oriented towards retail channels or similar targets, the product is not advisable.

# PREMIUM RETAIL Led strips

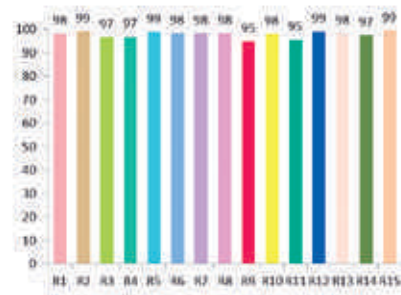


Colour values in high rated CRI led strips are also greater than those offered by regular strips. Amongst these colour values, "R9" significantly affects the overall results and it is considered the most important value. By using our spectroradiometer, which is also equipped with an integrated sphere, we can carry out readings for the different "R" values in order to ensure a high CRI rating.

Led strip with CRI>80



Led strip with CRI>98



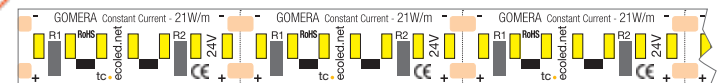
If we compare luminosity with both high and low CRI, those colours with a low CRI rating appear less real and more faded.



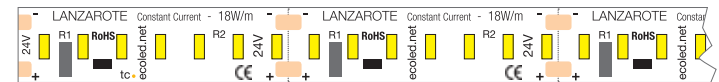
CRI >90



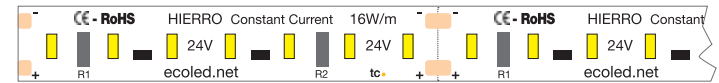
CRI 60



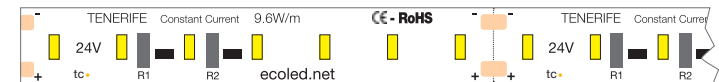
ecoled GOMERA. High luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.



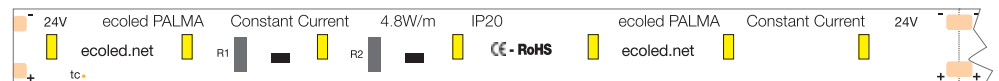
ecoled LANZAROTE. High luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.



ecoled HIERRO. Medium luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.



ecoled TENERIFE. Low luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.



ecoled PALMA. Low luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.

PALMA



Ref: 33.005                      4200°K  
Ref: 33.006                      3200°K  
Ref: 33.007                      2850°K

Single-coloured **PREMIUM RETAIL** flexible strip  
IP20, with 56 leds/metre 3014SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Current stabiliser.**  
**CRI >90.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 10m  
Maximum connection in closed circuit: 20m

Power (W)	4.8W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	480 Lm/m
Lumens (3200°K)	450 Lm/m
Lumens (2850°K)	430 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	56
Measurements	5000x10x1.2mm
Cuttable	every 125mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years

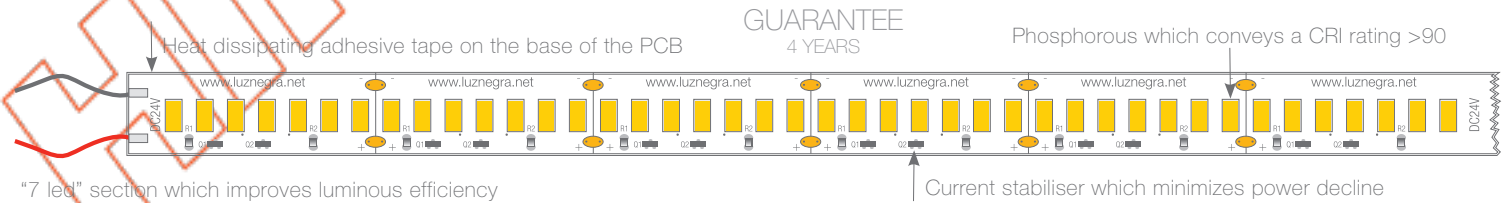
TENERIFE



Ref: 33.008                      4200°K  
Ref: 33.009                      3200°K  
Ref: 33.010                      2850°K

Single-coloured **PREMIUM RETAIL** flexible strip  
IP20, with 112 leds/metre 3014SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Current stabiliser.**  
**CRI >90.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 10m  
Maximum connection in closed circuit: 20m

Power (W)	9.6W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	960 Lm/m
Lumens (3200°K)	900 Lm/m
Lumens (2850°K)	864 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	112
Measurements	5000x10x1.2mm
Cuttable	every 62.5mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years



HIERRO



Ref: 33.011                    4200°K  
Ref: 33.012                    3200°K  
Ref: 33.013                    2850°K

Single-coloured **PREMIUM RETAIL** flexible strip  
IP20, with 126 leds/metre 3014SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Current stabiliser.**  
**CRI >90.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	16W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	1850 Lm/m
Lumens (3200°K)	1700 Lm/m
Lumens (2850°K)	1500 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	126
Measurements	5000x10x1.2mm
Cutable	every 55.55mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years

LANZAROTE



Ref: 33.014                    4200°K  
Ref: 33.015                    3200°K  
Ref: 33.016                    2850°K

Single-coloured flexible strip **PREMIUM RETAIL**  
IP20 with 196 leds/metre 3014SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Current stabiliser.**  
**CRI >90.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	18W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	2100 Lm/m
Lumens (3200°K)	2000 Lm/m
Lumens (2850°K)	1850 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	196
Measurements	5000x10x1.2mm
Cutable	every 35.7mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years

GOMERA



Ref: 33.017                    4200°K  
Ref: 33.018                    3200°K  
Ref: 33.019                    2850°K

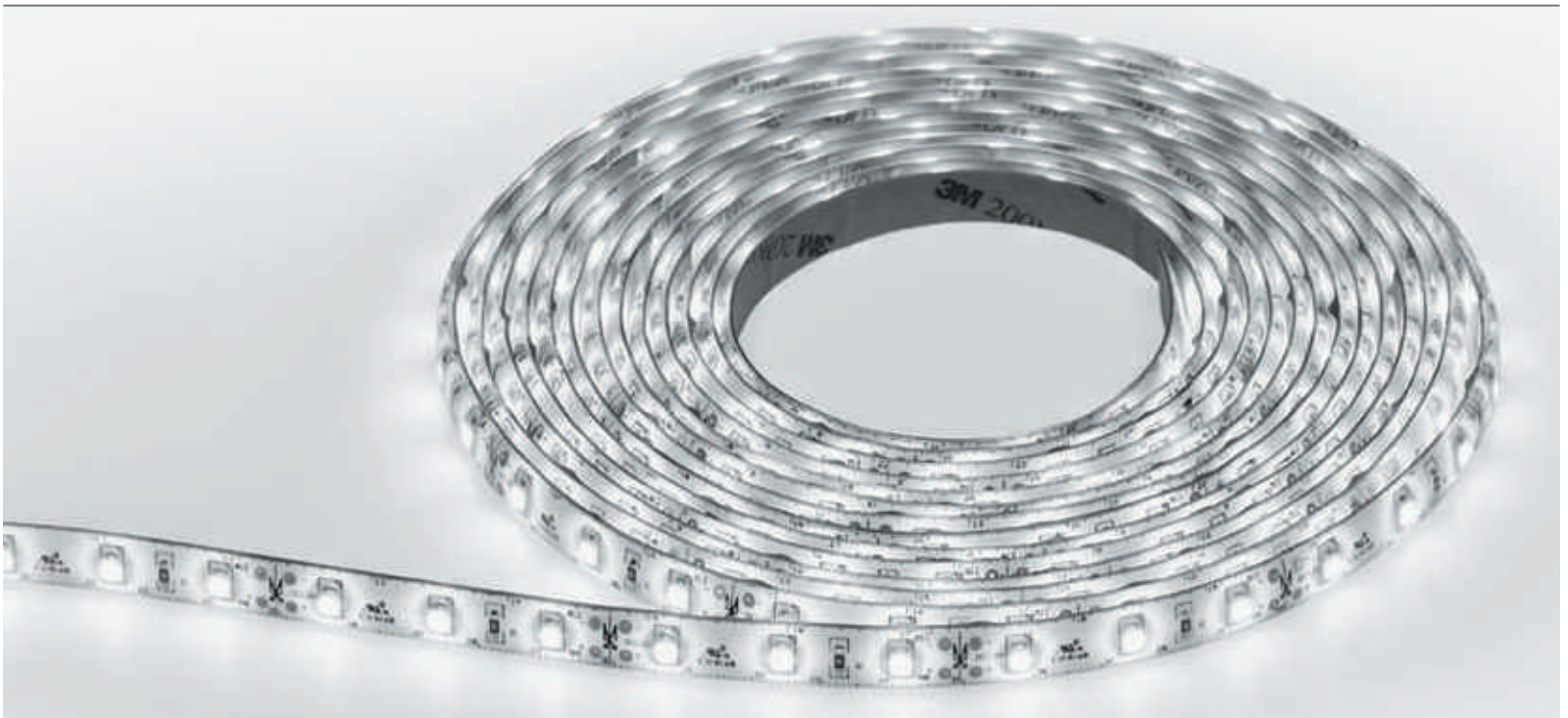
Single-coloured flexible strip **PREMIUM RETAIL**  
IP20 with 238 leds/metre 3014SMD.  
**10mm PCB.**  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Current stabiliser.**  
**CRI >90.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	21W/m
Voltage (V)	24V
Led type	SMD3014
Lumens (4200°K)	2450 Lm/W
Lumens (3200°K)	2300 Lm/W
Lumens (2850°K)	2100 Lm/W
Light emission	120°
Waterproofing	IP20
Nº leds/m	238
Measurements	5000x10x1.2mm
Cutable	every 29.4mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	4 years



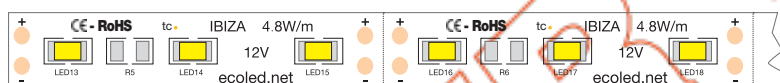
- Photometric curves and IES & LDT files (for DIALux and RELUX), can be carried out in our laboratory and available on request.





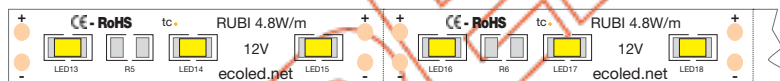
Low luminosity flexible strips which are ideal for ambience lighting or signage.

We would like to highlight the IBIZA led strip which is the star model in this series, offering maximum guarantee and reliability and has been our best seller since 2008. It is also the only strip in this section which offers our exclusive watertight system, waterproof DUO IP67.



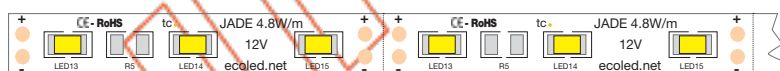
ecoled IBIZA "PRO"

Low luminosity flexible strip, 12V, IP67 waterproof DUO, 10mm PCB. Can be cut every 3 leds.



ecoled RUBÍ "BASIC"

Low luminosity flexible strip, 12V, IP65, 10mm PCB. Can be cut every 3 leds.



ecoled JADE "BASIC"

Low luminosity flexible strip, 12V, IP20, 8mm PCB. Can be cut every 3 leds.



JADE



Ref: 30.002                    6500°K  
Ref: 30.003                    3500°K

Single-coloured flexible strip **BASIC**  
IP20 with 60 leds/metre 3528SMD.  
**8mm PCB.**  
Daily recommended use: 12h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	4.8W/m
Voltage (V)	12V
Led type	SMD3528
Lumens <sup>(6500°K)</sup>	500 Lm/m
Lumens <sup>(3500°K)</sup>	400 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	60
Measurements	5000x8x3mm
Cuttable	every 50mm
PCB	8mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	2 years

RUBÍ



Ref: 30.004                    6000°K  
Ref: 30.005                    2800°K  
Ref: 30.006                    red  
Ref: 30.007                    blue  
Ref: 30.008                    green  
Ref: 30.009                    amber

Single-coloured flexible strip **BASIC**  
IP65 with 60 leds/metre 3528SMD.  
**10mm PCB.**  
Daily recommended use: 12h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	4.8W/m
Voltage (V)	12V
Led type	SMD3528
Lumens <sup>(6000°K)</sup>	400 Lm/m
Lumens <sup>(2800°K)</sup>	300 Lm/m
Light emission	120°
Waterproofing	IP65
Nº leds/m	60
Measurements	5000x10x4mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

IBIZA



REF: 30.010                    7300°K  
REF: 30.011                    4000°K  
REF: 30.012                    2800°K

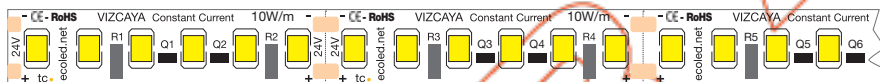
Single-coloured flexible strip **Waterproof DUO**  
PRO IP67 with 60 leds/metre 3528SMD.  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 10m  
Maximum connection in closed circuit: 20m

Power (W)	4.8W/m
Voltage (V)	12V
Led type	SMD3528
Lumens <sup>(7300°K)</sup>	480 Lm/m
Lumens <sup>(4000°K)</sup>	450 Lm/m
Lumens <sup>(2800°K)</sup>	430 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
Nº leds/m	60
Measurements	5000x10x4mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years



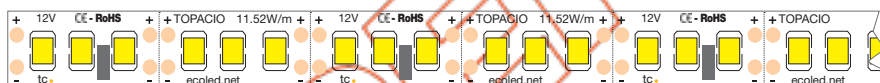
Medium luminosity flexible strips, which are ideal for ambience lighting or for using with furniture, shelving, cornices, etc. We can achieve a good dot free effect with led profiles with medium and large depths, such as our Roma and Berlín models, or similar.

We would like to highlight our VIZCAYA model which offers an excellent relation between Lumens/Watts and with just over 10W gives the same lighting as conventional strips with 14.4W/m. It also incorporates a current stabiliser which allows us to install up to 15m continuously without hardly any tension drop. It is also the only strip in this section which offers our exclusive watertight system, waterproof DUO IP67.



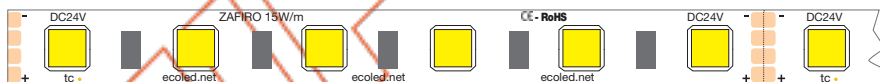
ecoled VIZCAYA "PRO"

Medium luminosity flexible strip, current stabiliser, 24V, IP67 waterproof DUO. 10mm PCB. Can be cut every 6 leds.



ecoled TOPACIO "BASIC"

Medium luminosity flexible strip, 12V, IP20. 10mm PCB. Can be cut every 3 leds.



ecoled ZAFIRO "BASIC"

Medium luminosity flexible strip, 24V, IP65. 10mm PCB. Can be cut every 6 leds.



ZAFIRO



Ref: 31.021                    7800°K  
Ref: 31.022                    4000°K  
Ref: 31.023                    2800°K

Single-coloured flexible strip **BASIC**  
IP65 with 60 leds/metre 5050SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB.**  
Daily recommended use: 12h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	15W/m
Voltage (V)	24V
Led type	SMD5050
Lumens <sup>(7800°K)</sup>	1300 Lm/m
Lumens <sup>(4000°K)</sup>	1200 Lm/m
Lumens <sup>(2800°K)</sup> 1	1100 Lm/m
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cuttable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

TOPACIO



Ref: 30.013                    6000°K  
Ref: 30.014                    2800°K

Single-coloured flexible strip **BASIC**  
IP20 with 144 leds/metre 3528SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB.**  
Daily recommended use: 12h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	11.52W/m
Voltage (V)	12V
Led type	SMD3528
Lumens <sup>(6000°K)</sup>	864 Lm/m
Lumens <sup>(2800°K)</sup>	682 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	144
Measurements	5000x10x4mm
Cuttable	every 20mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	2 years

VIZCAYA



Ref: 33.020                    6500°K  
Ref: 33.021                    4000°K  
Ref: 33.022                    3000°K  
Ref: 33.023                    2800°K

Single-coloured flexible strip **PRO Waterproof**  
**DUO** IP67 with 144 leds/metre 3528SMD.  
Requires use with led profile to permit dissipation.  
**10mm PCB.**  
**Current stabiliser.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 10m  
Maximum connection in closed circuit: 20m

Power (W)	10W/m
Voltage (V)	24V
Led type	SMD3528
Lumens <sup>(6500°K)</sup>	1100 Lm/m
Lumens <sup>(4000°K)</sup>	980 Lm/m
Lumens <sup>(3000°K)</sup>	960 Lm/m
Lumens <sup>(2800°K)</sup>	910 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
N° leds/m	144
Measurements	5000x10x4mm
Cuttable	every 42mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years

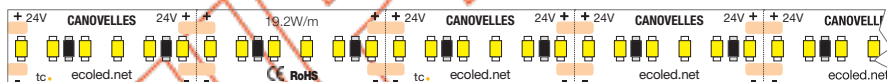


High luminosity flexible strip with a high density of leds which permits a dot free effect in the opal or frosted cover, even when we use the shallower led profiles, Milano, Frankfurt or similar.



High luminosity flexible led strip, 12V, IP20, 10mm PCB. It can be cut every 3 leds.

ecoled BARCELONA "PRO"

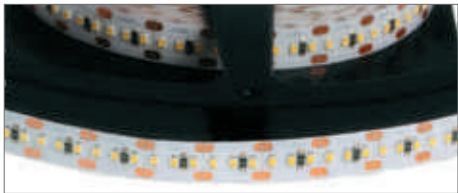


High luminosity flexible led strip, 24V, IP67 waterproof DUO, 10mm PCB. It can be cut every 6 leds.

ecoled CANOVELLES "PRO"



BARCELONA

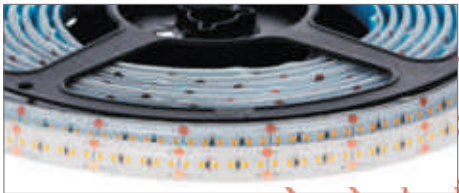


Ref: 32.001                      6500°K  
Ref: 32.002                      4000°K  
Ref: 32.003                      3000°K

Single-coloured flexible strip **PRO**  
IP20 with 240 leds/metre 2216SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m

Power (W)	19.2W/m
Voltage (V)	12V
Led type	SMD2216
Lumens (6500°K)	1600 Lm/m
Lumens (4000°K)	1400 Lm/m
Lumens (3000°K)	1200 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	240
Measurements	5000x10x1.2mm
Cutable	every 12.5mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

CANOVELLES

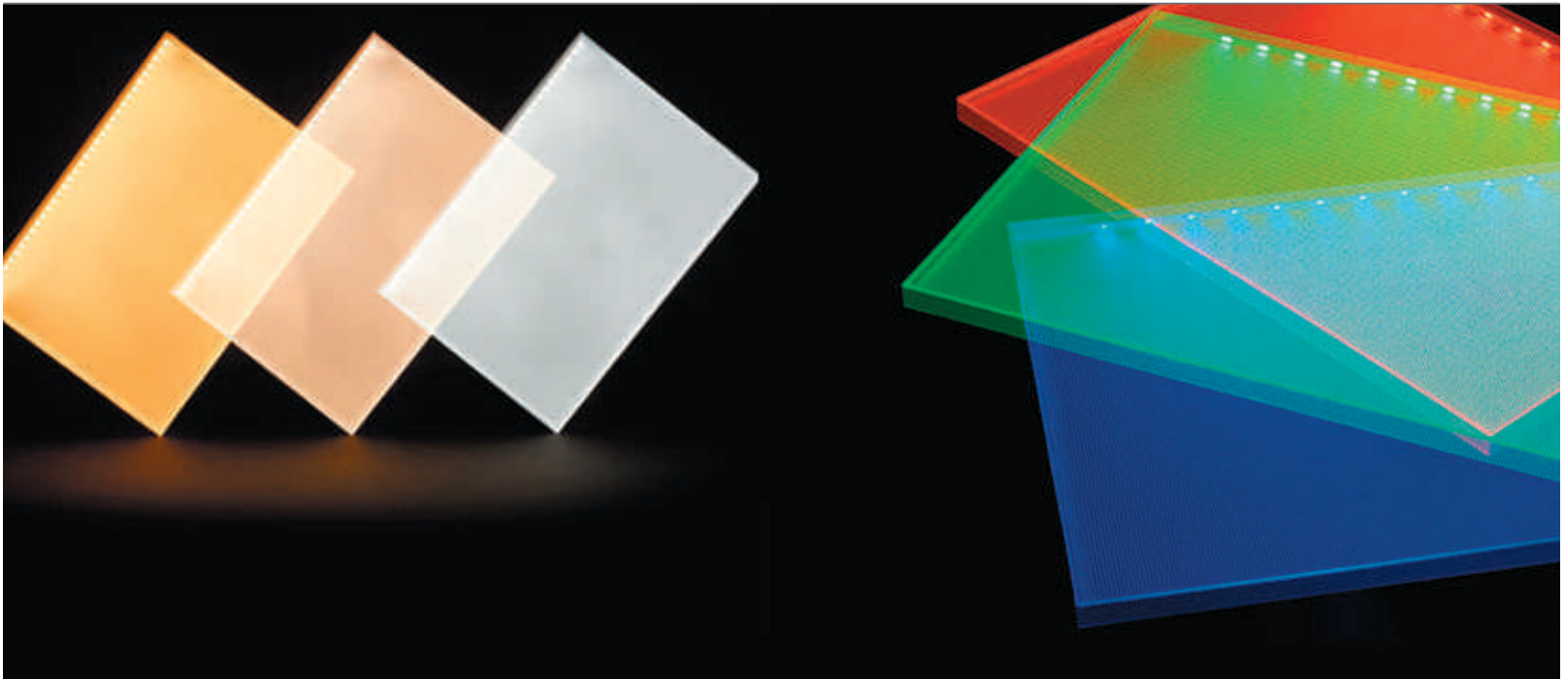


Ref: 33.024                      6000°K  
Ref: 33.025                      4000°K  
Ref: 33.026                      2800°K

Single-coloured flexible strip **PRO Waterproof**  
**DUO** IP67 with 240 leds/metre 2216SMD.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m

Power (W)	19.2W/m
Voltage (V)	24V
Led type	SMD2216
Lumens (6000°K)	1600 Lm/m
Lumens (4000°K)	1400 Lm/m
Lumens (3000°K)	1200 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
Nº leds/m	240
Measurements	5000x10x3mm
Cutable	every 25mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years



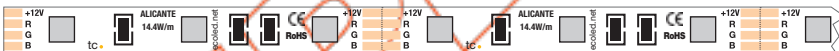


Flexible strips with widths of only 4-5-6mm. These are specially indicated for illuminating the sides of optic methacrylate Dotting. These are used in the manufacturing of luminous signs, extra thin luminaires, ceiling panels and in general commercial lighting and furniture. They are also highly recommended for using with narrow led profiles, such as our Detroit model (see page 62).

Due to the elevated quantity of dots and high luminosity in the single-coloured led models, they are very useful in conventional profiles as the dots are well diffused in the vast majority of the shallow models.



High luminosity flexible led strip, 24V, IP20, 5mm PCB. It can be cut every 8 leds.



Medium luminosity flexible led strip, RGB, 12V, IP20, 6mm PCB. It can be cut every 3 leds.



Medium luminosity flexible led strip, 12V, IP20, 5mm PCB. It can be cut every 3 leds.

ecoled GRANADA "PRO"

OSRAM  
LED

ecoled ALICANTE RGB "PRO"

ecoled CIES "PRO"



CÍES



- Ref: 32.004 6000°K
- Ref: 32.005 4000°K
- Ref: 32.006 3000°K
- Ref: 32.007 red
- Ref: 32.008 green
- Ref: 32.009 blue

Single-coloured flexible strip **PRO**  
IP20 with 198 leds/metre 2110SMD.  
Requires use with led profile to permit dissipation.  
**5mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3m  
Maximum connection in closed circuit: 6m

Power (W)	10W/m
Voltage (V)	12V
Led type	SMD2110
Lumens (6000°K)	1200 Lm/m
Lumens (4000°K)	1150 Lm/m
Lumens (3000°K)	1100 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	198
Measurements	5000x5x1.2mm
Cuttable*	every 15mm
PCB	5mm
Working temperature	-40°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

\* In red colour every 20mm

ALICANTE RGB



Ref: 32.010 RGB

Flexible led strip **RGB “PRO”**  
IP20 with 198 leds/metre 3535SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**6mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 2.5m  
Maximum connection in closed circuit: 5m

Power (W)	14.4W/m
Voltage (V)	12V
Led type	SMD3535
Lumens (blanco)	400 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	60
Measurements	5000x6x3mm
Cuttable	every 50mm
PCB	6mm
Working temperature	-20°C / +40°C
Secuencer	not included
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

GRANADA **OSRAM** LED



- Ref: 33.027 6500°K
- Ref: 33.028 4000°K
- Ref: 33.029 2700°K

Single-coloured flexible led strip **“PRO”**  
IP20 with 128 leds/metre 2835SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**5mm PCB.**  
**CRI >80.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	21W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	3150 Lm/m
Lumens (4000°K)	3000 Lm/m
Lumens (2700°K)	2850 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	128
Measurements	5000x5x1.1mm
Cuttable	every 62.5mm (8 leds)
PCB	5mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years



- Photometric curves and IES & LDT files (for DIALux and RELUX), can be carried out in our laboratory and available on request.



Chicago led profile

Our flexible led strips for SIDE LIGHTING are different from the other ones in this catalogue as they offer side illumination instead of front lighting and can be curved in an “S” shape.

These are specially suitable for very narrow led profiles, such as our Chicago (see page 58) and Dallas (see page 76). They are also ideal for corporate letters and commercial furnishings/displays where we need to bend the led strips.



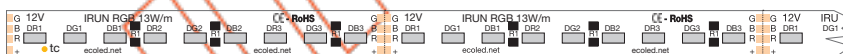
Medium luminosity flexible led strip, 12V, IP67 waterproof DUO, 5mm PCB. It can be cut every 3 leds.

ecoled MENORCA “PRO”



Medium luminosity flexible led strip 12V, IP20, 6mm PCB. It can be cut every 3 leds.  
Ideal for use with our Chicago and Dallas led profiles .

ecoled GETAFE “PRO”



Medium luminosity RGB flexible led strip (1 colour per led), 12V, IP20, 6mm PCB. It can be cut every 9 leds.  
Ideal for use with our led profiles Chicago and Dallas.

ecoled IRÚN RGB “PRO”





MENORCA



Ref: 32.011                    5500°K  
Ref: 32.012                    4000°K  
Ref: 32.013                    2800°K

Single-coloured flexible strip “**PRO**”  
IP67 with 96 leds/metre 3014SMD.  
**Side lighting flexible led strip.**  
**5mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	7.7W/m
Voltage (V)	12V
Led type	SMD3014
Lumens <sup>(5500°K)</sup>	600 Lm/m
Lumens <sup>(4000°K)</sup>	550 Lm/m
Lumens <sup>(2800°K)</sup>	500 Lm/m
Light emission	120°
Waterproofing	IP67
Nº leds/m	96
Measurements	5000x5x10mm
Cutable	every 31mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years

GETAFE



Ref: 32.014                    6000°K  
Ref: 32.015                    4000°K  
Ref: 32.016                    2800°K

Single-coloured flexible strip “**PRO**”  
IP20 with 120 leds/metre 3014SMD.  
Requires use with led profile to permit dissipation.  
**Side lighting flexible led strip.**  
**6mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	10W/m
Voltage (V)	12V
Led type	SMD3014
Lumens <sup>(6000°K)</sup>	953 Lm/m
Lumens <sup>(4000°K)</sup>	946 Lm/m
Lumens <sup>(2800°K)</sup>	940 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	120
Measurements	5000x6x1.8mm
Cutable	every 25mm
PCB	6mm
Working temperature	-25°C / +45°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

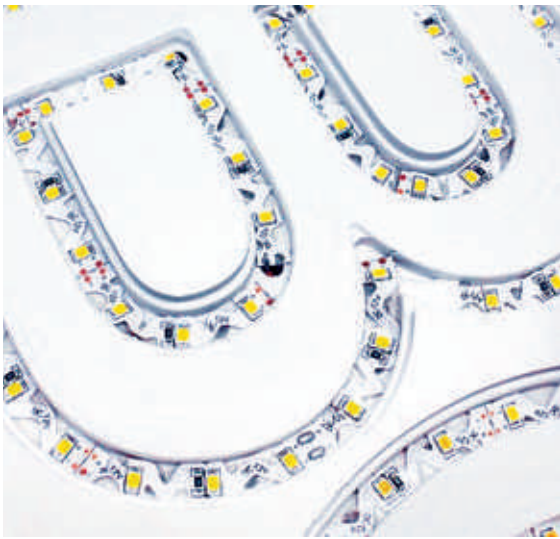
IRÚN <sup>RGB</sup>



Ref: 32.017                    RGB

**RGB** flexible led strip “**PRO**”  
IP20 with 180 leds/metre 3014SMD.  
Requires use with led profile to permit dissipation.  
**Side lighting flexible led strip.**  
**6mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 4m  
Maximum connection in closed circuit: 8m

Power (W)	13W/m
Voltage (V)	12V
Led type	SMD3014
Lumens <sup>(white)</sup>	400 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	180
Measurements	5000x6x1.6mm
Cutable	every 50mm <sup>(9 leds)</sup>
PCB	6mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years



These flexible led strips are die-cut in ZIG-ZAG and this allows us to bend the PCB to achieve right angles, curves and geometrical shapes. They are ideal for corporate letters and for commercial furnishings, where we need to deal with irregular shapes.

Our AVILA model has undergone a waterproofing process called “nanocoating” which offers an IP54 and is covered in a very fine layer of plastic which is practically invisible and protects the flexible strip from humidity.



High luminosity flexible led strip with PCB in ZIG ZAG (maximum light power in this type of led).  
12V, IP54, 6mm PCB. It can be cut every 3 leds.

ecoled ÁVILA “PRO”



Medium luminosity flexible RGB led strip with PCB in ZIG ZAG, 12V, IP20, 8.5mm PCB. It can be cut every 3 leds.

ecoled JEREZ RGB “PRO”

ÁVILA



Ref: 32.018	6000°K
Ref: 32.019	4400°K
Ref: 32.020	3000°K
Ref: 32.021	blue
Ref: 32.022	red
Ref: 32.023	green
Ref: 32.024	amber

Single-coloured flexible led strip **PRO**  
IP54 **nanocoating** with 60 leds/metre 2835SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**6mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 2.5m  
Maximum connection in closed circuit: 5m

Power (W)	12W/m
Voltage (V)	12V
Led type	SMD2835
Lumens <sup>(6000°K)</sup>	1100 Lm/m
Lumens <sup>(4400°K)</sup>	1000 Lm/m
Lumens <sup>(3000°K)</sup>	920 Lm/m
Light emission	120°
Waterproofing	IP54
Nº leds/m	60
Measurements	5000x6x3mm
Cuttable	every 50mm
PCB	6mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years

JEREZ <sup>RGB</sup>



Ref: 32.028                      RGB

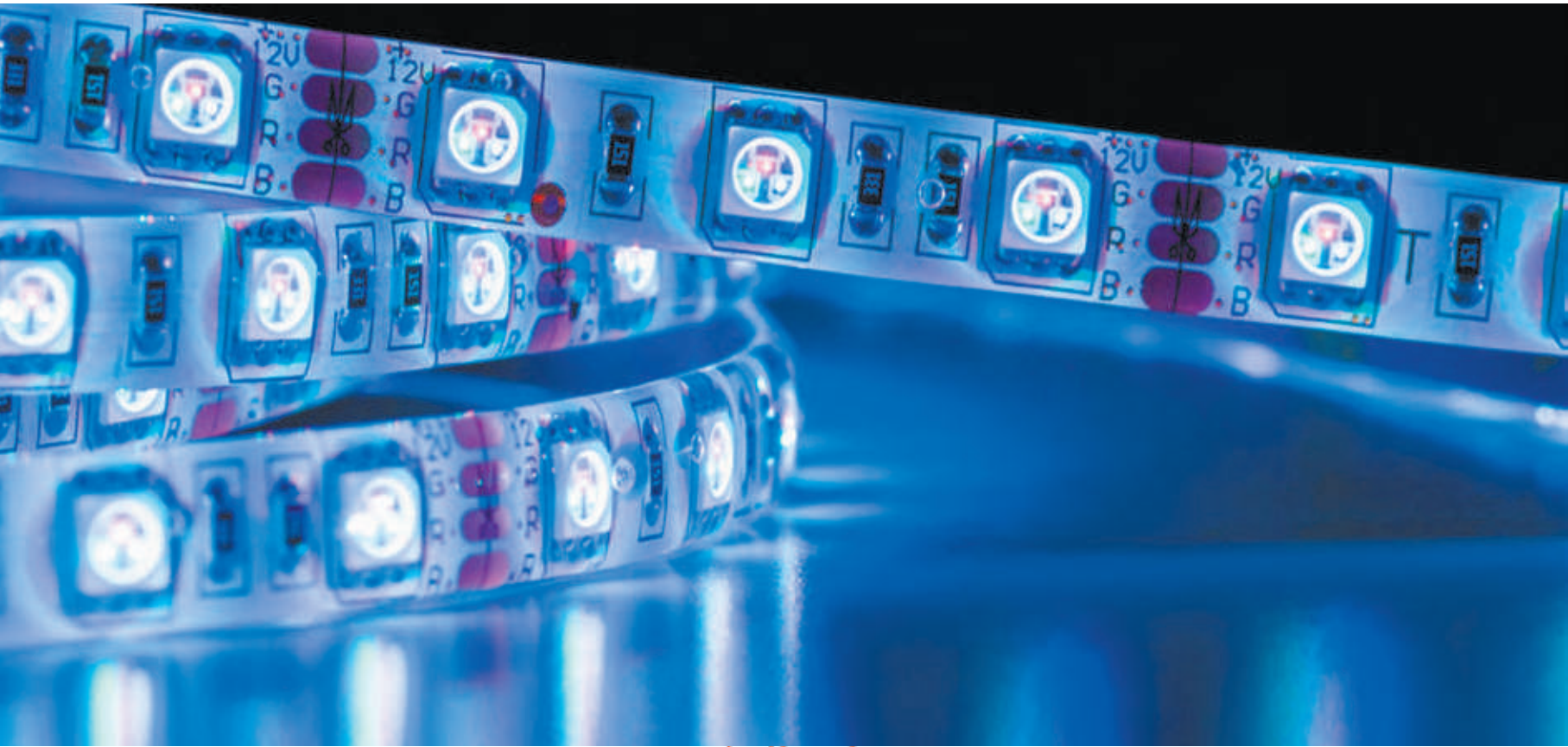
**RGB flexible strip PRO**  
IP20 with 48 leds/metre 5050SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 3.5m  
Maximum connection in closed circuit: 7m

Power (W)	11.52W/m
Voltage (V)	12V
Led type	SMD5050
Lumens <sup>(white)</sup>	400 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	48
Measurements	5000x8.5x1.8mm
Cuttable	every 60mm
PCB	8.5mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

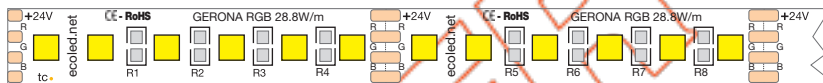


- Photometric curves and IES & LDT files (for DIALux and RELUX), can be carried out in our laboratory and available on request.



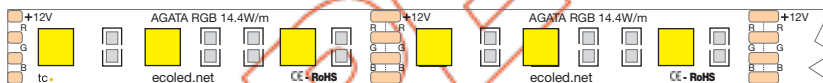


RGB flexible led strips (with 3 chips in the same diode). We can control the colour by means of a controller or sequencer. All the leds in the RGB flexible led strip display the same colour at the same time.



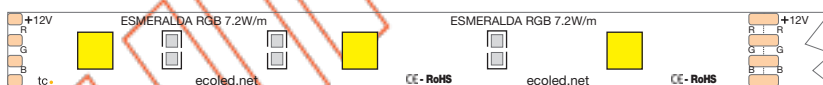
Very high luminosity RGB flexible led strip, 24V, IP20, 10mm PCB. It can be cut every 6 leds.

ecoled GERONA RGB “PRO”



Medium luminosity RGB flexible led strip, 12V, IP65, 10mm PCB. It can be cut every 3 leds.

ecoled ÁGATA RGB “BASIC”



Low luminosity RGB flexible led strip, 12V, IP65, 10mm PCB. It can be cut every 3 leds.

ecoled ESMERALDA RGB “BASIC”



ESMERALDA RGB



Ref: 30.015 RGB

**RGB flexible led strip “BASIC”**  
IP65 with 30 leds/metre 5050SMD.  
**10 mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	7.2W/m
Voltage (V)	12V
Led type	SMD5050
Lumens <sup>(white)</sup>	221 Lm/m
Light emission	120°
Waterproofing	IP65
Nº leds/m	30
Measurements	5000x10x4mm
Cuttable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

ÁGATA RGB

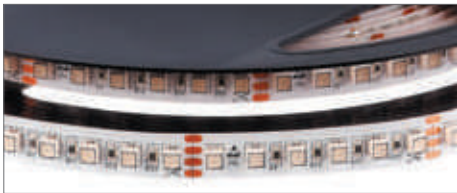


Ref: 30.016 RGB

**RGB flexible led strip “BASIC”**  
IP65 with 60 leds/metre 5050SMD.  
Requires use with led profile to permit dissipation.  
**10 mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 10m

Power (W)	14.4W/m
Voltage (V)	12V
Led type	SMD5050
Lumens <sup>(white)</sup>	350 Lm/m
Light emission	120°
Waterproofing	IP65
Nº leds/m	60
Measurements	5000x10x4mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +45°C
Sequencer	not included
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

GERONA RGB

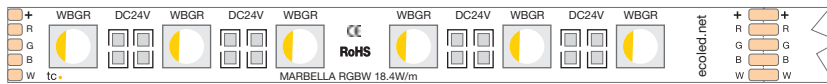


Ref: 33.030 RGB

**RGB flexible led strip “PRO”**  
IP20 with 120 leds/metre 3535SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10 mm PCB.**  
**High power RGB led strip.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 4m  
Maximum connection in closed circuit: 8m

Power (W)	28.8W/m
Voltage (V)	24V
Led type	SMD3535
Lumens <sup>(white)</sup>	800 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	120
Measurements	5000x10x3mm
Cuttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

RGB+W high power flexible led strip which combines in one housing a red-green-blue chip along with warm white. We can achieve a wider range of colours than with a normal RGB led (a more intense white and also coloured degradation to offer pastel tones). It comes with heat dissipation tape. On pages 314 & 315 you can also see controllers and amplifiers for this product.



Very high luminosity RGB+W flexible led strip, 24V, IP20, 10mm PCB. It can be cut every 6 leds.

ecoled MARBELLA RGB+3000°K "PRO"



This is a flexible led strip with adjustable white, CCT (correlated colour temperature) with high luminosity which combines a cold white led with a warm white led.

The fact that both leds are together, means that the colour projected is a combination of both and if we use a suitable controller (see pages 314 & 315), it can vary from 3100°K to 6500°K.



Very high CCT flexible led strip, 24V, IP20, 8mm PCB. It can be cut every 6 leds.

ecoled NERJA CCT "PRO"





MARBELLA RGB+3000°K



Ref: 33.031 RGB+3000°K

**RGB+W** flexible led strip **“PRO”**  
IP20 with 60 leds/metre 5050SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**White colour (included in led chip)**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 6m  
Maximum connection in closed circuit: 12m

Power (W)	18.4W/m
Voltage (V)	24V
Led type	SMD5050
Lumens (RGBW)	800 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	60
Measurements	5000x10x1.8mm
Cuttable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

NERJA Warm white + Cool white



Ref: 33.032 3100°K - 6500°K

Flexible led strip **DUAL WW-CW “PRO”**  
IP20 with 120 leds/metre 3527SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**Allows colour change (cool white, neutral and warm white).**  
**8mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 7.5m  
Maximum connection in closed circuit: 15m

Power (W)	19.2W/m
Voltage (V)	24V
Led type	SMD3527
Lumens (3100°K - 6500°K)	1500 Lm/m
Light emission	120°
Waterproofing	IP20
Nº leds/m	120
Measurements	5000x8x1.9mm
Cuttable	every 50mm
PCB	8mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years



Flexible led strips with a high CRI (Colour Rendering Index), which are specially indicated for the food industry: fruit, vegetables, meat/poultry and bakery products.

Compared with the R9-R14, they offer us greater values, whereby we achieve much more natural and realistic colours and therefore suggesting improved freshness and attractiveness of the exposed product.



ecoled TREVELEZ "PRO"

High luminosity flexible led strip, 24V, IP54 nanocoating, 10mm PCB. Ideal for the meat and poultry industry. It can be cut every 8 leds.



ecoled MOTRIL "PRO"

High luminosity flexible led strip, 24V, IP54 nanocoating, 10mm PCB. Ideal for the bread and bakery industry. It can be cut every 8 leds.



ecoled ANTEQUERA "PRO"

High luminosity flexible led strip, 24V, IP54 nanocoating, 10mm PCB. Ideal for the fruit and vegetable industry. It can be cut every 8 leds.



TRÉVELEZ



Ref: 33.033 2100°K

Special for MEATS

Single-coloured flexible strip “PRO”  
IP54 **nanocoating** with 192 leds/metre 3528SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 7m

Power (W)	20W/m
Voltage (V)	24V
Led type	SMD3528
Lumens <sup>(2100°K)</sup>	1600 Lm/m
Light emission	120°
Waterproofing	IP54
CRI	Ra>90
Nº leds/m	192
Measurements	5000x10x2.5mm
Cutable	every 41.6mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor/fridges
Packaging	1 roll/5m
Guarantee	3 years



Highlights the red colours and reduces the browning effect in the sectioned part.

MOTRIL



Ref: 33.034 2500°K

Special for BAKERIES

Single-coloured flexible strip “PRO”  
IP54 **nanocoating** with 192 leds/metre 3528SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 7m

Power (W)	20W/m
Voltage (V)	24V
Led type	SMD3528
Lumens <sup>(2500°K)</sup>	1800 Lm/m
Light emission	120°
Waterproofing	IP54
CRI	Ra>90
Nº leds/m	192
Measurements	5000x10x2.5mm
Cutable	every 41.6mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor/fridges
Packaging	1 roll/5m
Guarantee	3 years



Highlights the yellow and brown colours, with a golden touch.

ANTEQUERA



Ref: 33.035 6000°K

Special for FRUIT and VEGETABLES

Single-coloured flexible strip “PRO”  
IP54 **nanocoating** with 192 leds/metre 3528SMD.  
Requires use with led profile to permit dissipation.  
**Heat dissipation tape included.**  
**10mm PCB.**  
Daily recommended use: 18h  
Maximum connection in open circuit: 5m  
Maximum connection in closed circuit: 7m

Power (W)	20W/m
Voltage (V)	24V
Led type	SMD3528
Lumens <sup>(6000°K)</sup>	2200 Lm/m
Light emission	120°
Waterproofing	IP54
CRI	Ra>90
Nº leds/m	192
Measurements	5000x10x2.5mm
Cutable	every 41.6mm
PCB	10mm
Working temperature	-40°C / +60°C
Apt for	indoor/fridges
Packaging	1 roll/5m
Guarantee	3 years



Highlights the cooler colours, giving a fresher appearance to the product.




- Photometric curves and IES & LDT files (for DIALux and RELUX), can be carried out in our laboratory and available on request.





www.digitalled.net

by Luz Negra

Digital lighting is an intelligent way to personalise light in fine details and to be able to communicate by means of emotions and sensations. In order to go further afield with the digital lighting experience, Luz Negra has established a partnership with,  ProtoPixel who are specialised in software and hardware design for digital lighting control.

Here at Luz Negra we are able to offer full support and assistance for any type of project related to digital lighting. We can work together, starting off with the initial concept and design and taking it through to the manufacturing of the luminaires or supports and also the calculations for the electrical connections and hardware. We can even offer custom programming solutions which are completely personalised and which can be updated via internet no matter where the installation is located.



OVNEW Restaurant (Barcelona).  
Illuminated with more than 100 Oslo luminaires with digital led . Design, control and installation made by Protapixel.

### FIJI RGB

"cutable every 1 led"



Ref: 35.001

RGB

Flexible led strip with digital led in RGB **"PRO"** series, IP20 with 60 leds/metre and cuttable every led.  
Requires use with led profile to permit dissipation.  
**5mm PCB.**

### HAWAI RGB

"cutable every 1 led"



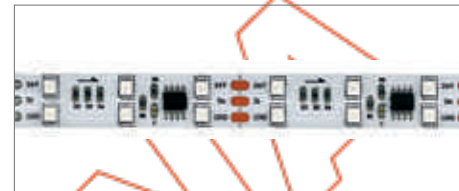
Ref: 35.002

RGB

Flexible led strip with digital led in RGB **"PRO"** series, IP20 with 60 leds/metre and cuttable every led.  
Requires use with led profile to permit dissipation.  
**10mm PCB.**

### SEYCHELLES RGB

"cutable every 6 led"



Ref: 35.003

RGB

Flexible led strip with digital led in RGB, **"PRO"** series IP20 with 120 leds/metre and cuttable every 6 leds.  
Requires use with led profile to permit dissipation.  
**12mm PCB.**

Power (W)	11.5W/m
Voltage (V)	5V
IC type	SK6812
Lumens	308 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60 Leds/m
Measurements	5000x5x2.5mm
Cutable	every 16.54mm
PCB	5mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Power (W)	14.4W/m
Voltage (V)	12V
IC type	2815
Lumens	438 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60 Leds/m
Measurements	5000x10x2.5mm
Cutable	every 16.8mm
PCB	10mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Power (W)	28.8W/m
Voltage (V)	24V
IC type	16703
Lumens	592 Lm/m
Led Control	every 6 leds
Light emission	120°
Waterproofing	IP20
N° leds/m	120 Leds/m
Measurements	5000x12x2.5mm
Cutable	every 50mm (6 leds)
PCB	12mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

## COZUMEL RGB

"cuttable every 1 led"



Ref: 35.004

RGB

Flexible led strip with digital led in RGB, "PRO" series IP20 with 30 leds/metre and cuttable every led.

Requires use with led profile to permit dissipation.  
**10mm PCB.**

Maximum connection in open circuit: 18h

## BALI warm white

"cuttable every 3 leds" - control led to led



Ref: 35.006

7.000°K

Ref: 35.007

3.000°K

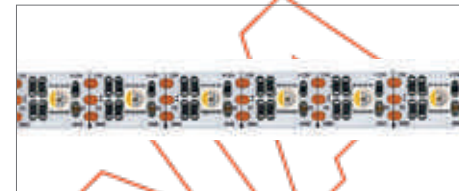
Flexible led strip with warm white monochromatic digital led, "PRO" series, IP20 with 60 leds/metre and cuttable every 3 leds + led to led control.

Requires use with led profile to permit dissipation.  
**10mm PCB.**

Maximum connection in open circuit: 18h.

## MALDIVAS RGB+W

"cuttable every 1 led"



Ref: 35.008

RGB+W

Flexible led strip with digital led in RGBW, "PRO" series IP20 with 60 leds/metre and cuttable every led.

Requires use with led profile to permit dissipation.  
**10mm PCB.**

Maximum connection in open circuit: 18h.

Power (W)	7.2W/m
Voltage (V)	12V
IC type	2815
Lumens	112 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	30 Leds/m
Measurements	5000x10x2.5mm
Cuttable	every 33.2mm
PCB	10mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Power (W)	14.4W/m
Voltage (V)	12V
IC type	2811
Lumens <sup>(7000°K)</sup>	1000 Lm/m
Lumens <sup>(3000°K)</sup>	994 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60 Leds/m
Measurements	5000x10x2.5mm
Cuttable	every 50mm (3 leds)
PCB	10mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

Power (W)	20W/m
Voltage (V)	12V
IC type	6812
Lumens	500 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60 Leds/m
Measurements	5000x10x2.5mm
Cuttable	every 16.8mm
PCB	10mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years





OVNEW restaurant.  
Luminaires with Oslo led profile.  
Cortesy of Protopixel.





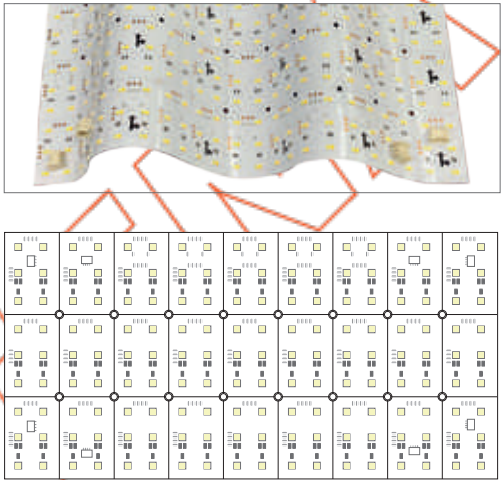
Power (W)	18W
Voltage (V)	24V
Led type	5050
Lumens	665 Lm
Light emission	120°
Waterproofing	IP20
N° leds/m	162 Leds/m
Measurements	480x240x5mm
Cuttable	it is cuttable basing on the cutting line
PCB	480x240
Working temperature	-25°C / +60°C
Apt for	indoor
Packaging	1 unit
Guarantee	2 years

Ref: 46.001

RGB

Flexible RGB panel for indoor use (480x240mm) which can be cut in to 27 modules of 80x53mm (6 leds/ module). It is specially recommended for backlighting (luminaires and lightboxes). It has fast connectors to put various panels together without welding. We can connect up to 10 panels in series

RGB FLEXIBLE PANEL



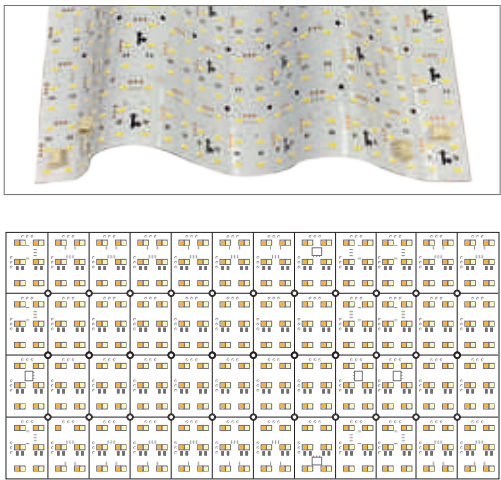
Power (W)	10W
Voltage (V)	24V
Led type	2835
Lumens (3000°K)	978 Lm
Light emission	120°
Waterproofing	IP20
N° leds/m	288 Leds/m
Measurements	480x240x5mm
Cuttable	it is cuttable basing on the cutting line
PCB	480x240mm
Working temperature	-25°C / +60°C
Apt for	indoor
Packaging	1 unit
Guarantee	2 years

Ref: 46.002

3000°K-6000°K

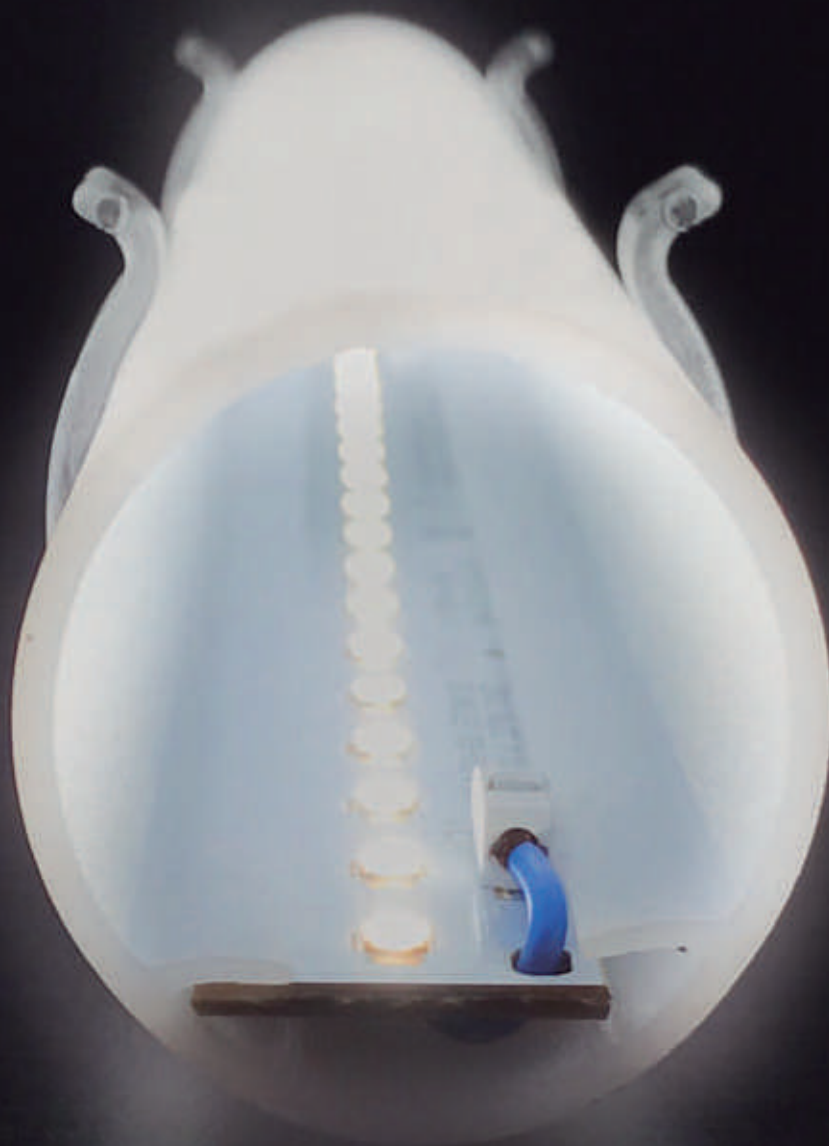
Flexible TUNABLE WHITE panel for indoor use (480x240mm) which can be cut in to 48 modules of 60x40mm, with 6 cold leds and 6 warn leds. It is specially recommended for backlighting (luminaires and lightboxes). It has fast connectors to put various panels together without welding. We can connect up to 10 panels in series.

TUNABLE WHITE FLEXIBLE PANEL





rigid led strips



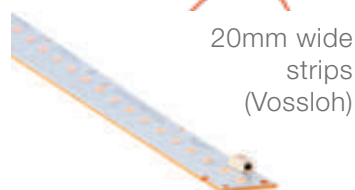


Compared to flexible led strips which normally work at 12V or 24V (constant current) rigid led strips work in continuous intensity. The majority of the rigid strips in this catalogue can work at 350-500 or 700 mA (milliamps).

One single strip can light up at any of the three intensities and depending on the milliamps applied, we can achieve more or less luminosity (an increase in milliamps means more light but also higher consumption).

Our rigid led strips are made by the German company Vossloh and offer a colour tolerance of 3 step MacAdams (minimum) and a 5 year guarantee. Lengths are in accordance to ZHAGA standards.

We have optics available with different effects for the 40mm and 60mm width strips.



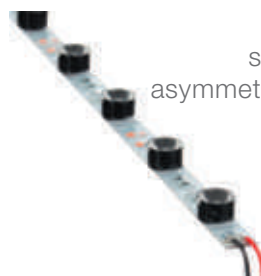
20mm wide  
strips  
(Vossloh)



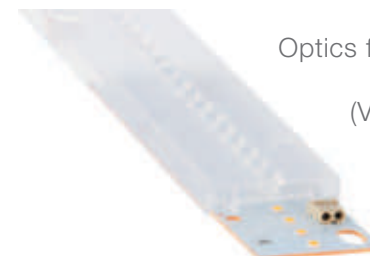
40mm wide  
strips  
(Vossloh)



strips with  
symmetric optics



strips with  
asymmetric optics



Optics for rigid  
strips  
(Vossloh)

# Rigid led strip with standard brightness

## “20mm wide”



### “280x20mm” rigid led strip

Ref: 36.001                      3000°K  
Ref: 36.002                      4000°K  
Ref: 36.003                      5000°K

Single coloured rigid strip IP20 with 24 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

Power (W)	6.1W / 8.9W / 12.8W
Intensity (l)	350mA / 500mA / 700mA
Lumens (5000°K)	970 Lm / 1330 Lm / 1765 Lm
Lumens (4000°K)	950 Lm / 1305 Lm / 1730 Lm
Lumens (3000°K)	900 Lm / 1240 Lm / 1640 Lm
Colour temp.	5000°K/ 4000°K / 3000°K
Light emission	120°
Waterproofing	IP20
CRI	>80
Measurements	280x20x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Packaging	1 unit
Guarantee	5 years

### “560x20mm” rigid led strip

Ref: 36.004                      3000°K  
Ref: 36.005                      4000°K  
Ref: 36.006                      5000°K

Single coloured rigid strip IP20 with 48 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

Power (W)	12.1W / 17.8W / 25.6W
Intensity (l)	350mA / 500mA / 700mA
Lumens (5000°K)	1940 Lm / 2660 Lm / 3530 Lm
Lumens (4000°K)	1905 Lm / 2615 Lm / 3465 Lm
Lumens (3000°K)	1805 Lm / 2480 Lm / 3285 Lm
Colour temp.	5000°K/ 4000°K / 3000°K
Light emission	120°
Waterproofing	IP20
CRI	>80
Measurements	560x20x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Packaging	1 unit
Guarantee	5 years



# High brightness rigid led strip

## “20mm wide”



### “140x20mm” rigid led strip

Ref: 36.007                      3000°K  
Ref: 36.008                      4000°K  
Ref: 36.009                      5000°K

Single coloured rigid strip IP20 with 12 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

Power (W)	4W / 5.9W / 8.5W
Intensity (l)	350mA / 500mA / 700mA
Lumens (5000°K)	730 Lm / 1025 Lm / 1395 Lm
Lumens (4000°K)	730 Lm / 1025 Lm / 1395 Lm
Lumens (3000°K)	680 Lm / 950 Lm / 1295 Lm
Colour temp.	5000°K/ 4000°K / 3000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	140x20x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Packaging	1 unit
Guarantee	5 years

### “280x20mm” rigid led strip

Ref: 36.010                      3000°K  
Ref: 36.011                      4000°K  
Ref: 36.012                      5000°K

Single coloured rigid strip IP20 with 24 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

Power (W)	7.9W / 11.7W / 16.9W
Intensity (l)	350mA / 500mA / 700mA
Lumens (5000°K)	1460 Lm / 2050 Lm / 2790 Lm
Lumens (4000°K)	1460 Lm / 2050 Lm / 2790 Lm
Lumens (3000°K)	1360 Lm / 1900 Lm / 2590 Lm
Colour temp.	5000°K/ 4000°K / 3000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x20x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Packaging	1 unit
Guarantee	5 years

### “560x20mm” rigid led strip

Ref: 36.013                      3000°K  
Ref: 36.014                      4000°K  
Ref: 36.015                      5000°K

Single coloured rigid strip IP20 with 48 leds 3030SMD.

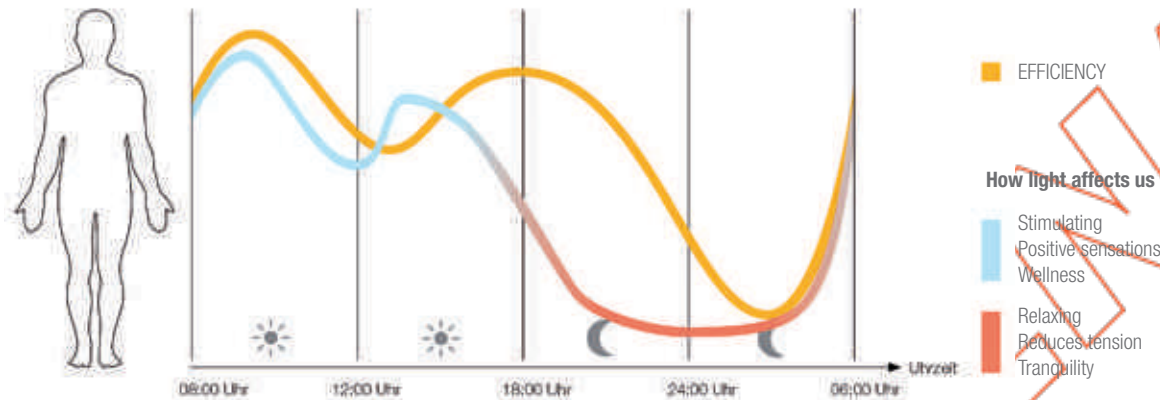
**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

Power (W)	15.8W / 23.4W / 33.9W
Intensity (l)	350mA / 500mA / 700mA
Lumens (5000°K)	2920 Lm / 4100 Lm / 5580 Lm
Lumens (4000°K)	2920 Lm / 4100 Lm / 5580 Lm
Lumens (3000°K)	2720 Lm / 3800 Lm / 5180 Lm
Colour temp.	5000°K/ 4000°K / 3000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	560x20x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Packaging	1 unit
Guarantee	5 years

# Human Central Lighting; The right light at the right time

Physical wellness effects generated by illumination



Light is not only used for visual orientation, but due to the wave lengths, it can also have an influence on physiological processes such as concentration capacity, efficiency, sleep-wake cycle or wellness.

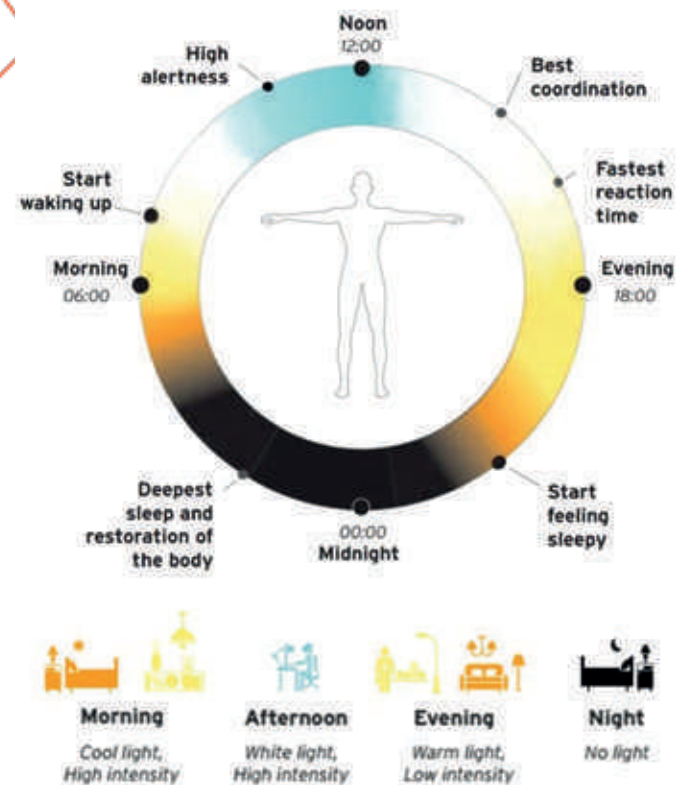
**HCL (Human Centric Lighting)** is the type of lighting focused on individuals and designed to make us feel better at all times.

Light in general has a very high emotional effect in many ways. It can be useful to boost sales, for communication and personal relationships, etc. It can create a sumptuous light effect in luxury shops and also a more simple light concept in low cost shops. In both cases, light creates a space full of emotions, but with different results: positive emotions are generated, like the sensation of something being exclusive and original and at the same time creating an attractive light ambience in order to obtain the best product at the best price.

Human Centric Lighting has 3 aspects which are closely related: the emotional, the visual and non visual. Although we cannot consider them separately, we can give priority to one of them.

Using it correctly, HCL is adapted to all user's needs and there are many ways of going about it. Light which, for example, has a visual effect, attracts attention and can also be very emotional, meaning that when we plan a project it is extremely necessary to have full knowledge of HCL.

We offer more than 100 profiles to choose from, and you only have to indicate the required length for the luminaire and we will take care of the programming needed, according to the desired effect.



Human Central Lighting

Control system (via wireless Bluetooth) for luminaires.

The combination of rigid led strips with tunable white (from 2700°K to 6000°K) using Blu2Light control system, allows us to manufacture luminaires which can be controlled from a smartphone. This way, we can modify and/or program the luminaires, changing colour and intensity, using a DALI protocol.

Not only do we need a power supply, but also a sensor (41.003), which will be inserted inside the luminaire; and also a driver which will control the DALI power supplies (41.001 - 41.002).



TUNABLE WHITE Rigid led strip  
"280x20mm"

Ref: 36.016                      2700°K-6000°K

Single coloured rigid led strips IP20 with 30 leds.

Dynamic colour control from 2700°K to 6000°K.

**NICHIA led.**

For a correct dissipation of this model, a led profile will be required.

Power (W)	2.9W / 4.3W / 6.2W
Voltage (V)	8.3V / 8.5V / 8.8V
Intensity (I)	350mA / 500mA / 700mA
Lumens (6000°K)	425 Lm / 598 Lm / 812 Lm
Lumens (2700°K)	371 Lm / 522 Lm / 716 Lm
Colour temp.	2700°K - 6000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x20x1.6mm
Working temp.	-20°C / +60°C
DALI/PUSH	yes
Packaging	1 unit
Guarantee	5 years

TUNABLE WHITE Rigid led strip  
"560x20mm"

Ref: 36.017                      2700°K-6000°K

Single coloured rigid led strips IP20 with 60 leds.

Dynamic colour control from 2700°K to 6000°K.

**NICHIA led.**

For a correct dissipation of this model, a led profile will be required.

Power (W)	5.8W / 8.6W / 12.3W
Voltage (V)	16.6V / 17.1V / 17.6V
Intensity (I)	350mA / 500mA / 700mA
Lumens (6000°K)	844 Lm / 1188 Lm / 1628 Lm
Lumens (2700°K)	745 Lm / 1048 Lm / 1436 Lm
Colour temp.	2700°K - 6000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	560x20x1.6mm
Working temp.	-20°C / +60°C
DALI/PUSH	yes
Packaging	1 unit
Guarantee	5 years



"Connect me" Internal sensor

Ref: 41.003                      Bluetooth Sensor

DALI system sensor via Bluetooth radiofrequency.

IP20.

It allows us to control professional lighting.

Body / Colour	Polycarbonate / White
Communication	Blu2Light
Control	DALI
Power (W)	max. 0.24W
Frequency	2402 - 2480 MHz
Ambient temp.	0°C - 50°C
Light emission	120°
Waterproofing	IP20
Protection	class II
Measurements	Ø40xH40mm
Cable connection terminal	minimum 0.5mm Ø maximum 1.5mm Ø
Packaging	1 unit
Guarantee	3 years

Drivers for DALI applications

VOSSLOH (German origin) drivers for DALI applications. **5 year guarantee.**

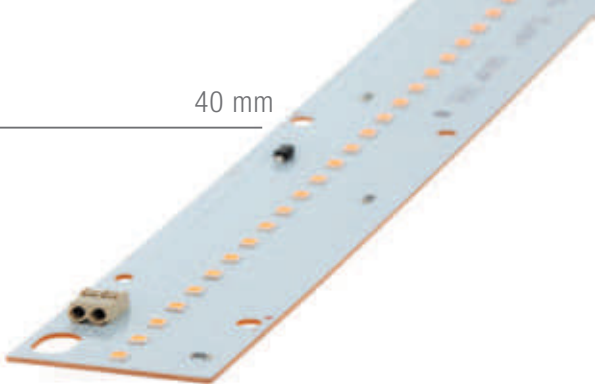
**In accordance with lighting standards: EN-61347-2-11.**



Reference	Voltage	Feeding DALI	Connection	Waterproofing	Weight	Protection	Measurements (mm)
41.001	220V-240V	45mA	We can connect up to 10 power supplies with only one DALI direction.	IP20	38g	class I y II	147x21x18
41.002	220V-240V	45mA	We can connect up to 64 power supplies with only one DALI direction.	IP20	150g	class II	175x42x31.5



Rigid led strip  
“40 mm wide”



“280x40mm” rigid led strip

Ref: 36.018

**3000°K**

Single coloured rigid strip IP20 with 30 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

This allows us to use different types of optics with various light emitting angles (see page 307).

Power (W)	4.79W / 6.97W / 9.97W
Intensity (l)	350mA / 500mA / 700mA
Lumens <sup>(3000°K)</sup>	780 Lm / 1100 Lm / 1500 Lm
Colour temp.	3000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Fixing clip	needed (but not included)
Packaging	1 unit
Guarantee	5 years

“280x40mm” rigid led strip

Ref: 36.019

**4000°K**

Single coloured rigid strip IP20 with 30 leds 3030SMD.

**NICHIA led.**

For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

This allows us to use different types of optics with various light emitting angles (see page 307).

Power (W)	4.79W / 6.97W / 9.97W
Intensity (l)	350mA / 500mA / 700mA
Lumens <sup>(4000°K)</sup>	820 Lm / 1150 Lm / 1570 Lm
Colour temp.	4000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Fixing clip	needed (but not included)
Packaging	1 unit
Guarantee	5 years

“280x40mm” rigid led strip

Ref: 36.020

**5000°K**

Single coloured rigid strip IP20 with 30 leds 3030SMD.

**NICHIA led.**

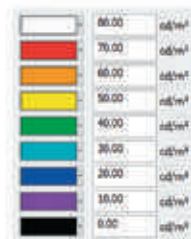
For a correct dissipation of this model, a led profile and heat dissipation tape will be required.

This allows us to use different types of optics with various light emitting angles (see page 307).

Power (W)	4.79W / 6.97W / 9.97W
Intensity (l)	350mA / 500mA / 700mA
Lumens <sup>(5000°K)</sup>	890 Lm / 1255 Lm / 1715 Lm
Colour temp.	5000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cuttable	no
Working temp.	-20°C / +75°C
1-10V	yes
DALI/PUSH	yes
Power supply	not included
Connecting cable	needed (but not included)
Fixing clip	needed (but not included)
Packaging	1 unit
Guarantee	5 years

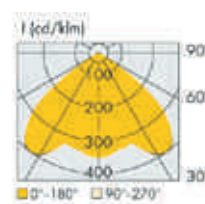
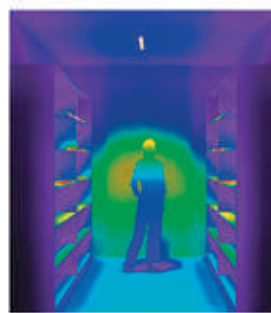


led profile with optic lens

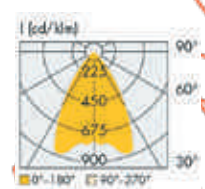


Although conventional covers are much better in terms of appearance when compared to the optic ones (a more industrial finish) we sometimes end up using the latter, to be able to project the light in the desired direction.

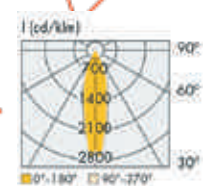
Please find below a detailed list of the most important optical emissions currently available.



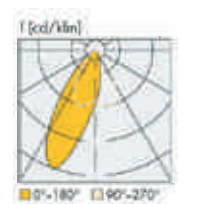
Extra Wide 110°  
Ref: 46.003



Wide 60°  
Ref: 46.004



Narrow 30°  
Ref: 46.005



Retail ASYM  
Ref: 46.006

## EXTRA WIDE OPTIC

These optics provide the widest angle and are suitable for homogeneous lighting, therefore preventing the formation of grey areas.

## 60° OPTIC

This is one of our most popular optics due to its versatility (it can be used in corridors and even in side shelving).

## 30° OPTIC

High concentration optics which permit the lighting of transit areas and corridors with high ceilings or similar.

## ASYMMETRIC OPTIC

This optic accentuates the light intensity obtained from one of the sides of the device, making the products stand out and offering high visibility.



# Optics for rigid strips

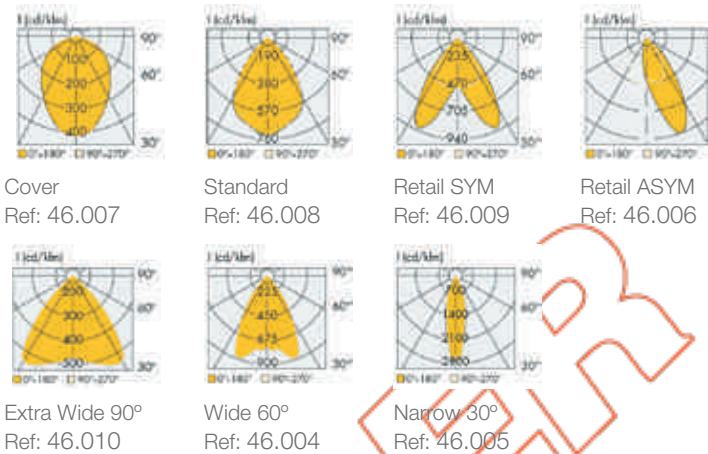
Compatibility with:

## “Simple” optics (for rigid strips of 40mm wide)

See page 300

Reference	Model	Efficiency	Weight
46.007	Cover	88%	50g
46.008	Standard	95%	50g
46.009	SYM	95%	50g
46.006	ASYM	95%	50g
46.010	Extra Wide 90°	95%	50g
46.004	Wide 60°	95%	50g
46.005	Narrow 30°	95%	50g

These optics are for rigid strips of 40mm and ideal for lighting up offices, factories and shops. Measurements: 280x43x9.5mm



### Terms of use

We recommend the use this product for indoor indoors. The optic is to be screwed to the rigid led strip with a cylindrical head or flat head (M4) or with a fixing bracket.  
Endcap for strip reference **46.012**.  
Endcap, reference **46.013**.  
Please consult all 55mm rigid strips available and which can be used with the different types of optics (see page 234).

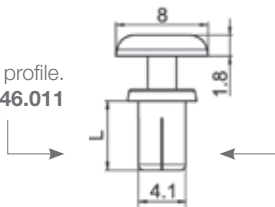


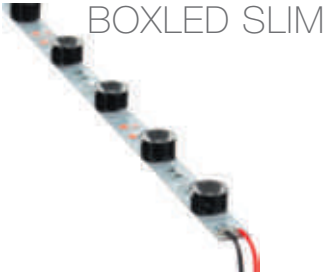
GALES  
See page 203



KRAKOVIA  
See page 222

Plastic clip for fixing the optic and led to the profile.  
Reference **46.011**





BOXLED SLIM

Ref: 37.001 7300°K

Single coloured rigid led strip (cuttable) **“PRO”** series, IP33 with 6 leds 3535SMD.  
**13°/50° asymmetrical optics.**  
For a correct dissipation of this model, a led profile and heat dissipation tape will be required.  
Daily recommended use: 18h.

Voltage	24V
Power (W)	13.54W
Lumens (7300°K)	895 Lm
Efficiency	66.06 Lm/W
Colour temp.	7300°K
Light emission	13° / 50° asymmetric
Waterproofing	IP33
CRI	>71
Measurements	333x14x11mm
Cuttable	every 110mm (2 leds)
Working temp.	-25°C / +60°C
Power supply	not included
Connecting cable	you need, not included
Fixing	adhesive tape, included
Packaging	1 unit
Guarantee	2 years

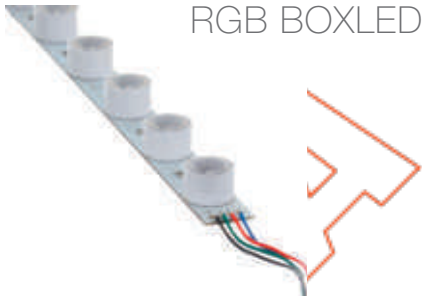


BOXLED PRO

Ref: 37.002 5700°K  
Ref: 37.003 4000°K

Single coloured rigid led strip (cuttable) **“PRO”** series, IP20 with 9 SMD leds.  
**15°/50° asymmetrical optics for wallwashing.**  
For a correct dissipation of this model, a led profile will be required.  
We need to apply thermal dissipation tape.  
Daily recommended use: 18h.

Voltage	24V
Power (W)	14.4W
Lumens (5700°K)	1926 Lm
Lumens (4000°K)	1686 Lm
Efficiency	134 Lm/W
Colour temp.	5700°K
Colour temp.	4000°K
Light emission	15° / 50° asymmetric
Waterproofing	IP20
CRI	>90
Measurements	500x24x15mm
Cuttable	every 166mm (3 leds)
Working temp.	-25°C / +65°C
Converter	not included
Fixing	screw
Packaging	1 unit
Guarantee	3 years



RGB BOXLED

Ref: 37.004 RGB

RGB rigid led strip **“PRO”** series, IP43 with 9 leds.  
**45° symmetrical optics.**  
For a correct dissipation of this model, a led profile and heat dissipation tape will be required.  
It can be combined with Paris XL led profile for the manufacturing of luminaires and wallwashers.  
Daily recommended use: 18h.

Voltage	12V
Power (W)	12.6W
Lumens	698 Lm (white color)
Colour temp.	RGB
Light emission	45°
Waterproofing	IP43
CRI	>80
Measurements	450x22x16mm
Cuttable	no
Working temp.	-20°C / +40°C
Sequencer	you need, not included
Power supply	not included
Connecting cable	on the ends
Fixing	double sided adhesive tape (not included)
Packaging	1 unit
Guarantee	2 years



SIDEVIEW ECO

Ref: 37.005

6000°K

Cuttable rigid led strip, IP20 with 6 leds 2835SMD.  
500mm rigid led strip cuttable every 1 led.  
It can light up light boxes with a depth of 5cm.  
**165° optics for wallwashing.**  
Daily recommended use: 18h.

Voltage	12V
Power (W)	5.4W
Lumens (6000°K)	677 Lm
Efficiency	109 Lm/W
Colour temp.	6000°K
Light emission	165°
Waterproofing	IP20
CRI	>67
Measurements	500x20x6.5mm
Cuttable	every led (1 led)
Working temp.	-20°C / +60°C
Power supply	not included
Regulation	via dimmer
Fixing	screw
Packaging	1 unit
Guarantee	4 years



SIDEVIEW "PRO"

LED  
PHILIPS

Ref: 37.006

6000°K

Ref: 37.007

4000°K

Ref: 37.009

2700°K

Cuttable monocoloured rigid led strip "PRO" series IP20 with 9 SMD leds.  
**165° optics for wallwashing.**  
For a correct dissipation of this model, a led profile will be required.  
We need to apply thermal tape.  
Daily recommended use: 18h.

Voltage	24V
Power (W)	15W
Lumens (6000°K)	1530 Lm
Lumens (4000°K)	1430 Lm
Lumens (2700°K)	1330 Lm
Efficiency	102 Lm/W
Colour temp.	6000°K
Colour temp.	4000°K
Colour temp.	2700°K
Light emission	165°
Waterproofing	IP20
CRI	>90
Measurements	500x24x15mm
Cuttable	every 166.6mm (3 leds)
Working temp.	-20°C / +60°C
Power supply	not included
Fixing	screw
Packaging	1 unit
Guarantee	3 years



SIDEVIEW CROSS  
CONNECTION COMB

Ref: 37.008

7500°K

Ref: 37.020

4500°K

Ref: 37.021

3000°K

Ref: 37.010

strip connector

Cuttable rigid led strip series, IP20 and 7 leds SMD.  
500mm rigid led strip cuttable every 1 led.  
It can light up light boxes up to depths of 4cm with a cross connection comb (in a closed circuit).  
We can connect up to 20 units.  
In light boxes with increased depths, the connections are alternate.  
Daily recommended use: 18h.

Voltage	12V
Power (W)	7W
Lumens (7500°K)	560 Lm
Efficiency	92.8 Lm
Colour temp.	11500°K
Light emission	170°
Waterproofing	IP20
CRI	>67
Measurements	497x18x1.5mm
Cuttable	every led (1 led)
Working temp.	-25°C / +60°C
Power supply	not included
Fixing	screw
Packaging	1 unit
Guarantee	2 years







## Meanwell non-waterproof power supplies

Constant voltage 12V - 24V - 48V

Power supplies with a constant voltage Meanwell (not waterproof). **We offer a 2 year guarantee.**

Reference	Tension	Power	Amps	Power factor	Waterproofing	Weight	Measurements (mm)
39.010	12V	150W	12.5A	>0.5	IP20	500g	160x98x30
39.011	12V	320W	25A	>0.5	IP20	900g	215x115x30
39.017	24V	150W	6.5A	>0.5	IP20	500g	160x98x30
39.018	24V	320W	13,3A	>0.5	IP20	900g	215x115x30
39.002	48V	500W	10,5A	>0.9	IP20	900g	230x127x40.5



## Meanwell waterproof power supplies

Constant voltage 5V - 12 V - 24V

Power supplies with a constant voltage Meanwell (waterproof). **We offer a 2 year guarantee.**

Reference	Tension	Power	Amps	Power factor	Waterproofing	Weight	Measurements (mm)
39.003	5V	25W	5A	>0.5	IP67	340g	148x40x30
39.004	5V	40W	8A	>0.5	IP67	400g	160x40x30
39.005	12V	18W	1.5A	>0.5	IP67	220g	140x30x24
39.006	12V	36W	3A	>0.5	IP67	340g	148x40x30
39.007	12V	60W	5A	>0.5	IP67	400g	163x43x32
39.008	12V	100W	8.5A	>0.5	IP67	630g	190x52x37
39.009	12V	120W	10A	>0.5	IP67	500g	191x63x37.5
39.019	12V	480W	40A	>0.9	IP67	900g	280x144x48.5
39.012	24V	18W	0.75A	>0.5	IP67	220g	118x35x26
39.013	24V	36W	1.5A	>0.5	IP67	340g	140x30x24
39.014	24V	60W	2.5A	>0.5	IP67	400g	163x43x32
39.015	24V	100W	4.2A	>0.5	IP67	630g	190x52x39
39.001	24V	150W	6.3A	>0.5	IP67	700g	228x68x39

ecoled non-waterproof power supplies

Constant voltage 12V - 24V



Ultra-thin



Compact



We offer our own brand name “ecoled” power supplies which are compact and ultra-thin with a constant output voltage. We offer a 5 year guarantee. In compliance with lighting apparatus standards: EN-61347-1-2-13. EN-61547. EN-61000-3-2. EN-62384. EN-55015.

Reference		Tension	Power	Amps	Power factor	Waterproofing	Weight	Measurements (mm)
40.006		12V	20W	1.66A	>0.9	IP20	62g	123x42x20
40.001	Ultra-thin	12V	30W	2.5A	>0.95	IP20	105g	245x30x14
40.004	Compact	12V	36W	3A	>0.5	IP20	180g	84x28x42
40.007		12V	60W	5A	>0.9	IP20	310g	180x50x32
40.008		12V	100W	8.33A	>0.9	IP20	350g	300x38x30
40.009		24V	30W	1.25A	>0.9	IP20	62g	153x42x32
40.002	Ultra-thin	24V	30W	1.25A	>0.95	IP20	146g	245x30x14
40.005	Compact	24V	36W	1.5A	>0.5	IP20	180g	84x28x42
40.003	Ultra-thin	24V	60W	2.5A	>0.98	IP20	170g	290x45x18
40.010		24V	75W	3.12A	>0.9	IP20	310g	180x50x32
40.011		24V	120W	5A	>0.9	IP20	350g	300x38x30
40.012		24V	180W	7.5A	>0.9	IP20	450g	350x50x30

ecoled waterproof power supplies

Constant voltage 24V



IP67 waterproof power supplies with a constant current output ecoled. We offer a 5 year guarantee. In compliance with lighting apparatus standards: EN-61347-1-2-13. EN-61547. EN-61000-3-2. EN-62384. EN-55015.

Reference		Tension	Power	Amps	Power factor	Waterproofing	Weight	Measurements (mm)
40.015		24V	200W	8.33A	>0.8	IP67	920g	230x90x43
40.016		24V	320W	13.33A	>0.9	IP67	1300g	236x97x40

Vossloh non-waterproof power supplies

Constant voltage 12V - 24V - 48V

Power supplies with a constant voltage, Vossloh (German brand) specially indicated for lighting.  
We offer a 5 year guarantee. In compliance with lighting apparatus standards: EN-61347-2-13.



Reference	Tension	Power	Amps	Power factor	Waterproofing	Weight	Measurements (mm)
38.002	12V	20W	1.68A	>0.5	IP20	100g	123x45x19
38.003	12V	60W	5A	>0.9	IP20	310g	180x52x30
38.004	12V	75W	6.25A	>0.9	IP20	380g	180x52x30
38.005	12V	100W	8.40A	>0.9	IP20	440g	300x40x30
38.006	24V	30W	1.25A	>0.9	IP20	140g	153x41x32
38.021 (DALI2/1-10V)	24V	30W	1.25A	>0.95	IP20	550g	359x30x21
38.007	24V	60W	2.5A	>0.9	IP20	310g	180x52x30
38.008	24V	75W	3.12A	>0.9	IP20	380g	180x52x30
38.022 (DALI2/1-10V)	24V	70W	2.91A	>0.95	IP20	550g	359x30x21
38.009	24V	120W	5A	>0.9	IP20	440g	300x40x30
38.023 (DALI2/1-10V)	24V	120W	5A	>0.95	IP20	550g	359x30x21
38.010	24V	180W	7.5A	>0.9	IP20	665g	345x50x35
38.001	48V	120W	2.5A	>0.95	IP20	410g	300x30x40

Vossloh non-waterproof power supplies

Constant current 350mA - 500mA - 700mA

Power supplies with a constant current, Vossloh (German brand) specially indicated for lighting.  
We offer a 5 year guarantee. In compliance with lighting apparatus standards: EN-61347-2-13.

Reference	Control	Power	350mA	500mA	700mA	Size
38.013	No	6-14W	✓	✗	✗	230x30x21
38.014	No	12-21W	✗	✓	✓	230x30x21
38.017	1-10V	12-80W	✗	✓	✓	425x30x21
* Power supplies with 2 channels each of 40W						
38.012	No	20-40W	✓	✓	✓	360x30x21
38.015	DALI/PUSH	21-42W	✓	✓	✓	358x30x21
38.011	No	42-80W	✓	✓	✓	360x30x21
38.016	DALI/PUSH	42-84W	✓	✓	✓	358x30x21
38.019	No	70-120W	✗	✓	✓	280x30x21
38.020	No	95-165W	✗	✓	✓	359x30x21







Factory Berlin  
Led digital in led profile Oslo and Oslo Black&White  
Cortesy of Protopixel

REFERENCES	41.004	41.005	41.006	41.007	41.008	41.009	41.010	41.011	41.012	41.013	41.014	41.015	41.016	41.017	41.018	41.019	41.046
Page number	316	316	316	316	317	317	317	318	318	318	319	319	319	320	320	320	320

## Functions carried out by the products

Sequencer	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	✓	-	✓
Amplifier	-	-	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-
Dimmer	✓	✓	-	-	✓	-	✓	✓	✓	-	-	-	-	✓	✓	-	✓
Sensor	-	-	✓	✓	-	-	-	-	-	✓	✓	✓	-	-	-	-	-
Switch	✓	✓	-	-	-	-	-	✓	✓	-	-	-	✓	-	-	-	-

## Main characteristics

One colour	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-
RGB	-	-	-	-	✓	✓	-	-	-	-	-	-	-	-	-	-	✓
RGBW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
CCT. WW - CW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-
Power 12V	36W	36W	24W	120W	144W	144W	144W	24W	24W	-	24W	24W	-	96W	60W	60W	192W
Power 24V	72W	72W	48W	240W	288W	-	288W	48W	48W	-	48W	48W	-	192W	120W	120W	384W
Power 220V	-	-	-	-	-	-	-	-	-	250W	-	-	200W	-	-	-	-
Waterproofing	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Channels	1	1	1	1	3	3	1	1	1	1	1	1	1	1	1	2	4
Zones	1	1	1	1	1	1	1	1	1	1	1	1	-	1	6	1	dmx
WIFI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bluetooth	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Radio frequency	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	✓	-
Memory saver	-	-	-	-	✓	-	✓	-	-	-	-	-	-	✓	✓	✓	-
Receiver apart	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓	-	-

REFERENCE	41.020	41.021	41.022	41.049	41.023	41.024	41.025	41.026	41.027	41.028	41.029	41.030	41.031	41.033	41.034	41.035	41.045
Page number	321	321	321	321	322	322	322	322 / 324	323	323	323	324	324	325	325	325	325

## Functions carried out by the products

Sequencer	-	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-
Amplifier	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dimmer	-	-	-	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	✓	✓	✓
Sensor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Switch	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## Main characteristics

One colour	✓	✓	-	-	-	-	✓	✓	-	-	-	✓	✓	✓	✓	✓	✓
RGB	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
RGBW	✓	✓	-	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
CCT. WW - CW	-	-	✓	-	-	-	✓	✓	-	-	-	✓	✓	-	-	-	-
Power 12V	144W	144W	180W	120W	108W	144W	180W	180W	192W	192W	192W	144W	144W	96W	96W	96W	-
Power 24V	288W	288W	360W	240W	216W	288W	360W	360W	384W	384W	384W	288W	288W	190W	190W	190W	-
Power 220V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	✓
Waterproofing	IP20	IP66	IP20	IP20	IP20	IP20	IP20	IP20	IP68	IP25	IP25	IP20	IP20	IP20	IP20	IP20	IP20
Channels	3	4	4	4	3	3	5	5	4	4	4	3	3	1	1	1	1
Zones	1	1	1	1	1	1	8	1	1	1	1	4	4	1	1	1	1
WIFI	-	-	-	-	-	-	-	-	-	-	✓	-	-	-	-	-	-
Bluetooth	-	-	-	-	-	-	-	-	✓	✓	-	-	-	-	-	-	✓
Radio frequency	-	-	-	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-
Memory saver	-	-	✓	✓	-	-	✓	✓	✓	✓	✓	✓	✓	-	-	-	-
Receiver apart	-	-	-	-	-	-	✓	-	-	-	-	✓	✓	-	-	-	-



Bluetouch sensor



Ref: 41.004 (without pilot light)      12V-24V  
Ref: 41.005 (with pilot light)      12V-24V

A small switch with a touch dimmer function for inserting inside our led profiles. The cover is placed on top of the switch (this does not require any type of manipulation of the profile). It can be switched on and off and the led intensity can be regulated from 0% to 100%.

We recommend a layer of insulating tape on the lower part of the sensor when mounting in the profile to avoid malfunctioning.  
This product is only recommended for indoor use and only 1 sensor can be used in the same luminaire.

Power (W)	48W (12V)
Power (W)	96W (24V)
Channels (output)	1
Amps	4A
Measurements	60x11x5mm
Regulation	0% - 100%
Led indicator light	Ref: 41.004 - no Ref: 41.005 - blue
On-Off	tactile
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Movement sensor

(installation in rooms)



Ref: 41.006      12V-24V

A small movement sensor for inserting inside our led profiles which is activated on detecting movement from a distance of approximately 2.5 metre and at a 90° angle. As long as there is movement the sensor will stay activated, but once it fails to detect any presence, it will remain “ON” for 45” and will then switch off.

We recommend a layer of insulating tape on the lower part of the sensor when mounting in the profile to avoid malfunctioning.  
The cover has to be perforated so that the sensor's head remains visible.

Power (W)	48W (12V)
Power (W)	96W (24V)
Channels (output)	1
Amps	4A
Measurements	48x10x12mm
Detection angle	90°
Movement detection	2.5 metre
Weight	4.8g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Movement sensor



Ref: 41.007      12V-24V

A small movement sensor for inserting inside our led profiles which is activated thanks to an infrared sensor and can detect movement from a distance of approximately 2m, lighting up the led strip. The 12V and 24V strips inside the aluminium profile can be switched ON / OFF.

Once this sensor stops detecting movement, the led strip will turn off after 40 seconds. It is necessary to make a hole in opaque cover in the profile for the sensor to fit in.

Power (W)	120W (12V)
Power (W)	240W (24V)
Amps	10A
Measurements	43x16x10mm
Off	40 seconds
Apt for	interior
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

MINI sequencer



Ref: 41.008                      5V-12V-24V

MINI sequencer for RGB leds which offers ON-OFF and also flashing and progressive colour change functions, yet at the same time permits a fixed colour. As it is very small, it can be fitted in places where visual impact is minimal.

This sequencer only offers a manual option and does not come with a remote control . It can be fitted into our Versailles profile (see page 54).

Power (W)	60W (5V)
Power (W)	144W (12V)
Power (W)	288W (24V)
Channels (output)	3
Amps	4A x channel
Measurements	42x12x13mm
Regulation	0% - 100%
Remote control	no
Memory	yes
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

MINI amplifier



Ref: 41.009                      5V-12V

MINI amplifier for RGB leds, which due to its reduced size can be fitted in places where visual impact is minimal.

We always recommend the use of an amplifier when the led installation is more than 5 linear metre or more than the admitted power in the sequencer. It can be fitted into our Versailles profile (see page 54).

Power (W)	60W (5V)
Power (W)	144W (12V)
Channels (output)	3
Amps	4A x channel
Measurements	42x12x3mm
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

MINI dimmer



Ref: 41.010                      5V-12V-24V

MINI dimmer for single coloured leds, which due to its reduced size can be fitted in places where visual impact is minimal.

This dimmer only offers a manual option and does not come with a remote control . It can be fitted into our Versailles profile (see page 54).

Power (W)	30W (5V)
Power (W)	72W (12V)
Power (W)	144W (24V)
Channels (output)	1
Amps	6A
Measurements	40x12x5mm
Regulation	0% - 100%
Remote control	no
Memory	yes
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Touch sensor for  
recessing



Ref: 41.011 12V-24V

A touch sensor for recessing with ON-OFF function, yet at the same time regulating the light's intensity with the dimmer. It works at 12V - 24V.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. The "cell" detecting cable must not be cut as this could cause failure.

WARNING: the installation of the sensor with the led strip must be carried out without connecting to the power supply (the line must be disconnected from 230V) as this could shut off and cause malfunctioning.

Power (W)	36W (12V)
Power (W)	72W (24V)
Channels (output)	1
Amps	2A
Sensor size	Ø 22mm
Regulation	yes
Working temperature	-20°C / +45°C
Weight	65g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Touch sensor for surfaces



Ref: 41.012 12V-24V

A touch sensor for surfaces recommended with ON-OFF function yet at the same time regulating the light's intensity with the dimmer. It works at 12V - 24V.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. The "cell" detecting cable must not be cut as this could cause failure.

WARNING: the installation of the sensor with the led strip must be carried out without connecting to the power supply (the line must be disconnected from 230V) as this could shut off and cause malfunctioning.

Power (W)	36W (12V)
Power (W)	72W (24V)
Channels (output)	1
Amps	2A
Waterproofing	60x11x6mm
Regulation	yes
Working temperature	-20°C / +45°C
Weight	38g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Motion sensor



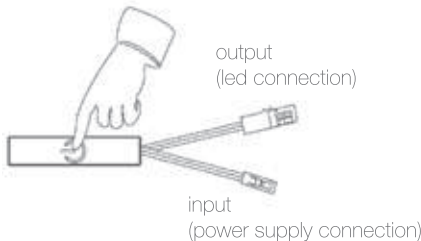
Ref: 41.013 100V-240V

A motion sensor for angles of 120° and ideal for placing in commuted areas such as stairways, corridors, etc. It works at 220V and includes driver.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. The "cell" detecting cable must not be cut as this could cause failure.

WARNING: the installation of the sensor with the led strip must be carried out without connecting to the power supply (the line must be disconnected from 240V) as this could shut off and cause malfunctioning.

Power (W)	250W
Input	100V - 240V
Output	100V - 240V
Detection angle	120°
Size of receiver	76x35x19.5mm
Size of receiver	Ø 18mm
Working temperature	-20°C / +45°C
Hole size	15mm
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years





Sensor

(for drawers and wardrobes with 1 door)



Ref: 41.014 12V-24V

Pseudo sensor which is recommended for use in wardrobes and drawers and works at 12V-24V. Working range (ON-OFF) 6-8 cms.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. The “cell” detecting cable must not be cut as this could cause failure.

**WARNING:** the installation of the sensor with the led strip must be carried out without connecting to the power supply (the line must be disconnected from 230V) as this could shut off and cause malfunctioning.

Power (W)	36W (12V)
Power (W)	72W (24V)
Channels (output)	1
Amps	2A
Measurements	63x28x17mm
On-Off	6-8cm
Working temperature	-20°C / +45°C
Weight	12g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Double sensor

(for wardrobes with 2 doors)



Ref: 41.015 12V-24V

Pseudo double sensor which is recommended for use in wardrobes with 2 doors and drawers and works at 12V-24V. Working range (ON-OFF) 4-20 cms.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. The “cell” detecting cable must not be cut as this could cause failure.

**WARNING:** the installation of the sensor with the led strip must be carried out without connecting to the power supply (the line must be disconnected from 230V) as this could shut off and cause malfunctioning.

Power (W)	36W (12V)
Power (W)	72W (24V)
Channels (output)	1
Amps	2A
Measurements	65x12x11mm
On-Off	4-20cm
Working temperature	-20°C / +45°C
Weight	30g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

On-Off switch

(doors and drawers)



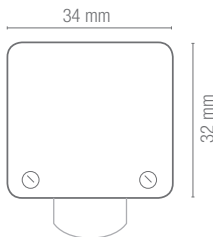
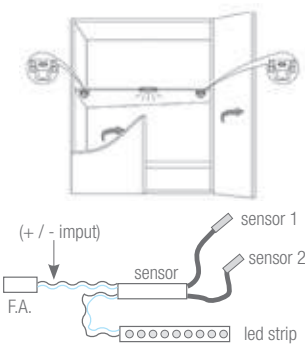
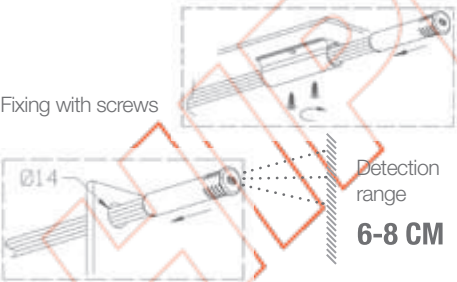
Ref: 41.016

A mechanical switch designed to control lighting on opening and closing doors and drawers.

This product can be connected directly to the main power supply (maximum 250VAC/1A) with a service frequency of 50/60Hz. It can also permit the led to be connected at 12V-24V.

It has a rectangular shape, measuring 34x32mm and a thickness of 15mm and can be fixed with 2 screws (not included). It is manufactured in plastic with a white finish.

Power (W)	200W
Channels (output)	1
Amps	1A maximum load
Measurements	34x32x15mm
On-Off	by contact
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years



Dimmer for surfaces



Ref: 41.017                      12V-24V

Non-waterproof, single coloured dimmer for surfaces.  
Regulation from 0% to 100%.  
This product is not recommended for installations in areas with high levels of humidity (IP20).

Power (W)	96W (12V)
Power (W)	192W (24V)
Channels (output)	1
Amps	8A
Weight	83g
Measurements	89x60x24mm
Regulation intensity	0% - 100%
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Dimmer + temperature control for 6 zones



Ref: 41.018                      controller

Temperature control (°Kelvin) for the led strip DUAL CCT. It can work 6 different zones (installations) with the same remote control.  
Signal is via radio frequency. Battery not included.  
Receiver not included (Ref: 41.019).

Measurements (remote control)	136.3x38.9x10.7mm
Memory	yes
Regulation intensity	yes
Working temperature	0°C / +40°C
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Slave DMX

(Ccontrol slave for 4 channels)



Ref: 41.046                      192W (12V) - 384W (24V)

A controller for digital installations using DMX512 with 4 output channels (4A x channel).  
The slave DMX protocol changes the analogical signal into a digital one and therefore enables us to freely establish a DMX address.

We recommend the use of RJ45 cables with a DMX signal to enhance signal transmission and also the placing of a RJ45 terminator at the exit of the 41.046 to avoid losses (not included).  
It can be connected to a computer or to a DMX mixing panel with a maximum of 512 channels.

Receiver size	177x42x33mm
Power (W)	192W (12V)
Power (W)	384W (24V)
Channels	4
Amps	4A x channel
Working temperature	-20°C / +60°C
Weight	201g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Signal receiver

(for remote control 41.018)

Ref: 41.019                      60W (12V) - 120W (24V)

A signal receiver for the remote control 41.018. Each receiver can be assigned 1 different channel of the remote control. Can permit installations in PUSH.



Receiver size	178x46x22mm
Power (W)	60W (12V)
Power (W)	120W (24V)
CC 350mA (PUSH)	4x350mA (12.6W)
CC 700mA (PUSH)	4x700mA (25.2W)
Amps	5A x channel
Working temperature	0°C / +40°C
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years



Amplifier (non-waterproof)

(3 channels "RGB")



Ref.: 41.020

5V-12V-24V

Non-waterproof RGB amplifier (4A x channel). It must feed from the power supply (entrance channel: +/-).

We can install as many amplifiers as we need, connecting them to each other and to their corresponding power supplies. This product is for indoor use.

Power (W)	60W (5V)
Power (W)	144W (12V)
Power (W)	288W (24V)
Channels (output)	3
Amps	4A x channel
Measurements	65x105x23mm
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Amplifier (waterproof)

(3 channels "RGB")



Ref: 41.021

5V-12V-24V

Waterproof RGB amplifier (4A x channel). It must feed from the power supply (entrance channel: +/-).

We can install as many amplifiers as we need, connecting them to each other and to their corresponding power supplies. This product is for indoor and outdoor use.

Power (W)	60W (5V)
Power (W)	144W (12V)
Power (W)	288W (24V)
Channels (output)	3
Amps	4A x channel
Measurements	63x79x29mm
Waterproofing	IP66
Packaging	1 unit
Guarantee	2 years

Amplifier (non-waterproof)

(4 channels "RGBW")



Ref: 41.022

12V-24V

Non-waterproof RGB + W amplifier (6A x channel) with a maximum output of 15A. It must feed from the power supply (entrance channel: +/-).

We can install as many amplifiers as we need, connecting them to each other and to their corresponding power supplies. This product is for indoor use.

Power (W)	180W (12V)
Power (W)	360W (24V)
Channels (output)	4
Amps	3.75A x channel
Measurements	119x47x23mm
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

RGB+W Sequencer



Ref: 41.049

5V-12V-24V

RGB+W sequencer (6A x channel) with a maximum output of 10A. No memory. Includes remote with signal receiver. Battery not included.

The maximum load which we can use is 2.5A if we use the 4 channels (RGBW) and 3.33A if we use the 3 channels (RGB), as the maximum output is 10A. If the installation's consumption is superior then we must use amplifiers.

Power (W)	50W (5V)
Power (W)	120W (12V)
Power (W)	240W (24V)
Channels (output)	4
Amperes	2.5A x 4 channels
Movement detection	max. 30 metres
Programs	9
Save memory	no
Regulation intensity	yes
Receptor included	No, (ref: 41.026)
Working temperature	-20°C / +60°C
Waterproof	IP20
Packaging	1 unit
Guarantee	2 years





RGB dimmer with  
3 fixed channels



Ref: 41.023                      5V-12V-24V

RGB dimmer (3A x channel).  
The 3 independent channels allow us to control, channel by channel, R, G & B and the intensity can be graduated for each colour. This colour will remain fixed until changed again. Colour degree controlled from 0% to 100%.

RGB dimmer for surfaces.  
This product is not recommended for installations in areas with high levels of humidity (IP20).

Power (W)	45W (5V)
Power (W)	108W (12V)
Power (W)	216W (24V)
Channels (output)	3
Amps	3A x channel
Control	by buttons
Measurements	130x40x52mm
Regulation colours	0% - 100%
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

RGB sequencer



Ref: 41.024                      12V-24V

RGB sequencer (4A x channel).  
No memory.  
Includes remote with signal receiver.  
Battery not included.

This product allows us to fix 7 colours (white, blue, turquoise, red, green, yellow and lilac) with progressive changes, with flashing, on and off sequences for the 7 colours and also for the 3 channels (RGB). We can also control the speed of the colour changes (4 steps). Once we switch off, the last colour changing sequence is not recorded when we switch on again.

Power (W)	144W (12V)
Power (W)	288W (24V)
Channels (output)	3
Amps	4A x channel
Signal detection distance	15m
Programs	10
Measurements (remote control)	130x64x24mm
Channels	1
Save memory	no
Regulation intensity	yes
Receiver included	yes
Working temperature	-20°C / +45°C
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Controller and receiver,  
single-coloured + RGB + RGBW



Ref: 41.025                      controller  
Ref: 41.026                      receiver 12V-24V

CONTROLLER FOR 8 ZONES, SINGLE-COLOURED + CCT DUAL + RGB + RGBW - 12V/24V - 216W (WITHOUT BATTERIES)

RECEIVER RGB + DUO + SINGLE-COLOURED (FOR 41.025, 41.030 & 41.031) - 12-24V, 216W

Power (W)	180W (12V)
Power (W)	360W (24V)
Channels (output)	5
Amps	6A x channel
Signal detection distance	15m
Control	2,4 GHz
Measurements	124x38x23mm
Regulation colours	yes
Working temperature	-20°C /+65°C
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Bluetooth sequencer  
RGB+W



Ref: 41.027                      6V-12V-24V

A very small waterproof sequencer offering IP68. It permits 43 colour changes and 16 pre-programmed static colours. It is controlled by means of a smartphone or a tablet with IOS (Apple) or Android operative systems.

As the connection is via bluetooth V2.1 and does not occupy the wifi channel, this can be used for internet connection or other uses. It is suitable both for indoors and outdoors.



Power (W)	96W (6V)
Power (W)	192W (12V)
Power (W)	384W (24V)
Channels (output)	1 (RGBW)
Signal detection distance	15m
Weight	38g
Measurements	87x212x8.5mm
Programs	16
Memory	yes
Waterproofing	IP68
Packaging	1 unit
Guarantee	2 years

Bluetooth RGB+W  
sequencer



Ref: 41.028                      12V-24V

A very small non-waterproof sequencer offering IP25, which permits multiple modes and effects. It is controlled by means of a smartphone or a tablet with operative systems IOS (Apple), version 6.0 or Android, version 4.3 upwards.

As the connection is via bluetooth V2.1 and does not occupy the wifi channel, this can be used for internet connection or other uses. It is only suitable for indoors.



Power (W)	192W (12V)
Power (W)	384W (24V)
Channels (output)	4
Amps	4A x channel
Signal detection distance	20m
Weight	46g
Measurements	86x45x23mm
Memory	yes
Waterproofing	IP25
Packaging	1 unit
Guarantee	2 years

Sequencer via wifi  
RGB+W



Ref: 41.029                      12V-24V

A very small non-waterproof sequencer offering IP25, which permits multiple modes and effects. It is controlled by means of a smartphone or a tablet with operative systems IOS (Apple), version 6.0 or Android, version 2.2 upwards. The application "Dream Color" (or similar) can be downloaded free.

It is supplied with an installation manual and a static IP in order to be able to connect via wifi.



Power (W)	192W (12V)
Power (W)	384W (24V)
Channels (output)	4
Amps	4A x channels
Signal detection distance	20 m
Weight	52g
Measurements	86x45x23mm
Memory	yes
Waterproofing	IP25
Packaging	1 unit
Guarantee	2 years

Control panel for surfaces



Rear view

Ref: 41.030 controller  
3V (3 x AAA batteries)

A small yet elegant control panel for wall surfaces with a tempered glass front. It is capable of controlling 4 different zones. It has a touch screen with a capacity of 2.4GHz and is used to control RGBW led installations, dimmers and DUAL CCT.

It is wall mounted by using double sided adhesive tape or can be screwed on.  
2 batteries are required (AAA).  
It gives out instructions to the receiver (41.026) via radiofrequency.  
Receiver not included.

Tactile screen	yes
Electrical feed	2 batteries 3v (AAA)
RGBW regulation	yes
White regulation	yes (DUAL CCT)
Speed mode +/-	yes
“On”	yes, hold botton 5 sec
“Off”	yes, hold botton 5 sec
Signal detection distance	30 metre with obstacles
Zones	4
Measurements	86x86x20mm
Front panel	tempered glass
Memory	yes
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Control panel for recessing



Rear view

Ref: 41.031 controller 220V

A small yet elegant control panel for recessing in walls with a tempered glass front. It is capable of controlling 4 different zones. It has a touch screen with a capacity of 2.4GHz and is used to control RGBW led installations, dimmers and DUAL CCT.

It is wall mounted with screws and sufficient space must be contemplated in the surface area for embedding.  
The panel has to be connected to 220V. The panel gives out instructions to the receiver (41.026) via radiofrequency.  
Receiver not included.

Tactile screen	yes
Electrical feed	2 batteries 3v (AAA)
RGBW regulation	yes
White regulation	yes (DUAL CCT)
Speed mode +/-	yes
“On”	yes, hold botton 5 sec
“Off”	yes, hold botton 5 sec
Signal detection distance	30 metre with obstacles
Zones	4
Measurements	86x86x33mm
Front panel	tempered glass
Memory	yes
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years



30 metres

2,4GH

Front view  
Ref: 41.030 / Ref: 41.031 models controller

Receiver “RN8”  
(for control panels)



Ref: 41.026 12V - 24V  
RECEIVER RGB + DUO + SINGLE-COLOURED  
(FOR 41.025, 41.030 & 41.031) - 12-24V, 216W

Power (W)	180W (12V)
Power (W)	360W (24V)
Channels (output)	5
Amps	6A x channel
Control	2,4 GHz
Measurements	124x38x23mm
Regulation colours	yes
Working temperature	-20°C /+65°C
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years



Led Dimmer

(constant voltage 0-10V / 1-10V)



Ref: 41.033

120W (12V)  
240W (24V)

This is a device with just 1 channel for regulating the light intensity, using an analogue signal which can work at 0-10V or at 1-10V (dimmer). It can be installed in big profiles (check models) and also in standard wall boxes.

Attention: we advise you to leave a safety margin of 20% for a correct working of the product.

Power (W)	120W (12V)
Power (W)	240W (24V)
Channels (output)	1
Amps	10A
Control	1-10V
Measurements	56x68x35mm
Weight	38g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Led Dimmer DALI

(constant voltage 12V-24V)



Ref: 41.034

78W (12V)  
156W (24V)  
312W (48)

This is a device with just 1 channel for regulating the light intensity, using an digital signal which can DALI protocol. It incorporates a pushbutton if we want to operate the device without the "bus" controller. It can be installed in big profiles (check models) and also in standard wall boxes.

Attention: we advise you to leave a safety margin of 20% for a correct working of the product.

Power (W)	78W (12V)
Power (W)	156W (24V)
Power (W)	312W (48V)
Channels (output)	1
Amps	6.5A
Control	DALI
Measurements	56x68x35mm
Weight	43g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Led Dimmer DMX

(constant voltage 12V-24V)



Ref: 41.035

78W (12V)  
156W (24V)  
312W (48)

This is a device with just 1 channel for regulating the light intensity, using an digital signal which can DMX512 protocol. It incorporates a pushbutton if we want to operate the device without the "bus" controller. It can be installed in big profiles (check models) and also in standard wall boxes.

Attention: we advise you to leave a safety margin of 20% for a correct working of the product.

Power (W)	78W (12V)
Power (W)	156W (24V)
Power (W)	312W (48V)
Channels (output)	1
Amps	6.5A
Control	DMX
Measurements	56x68x35mm
Weight	43g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

Casambi dimmer controller (Bluetooth)

Ref: 41.045



Triac dimmer (via Bluetooth) for led strips at 230V (Infinity & Ghost profile). Program can be downloaded for free with operative systems IOS (Apple) or Android.

Casambi uses a mesh network technology, meaning that each 41.045 also acts as a repeater.

Power (W)	150W (230V)
Voltage (V)	85V-240V
Control	bluetooth
Amps	0.65A
Measurements	40.4x36.3x14mm
Apt for	indoor
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

## DIGITAL CONTROLLER



Ref: 41.036

5V-24V

RGB IP20 digital wifi controller that allows multiple modes and effects.  
Free download program via IOS (Apple) or Android operating systems.

## MINI DIGITAL CONTROLLER



Ref: 41.037

5V-24V

RGB WiFi digital controller plus remote.  
358 pre-recorded functions.  
Brightness adjustment, flash, flickering and grading function.

## DIGITAL CONTROLLER WITH IP20 SENSOR



Ref: 41.038

Digital controller with 133 effects.  
It is controlled by means of the buttons on the controller or with a small remote control.  
Working tension 12V, maximum pixel load of 1024 points (in low mode) or 2048 points (in high mode).

Working voltage	5V - 12V - 24V
Working current	20mA to 130mA
Control method	Wifi
Application	Led Shop, can be downloaded from applications or via QR codes which contain the same product.
Compatible with operative systems	IOS version 10.0 or superior. Android OS 4.4 or superior.
Signal detection distance	30 metre with obstacles
Maximum pixel load	2048px
Product dimensions	45x22x85mm
Product weight	40g
PCB	10mm
Working temperature	-20°C / +60°C
Cable holding system	By means of pressure connectors with screws for cables of maximum 1.5mm <sup>2</sup> (in Output and Input) or with a Jack connector.
Memory	yes

Working voltage	5V - 12V - 24V
Working temperature	-20°C / +60°C
Maximum pixel load	2048px
Control mode	via remote control RF
Control battery	CR2025
RF signal distance	30 clear metre
Working modes	yes, 358 different types
Dimensions	85x40x5mm remote control 75x35x5mm controller
Product dimensions	L137xW70xH25mm
Memory	yes

Product	Led digital controller
Working voltage	12V
Working current	< 60mA
Electric feed	By means of Jack connector or terminal with screws for cables
Maximum pixel load	1024 points (in low mode) or 2048 points (in high mode).
IC compatible models	WS2811, WS2812B, TM1809, UCS1903 y TM1812
Working temperature	-20°C / +60°C
Effect modes	133
Product dimensions	L137xW70xH25mm
Control types	by means of the buttons on the controller or with a small remote control.
Synchronous controller	yes, they can be synchronised by means of a mains cable connection and a RJ45 connector

## CONTROLLER



Ref: 41.047

Controller for digital led strips which supports the majority of Ic on the market.

Suitable for controlling up to 2048 pixels.

The programming is saved in a SD card which is inserted into the controller.

Product	Led digital controller
Working voltage	5V-24V
Working current	< 60mA
Electric feed	By means of Jack connector or terminal with screws for cables
Maximum pixel load	2048 points (in high mode).
IC compatible models	WS2811, WS2812B, TM1809, UCS1903 y TM1812
Working temperature	-20°C / +60°C
Product dimensions	L160xW90xH30mm
Control types	by means of the buttons on the controller
Synchronous controller	yes, they can be synchronised by means of a mains cable connection and a RJ45 connector

## CONTROLLER



Ref: 41.048

Controller for digital led strips which supports the majority of Ic on the market.

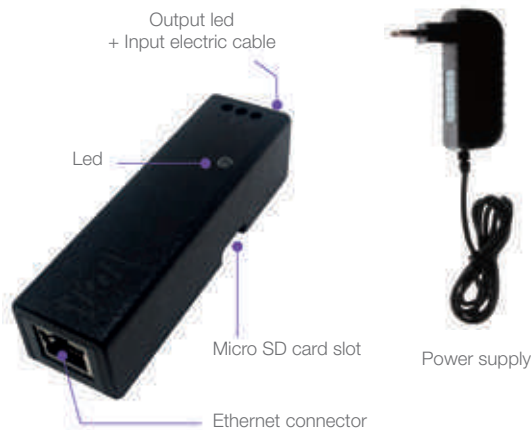
Suitable for controlling up to 8192 pixels.

The programming is saved in a SD card which is inserted into the controller.

Product	Led digital controller
Working voltage	5V-24V
Working current	< 60mA
Electric feed	By means of Jack connector or terminal with screws for cables
Maximum pixel load	8192 points (in high mode).
IC compatible models	WS2811, WS2812B, TM1809, UCS1903 y TM1812
Working temperature	-20°C / +60°C
Product dimensions	L180xW120xH30mm
Control types	by means of the buttons on the controller
Synchronous controller	yes, they can be synchronised by means of a mains cable connection and a RJ45 connector



## "Basic" starter kit



Flexible led strip (5m roll)

Ref: 41.039

Digital Led "basic" starter kit  
Includes: 1 controller, 1 flexible led strip (5m roll), 1 power supply, a 3 month subscription to Protopixel Create (design software).

## ProtoPixel Create "control software"



Ref: 46.014

1 month

"ProtoPixel software is used to create visual content and scenes for Digital Led installation. The first time you download the software in your computer, it will be executed in "demo" mode during 30 days. After this, you will have to take out a monthly subscription."

**Subscriptions.** ProtoPixel Create can be used for free in order to generate lighting projects (create content, lighting zones and for developing interactive experiences, etc). This "demo" mode only shows a water mark on the final content, but it allows you to design at your leisure. However, if you want to design without water marks and/or export the content to the final installation, you would need to take out a monthly subscription which you can activate at any time. All subscriptions can be renovated monthly if needed.

Protopixel Remote Management Silver  
Ref: 41.050

Protopixel Remote Management Gold  
Ref: 41.051

Protopixel Remote Management Platinum  
Ref: 41.052

## ProtoPixel Player "sequence player"



Measurements:  
65x91x26mm

Ref: 41.040

### What is 41.040?

Player is a device used to reproduce the lighting sequences created and recorded with the control software (ProtoPixel Create).

This is also an interesting alternative and much more simple than the Protopixel control software Node, when we are using a non interactive

### Technical characteristics:

- Capacity for managing up to 6 controllers.
- Reproduction of unlimited lighting sequences.
- Does not require subscription.
- Requires ProtoPixel Create software to design and record lighting sequences.
- No subscription required to ProtoPixel Create in order to execute sequences.
- Network connection: Ethernet and WiFi access point.
- Electric feeding via micro-USB or external power supply (5V 2A).
- Includes cable and power supply.

## ProtoPixel Node "mini computer"



Measurements:  
115x112x32mm

Ref: 41.041

### What is 41.041?

Node is a mini computer which reproduces lighting content and scenes generated by ProtoPixel Create. This node operates independently without having to use a computer and the final user can control the lighting scenes with an App.



### How does it work?

All lighting scenes designed by ProtoPixel Create Software can be saved in this Node locally or remotely (in a cloud). The content can also be monitored and updated remotely.

## CONTROLLER + 2 SATELLITES "high quality 8 channel controller"



Measurements:  
65x89x26mm



SATELLITES

Ref: 41.042

### What is 41.042?

8 channel controller used to manage up to 4800 RGS Leds at 50fps. The controller comes with 2 satellites to simplify the connection.

It can reproduce lighting scenes sent from ProtoPixel Create or stored in ProtoPixel Player or Node.

It can be fed by USB or with an external power supply (5V). USB interface not only permits power supply but also the updating of the firmware.

### Technical characteristics:

- Standard Ethernet interface 10/100mbps.
- 2 satellites included with every controller
- Maximum capacity: 4800 RGB leds at 50fps.
- Easy network configuration by means of DHCP.
- It is fed directly at 5V or via USB.
- It is compatible with different types of Led strips, individually controlled.
- WS2811
- WS2812
- WS2812B
- NEOPIXEL
- SK6812
- WS2813
- CS8812
- WS2815

## 1 channel CONTROLLER "1 channel controller in small scale"



Measurements:  
28x120x25mm

Ref: 41.043

Ref: 41.044

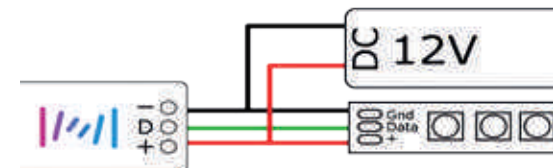
without wifi  
with wifi

### What is 41.043?

1 channel controller (satellites are not required). It can reproduce lighting scenes from ProtoPixel Player or Node which are stored in the microSD card of the controller. It can control up to 600 RGB leds. It offers easy and basic installation. We can add as many controllers as necessary. All data cables are replaced by standard Ethernet cables which cover very long distances. It also has a microSD card slot that can be used to add recorded content which the controller will play independently.

### Technical characteristics:

- Standard Ethernet interface 10/100mbps.
- Slot for microSD card.
- Maximum capacity: 600 RGB leds at 50fps.
- Easy network configuration with DHCP.
- Directly fed at 5V or 12V.
- It is compatible with different types of Led strips, individually controlled:
- WS2811
- WS2812
- WS2812B
- NEOPIXEL
- SK6812
- WS2813
- CS8812
- WS2815





Ref: 42.008  
Terminal sealed with silicone (2 poles) for cables  
of up to Ø0.9mm  
Measurements: 8x15mm



Ref: 42.009  
Terminal sealed with silicone (3 poles) for cables  
of up to Ø0.9mm  
Measurements: 10x15mm



Ref: 42.010  
Terminal sealed with silicone (3 poles) for cables  
of up to Ø1.5mm  
Measurements: 15x20mm



Ref: 42.011  
Terminal sealed with silicone (2 poles) for cables  
of up to Ø1.5mm  
Measurements: 13x50mm



Ref: 42.012  
Terminal (not sealed) with 1 pole in "T"  
Measurements: 25.3x12.8mm



Ref: 42.013  
Terminal (not sealed) with 2 poles in "T"  
Measurements 28.8x16.8mm



Ref: 42.014  
Terminal (not sealed) with 3 ways  
Measurements: 20x14x17mm

For cables  
of up to 2mm



Ref: 42.015  
Terminal (not sealed) with 1 pole  
Measurements: 8x3mm



Ref: 42.016  
Terminal (not sealed) with 2 poles  
Measurements: 8x6mm



Ref: 42.017  
Terminal (not sealed) with 5 ways  
Measurements: 25x14x20mm

For cables  
of up to 2mm

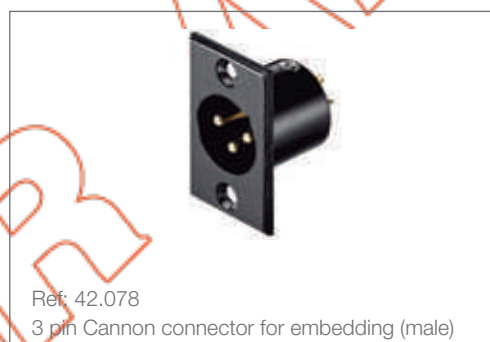
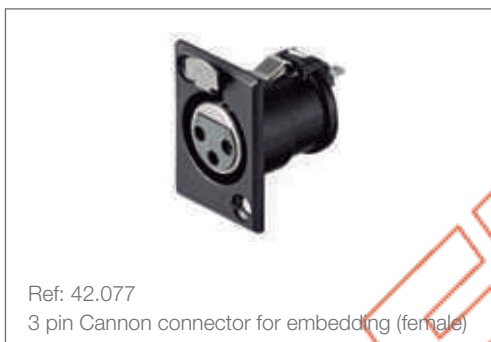
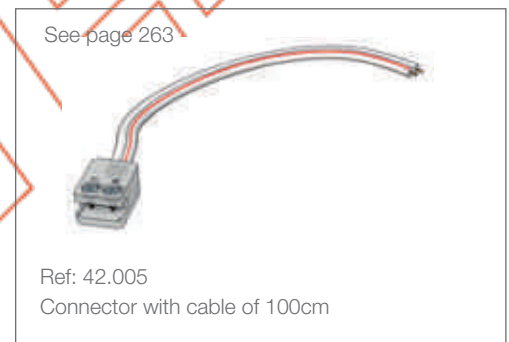
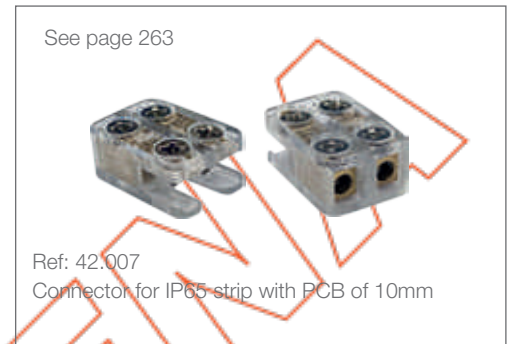
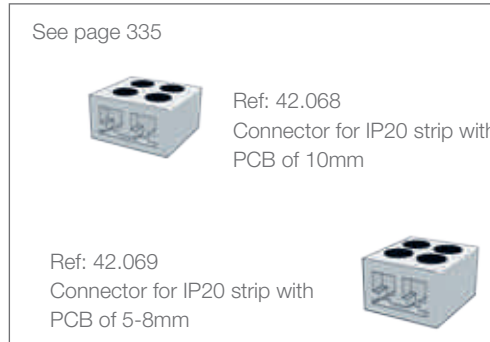
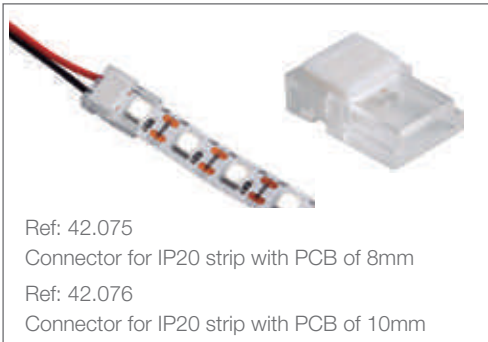


Ref: 42.072  
Terminal (not sealed) with 5 ways  
Measurements: 41.5x15x40.6mm



Ref: 42.073  
Terminal (not sealed) with 3 ways  
Measurements: 39.2x14.8x18.8mm







Ref: 42.037  
Waterproofing spray  
for leds and connections: 500ml

*In order to be able to waterproof approx 12 metre of DUBLIN led profile we would need these quantities of both resin and catalyst.*



Ref: 22.018  
Epoxy resin for water proofing  
led profiles. 1 tin (1kg) + 1 catalyst (400g)



Ref: 42.045  
Alkaline batteries (AAA)

Silicone encaps



Ref: 19.181 without hole  
Ref: 19.182 with 2 holes  
Ref: 19.183 with 4 holes

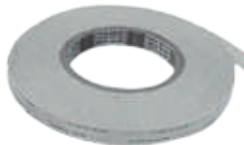


Ref: 20.041 silicone clip

Ref: 19.251  
Cap with connector neck  
transparent silicone



Ref: 42.046  
Button cell batteries (3V)



Ref: 42.002  
Double side adhesive tape (160 microns)  
Measurements: 50m x12mm



Ref: 42.003  
Double sided adhesive foam tape  
Measurements: 50m x12mm

Thermal adhesive tape

Ref: 42.038 25m x5mm  
Ref: 42.039 25m x10mm  
Ref: 42.040 25m x20mm



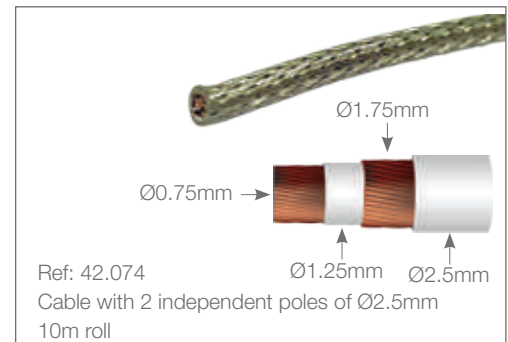
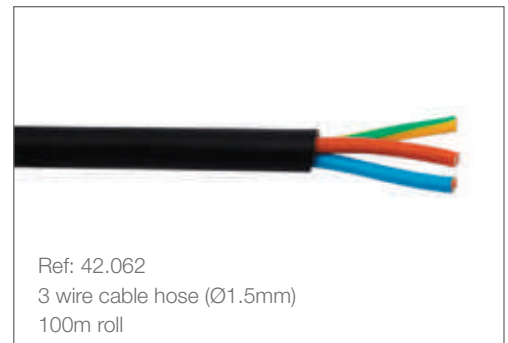
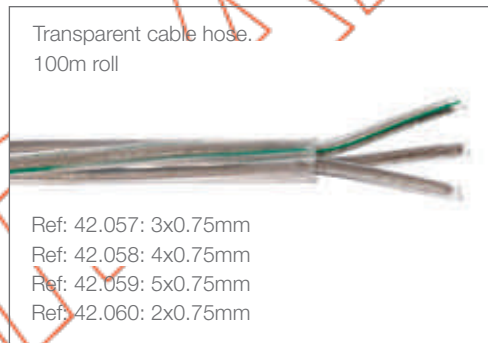
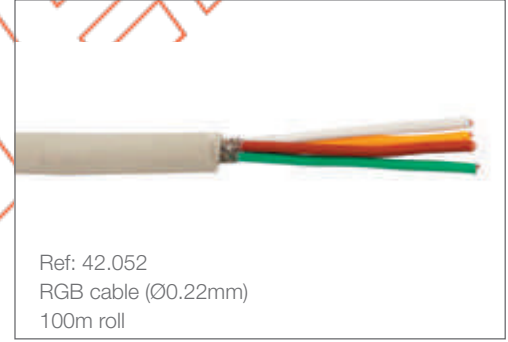
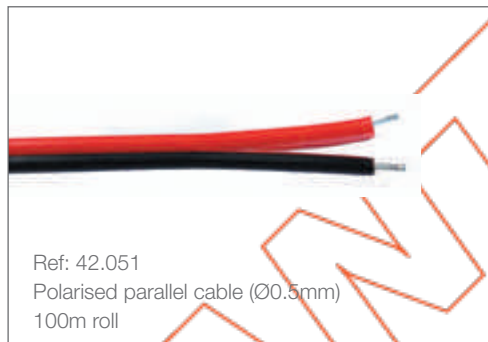
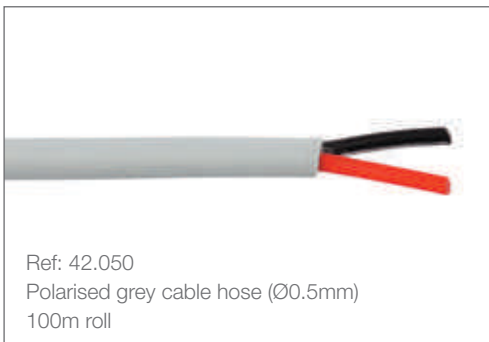
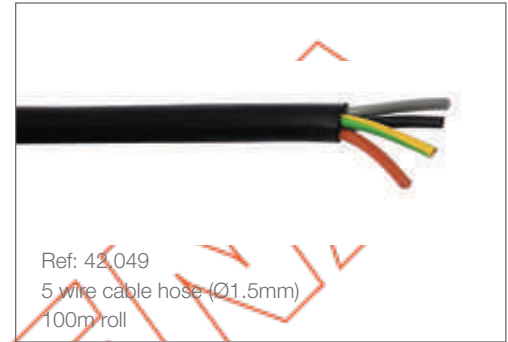
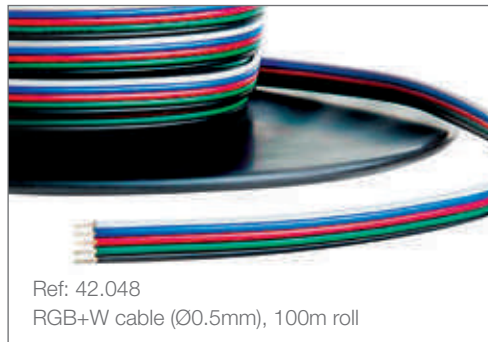
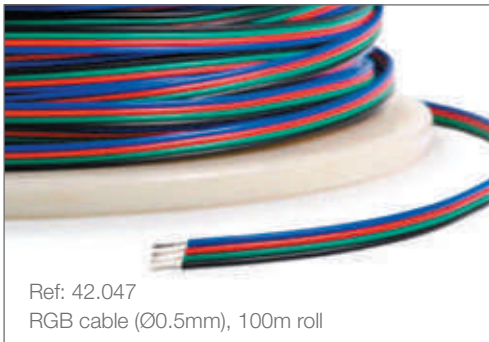
Ref: 42.041  
Welding paste for leds 1 tin



Ref: 42.042  
Cutters for led profiles and covers



Ref: 42.001  
Adhesive magnetic strips (12mm width)  
for fixing led profiles





Rosette



Ref: 46.015 white Ø200mm

Rosette



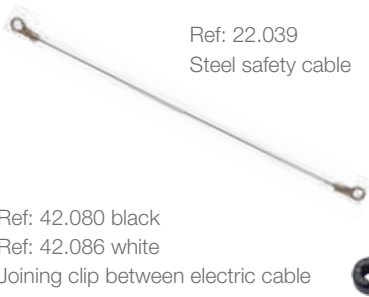
Ref: 46.025 silver Ø100mm  
Ref: 46.024 white Ø100mm  
Ref: 46.023 black Ø100mm

Rosette



Ref: 46.019 silver

Ref: 22.039  
Steel safety cable



Ref: 42.080 black  
Ref: 42.086 white  
Joining clip between electric cable  
and braided suspension cable



Ref: 42.085  
Emergency kit for luminaires (Vossloh)



Ref: 46.020  
SD card with adaptor



Ref: 42.034  
Connecting cable of 200cm for multiple bypass  
box. Ref: 42.035  
Measurements: 7x4mm



Ref: 42.035  
Multiple bypass box, 6 inlets, IP20 (cables not  
included)  
Measurements: 50x30x5mm



Electric rail for shelving

Ref: 42.081 white rail  
Ref: 42.082 black rail  
Ref: 42.083 white connector  
Ref: 42.084 black connector

Hanging kit



Ref: 21.001 silver  
Ref: 21.002 white  
Ref: 21.003 black



Ref: 42.065  
Bulkhead connector:  
14x6mm black rubber



Ref: 42.064  
Bulkhead connector:  
11x4.5mm black rubber



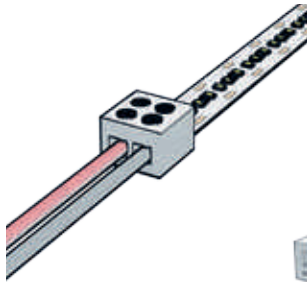
Ref: 42.067  
Bulkhead connector  
transparent



Ref: 42.066  
Bulkhead connector  
black

## Connectors for non-waterproof strips. (with screw system, no need for welding)

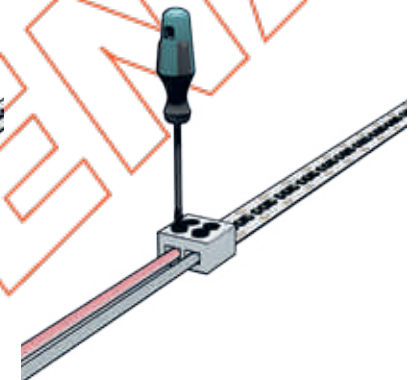
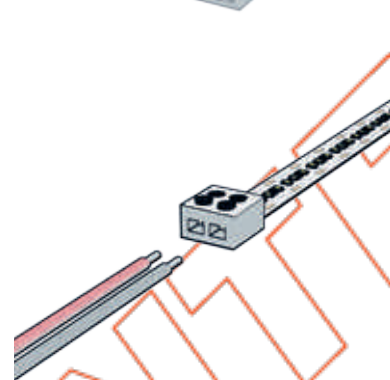
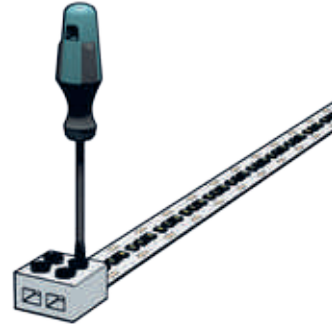
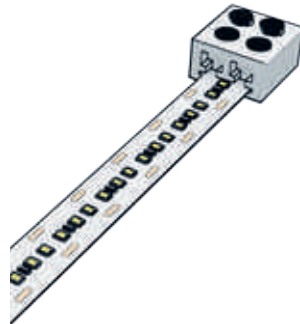
Our new IP20 connectors make led strip connections easier, as there is no soldering involved. Only 2 screws are required like in conventional terminal blocks.



42.068 10mm PCB connectors



42.069 5-8mm PCB connectors



1. We place the strip inside the connector.

2. We tighten the screws on the connector to fix the led strip.

3. We connect the electric cable.

4. We tighten the screws on the connector to hold the cables in place.

We can also use these connectors for waterproof led strips, but we have to remove the silicone layer.

**IMPORTANT: the connection will only be IP20.**

### Connectors compatible with our led strips:

#### 42.068:

- ALCORCON
- BARCELONA
- CANOVELLES
- VIZCAYA
- ELITE
- IBIZA
- PINK 20
- RUBI
- HIERRO
- LANZAROTE

#### 42.068:

- GOMERA
- TENERIFE
- PALMA
- ANTEQUERA
- PINTO
- MOSTOLES

#### 42.069:

- GETAFE
- GRANOLLERS
- GRANADA
- JADE
- AVILA
- CIES
- PINK 10

### Connectors compatible with Led Profile:

#### 42.068:

- TORINO
- DUBLIN XL
- PARIS XL
- ROMA XL
- BERLIN XL
- SOPHIA XL
- INFERNO
- VERSALLES
- TEXAS
- NUEVA YORK
- PHILADELPHIA

#### 42.069:

- All those permitted for the ref: 42.068
- SOPHIA
- ROMA
- BERLIN
- MIAMI

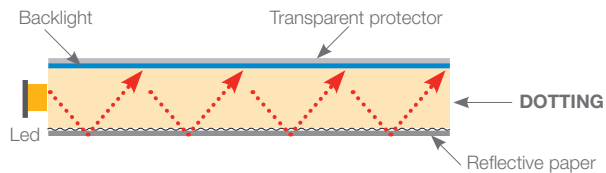
## Dotting Matrix

The methacrylate optic is an exceptionally good quality cast acrylic sheet which has been laser engraved "Dotting" and when we apply the flexible led strip on the edge of the sheet, the light is projected frontwards.

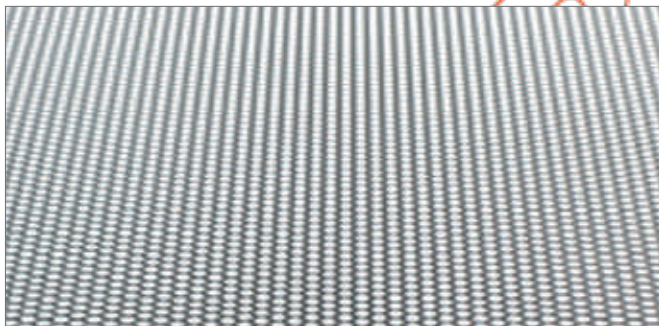
This allows us to manufacture luminous publicity displays or decorative panels with different shapes and with only a width of 3mm.

If requested, along with the methacrylate sheets we can supply (free of charge) special reflective paper which is applied to the rear of the panel where we find the milled pattern (squares or dots). The light is therefore reflected towards the front and we can achieve a softer effect.

### DOTTING MATRIX Methacrylate with side lighting



### DOTTING MATRIX



Ref: 71.001	Measurements: 3000x2000x3mm
Ref: 71.002	Measurements: 1500x2000x3mm
Ref: 71.003	Measurements: 3000x2000x5mm
Ref: 71.004	Measurements: 1500x2000x5mm
Ref: 71.005	Measurements: 3000x2000x8mm
Ref: 71.006	Measurements: 1500x2000x8mm







Luminaires designed and manufactured with Dotting and “Cíes” ecoled, all by Luz Negra.

## Luminous “Plexiled” panels

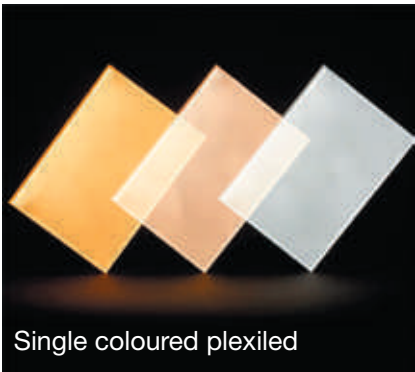
Plexiled is a totally custom made panel where we apply led strips to one side or to all sides of the methacrylate (DOTTING MATRIX) and hence transforming it into a luminous panel.

The client can choose the thickness of the methacrylate optic, the power, the colour of the led strip and the number of sides to be illuminated (the more sides illuminated, the brighter the panel).

The Plexiled can be manufactured with led strips on the edge (Slim model) or by inserting the led strip into the milling of the methacrylate (Maxi model).

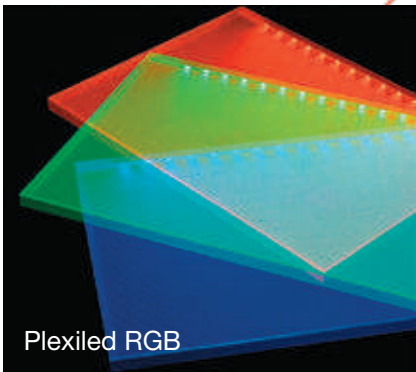
We can study all your needs to cover different models, eg, curved, round, etc.

\* Compatible profiles found on pages 152, 154, 158, 160 and 161



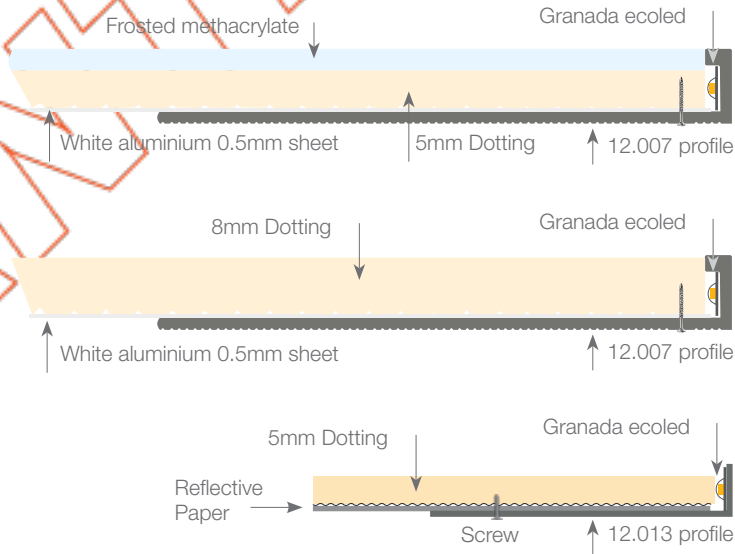
Single coloured plexiled

Light tone in 2800°K - 5000°K with “ecoled Granollers”  
3000°K - 4400°K with “ecoled Cíes”



Plexiled RGB

Available in RGB with “Alicante” ecoled



### Technical characteristics:

Sides to be illuminated:  
L1 - L2


Power supply (Vötsloh brand) included in the price.

Guarantee: 2 years.

		Plexiled SLIM with 5mm thickness					
		30cm	60cm	90cm	120cm	150cm	200cm
30cm	L1	71.007	71.008	71.009	71.010	71.011	71.012
30cm	L2	71.013	71.014	71.015	71.016	71.017	71.018
60cm	L2	-	71.019	71.020	71.021	71.022	71.023
90cm	L2	-	-	71.024	71.025	71.026	71.027
120cm	L2	-	-	-	71.028	71.029	71.030

		Plexiled maxi with 8mm thickness					
		30cm	60cm	90cm	120cm	150cm	200cm
30cm	L1	71.031	71.032	71.033	71.034	71.035	71.036
30cm	L2	71.037	71.038	71.039	71.040	71.041	71.042
60cm	L2	-	71.043	71.044	71.045	71.046	71.047
90cm	L2	-	-	71.048	71.049	71.050	71.051
120cm	L2	-	-	-	71.052	71.053	71.054



The image shows the interior of a restaurant with a traditional Japanese aesthetic. Several large, square, paper lanterns with dark wooden frames hang from the ceiling, casting a warm, yellow light. The ceiling itself is made of dark wood with horizontal slats. In the background, there are wooden tables and benches, some with a brick-like pattern. A sign with Japanese characters is visible on the right. The overall atmosphere is cozy and traditional.

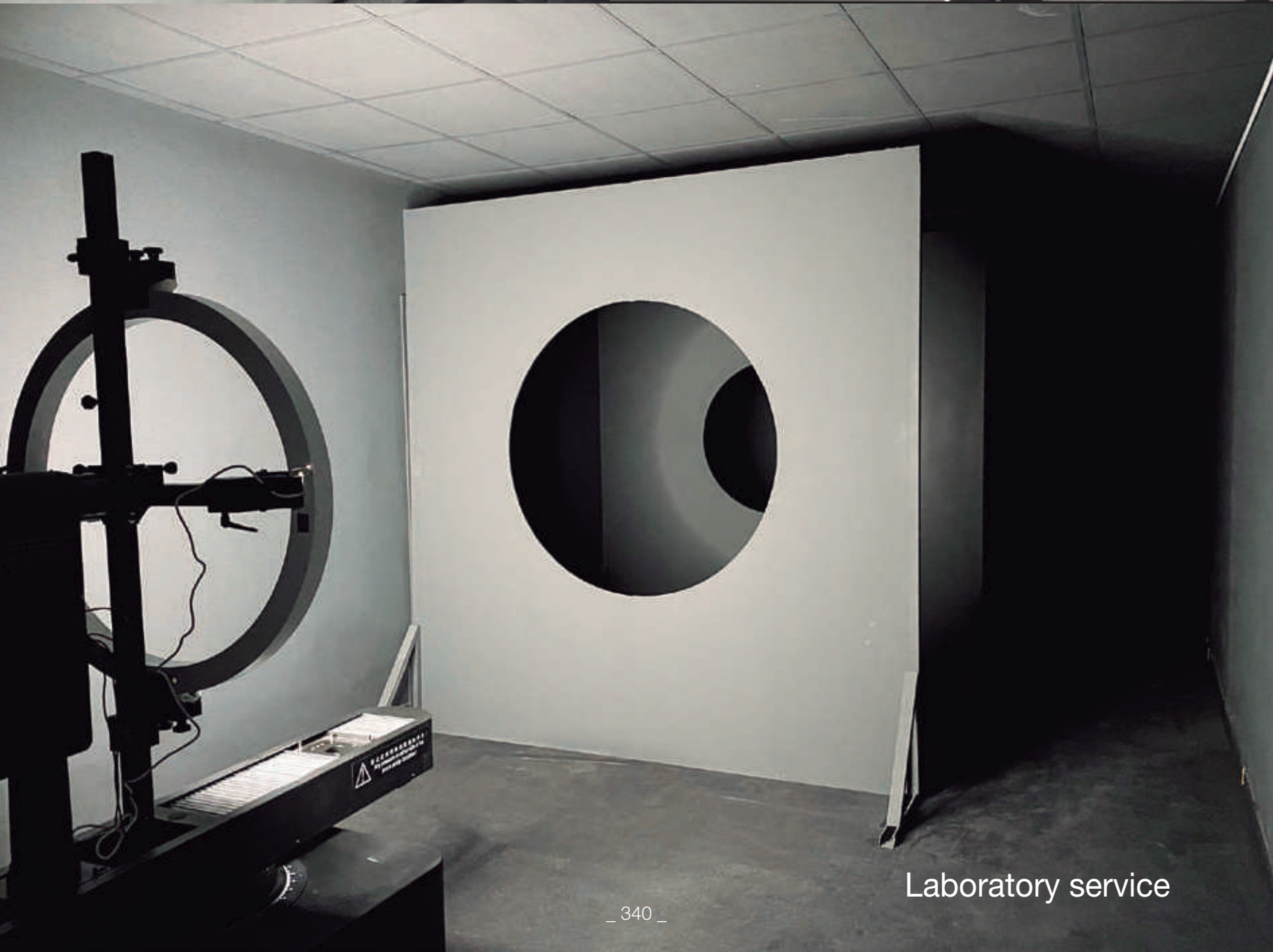
Luminaires designed and manufactured with Dotting and ecoleds (see page 336), all by Luz Negra.

Project carried out by MASQUESPACIO  
(Restaurante Hikari).









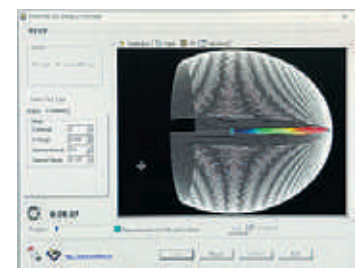
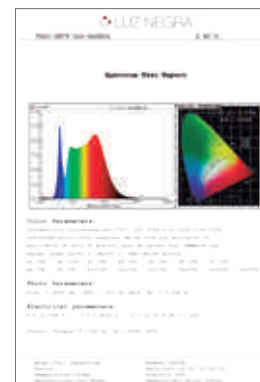
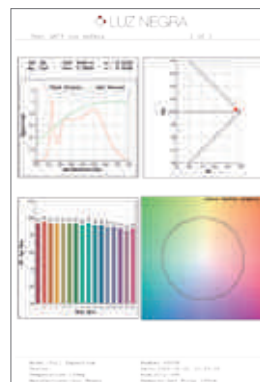
Laboratory service



At Luz Negra we can offer you a new service for testing and measuring procedures in our certified laboratory.

These measurements are calculated by our 2 most technologically advanced machines, these being a spectroradiometer equipped with an integrated sphere with a 1500mm diameter and a goniophotometer, which carries out product testing in a 40m<sup>2</sup> dark room.

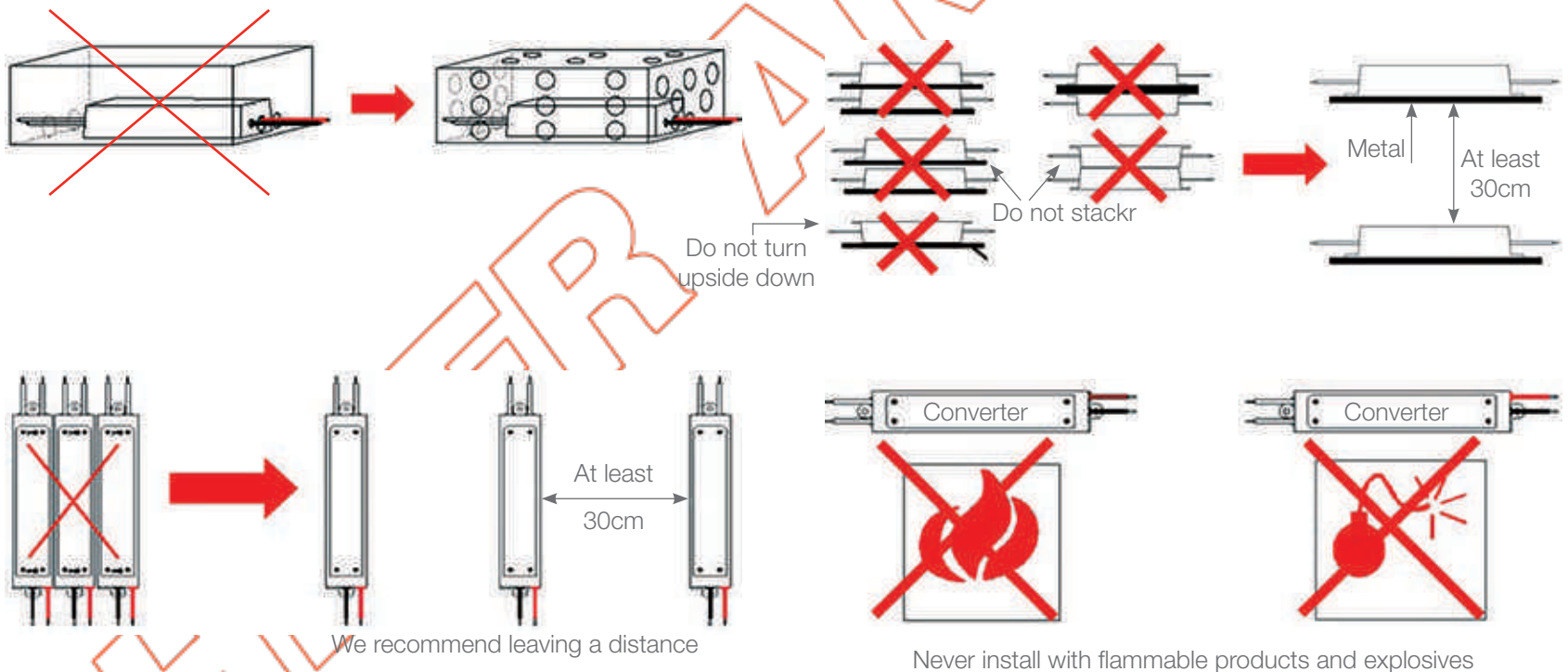
On pages 14-19 you will find more relevant information regarding the testing which we carry out.



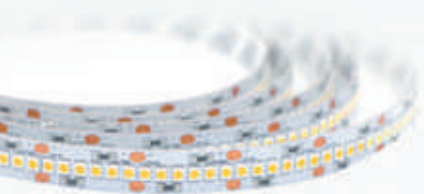


## BASIC RULES FOR THE INSTALLATION OF POWER SUPPLIES

1. Study the voltage (V) and the wattage consumption (W) of the installation to be carried out, in order to be able to correctly choose the appropriate power supply.
2. Never place the power supply in closed boxes (allow to ventilate).
3. Depending on the type of installation we must install the power supply in the right place (to avoid sudden voltage drops). It is not advisable to place the source at a distance greater than 3 metre (maximum recommended) and if so, we must use thicker wiring.
4. If the installation is exterior, or in any place where there is moisture or condensation, it is essential to use waterproof power supplies (as well as other components such as leds, connections, etc.)
5. To prevent overheating we recommend not overloading the power supplies in more than 85% of their theoretical maximum load (for example with a 100W source don't connect more than 85W). The same should apply to amplifiers, sequencers, dimmers and other accessories.
6. We recommend placing the power supplies on materials which favour dissipation, such as aluminum and other metals.
7. Do not stack power supplies as this can lead to malfunctions (caloric condensation and radiofrequency switching).
8. We must take special care when installing the power supplies, especially where there are risks of corrosion from external liquids, as well as places where there are high risks of fire and /or explosions.







# Basic rules for installing ecoleds

- 1.- Any waterproof ecoled stops being waterproof as soon as we cut it. If we want to maintain the water-tightness we must apply a "silicone plug" on the cut area (silicone, insulating resin, etc).
- 2.- If the installation is carried out in the exterior then all the connections must be done using waterproof components. This way we avoid any type of short circuit (water-tight power strips, power supplies, cable coverings, etc).
- 3.- For the sequencers, converters, amplifiers and programmers we have to contemplate a safety margin of 15% and therefore we must never apply more than 85% of the theoretical load (if a converter/sequencer is 100wt power, we don't recommend applying more than 85wt).
- 4.- We recommend use for between 18-20 hours daily (max. recommended for "PRO" and "PREMIUM" series) and between 8 & 12 hours (max. recommended for "BASIC" series), taking into consideration that the led strip is on a dissipating surface and that the surrounding conditions are the appropriate. Use is not recommended below -20°C and above 45°C otherwise its lifespan will be affected considerably.
- 5.- This product is sensitive to static electricity. Avoid touching after having manipulated plastic. Keep the product in its original packaging until used.
- 6.- In order to avoid decreases in tension do not connect leads superior to those indicated on the technical data sheet for each product.
- 7.- We always recommend closing the circuit in the installation so as to achieve colour uniformity in the flexible led and a lower drop in tension. This favours an even distribution of the heat from the led in up to 30% more.
- 8.- For strips with power greater than 14W; always use: heat dissipation tape aluminium dissipating plate (Ref 12.017) or a led profile to enhance heat dissipation.
- 9.- For strips with power greater than 14W; do not use for recessing in wood otherwise its lifespan will be affected considerably and the guarantee will be void. (Please check with our technical department for this type of installation).
- 10.- If we continuously bend the flexible modules we can break its circuit (PCB). The product must be manipulated with extreme care. Do not bend the flexible ecoled led strip in a radius less than 3cm or the guarantee will be void.
- 11.- Do not place the power supply more than 300cm from the installation to avoid decreases in tension.
- 12.- Power supplies, sequencers, amplifiers and other accessories must always be supplied by LUZ NEGRA otherwise the guarantee will become void and we will not accept any type of claim.
- 13.- These products are not recommended for saline areas (please check with our technical department).



## Cable section for installations

### How to choose the correct cable for an installation

Choosing the correct electrical cable is a basic requirement for the equipment which we are connecting to function and above all to ensure the safety of the installation. The section, or the gauge is the diameter of the cable, which is normally made of copper, without counting the insulating layer. The section determines the electrical charge – in Amps – which the cable can hold.

### Which is better? Rigid or flexible cable?

The rigidity or flexibility of the cable depends on the number of copper wires which it has (one single wire is more rigid than a cable with various wires). The flexible cable is more manageable and makes work easier in recessing walls and if there are any elbows or bends involved in the installation.

### Outside installations and areas with high levels of humidity (SPA)

For outside installations or places which have high condensation levels (eg. saunas and baths), we must ensure that the cable has the correct covering to protect from humidity. However, we always recommend that the cable goes inside a protection tube.

Maximum cable length (metres) to be applied with leds at 12V/temperature 20°C

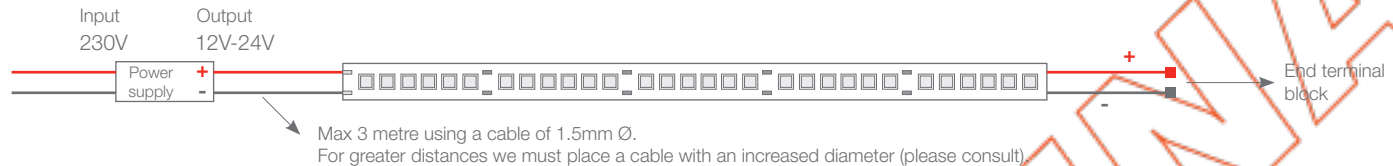
Cable section (diameter Ø)	10W	20W	30W	40W	50W	75W	100W	150W	200W	250W
0.5mm <sup>2</sup>	8.1	4.0	2.7	2.0	1.6	1.1	0.8	0.5	0.4	0.3
0.75mm <sup>2</sup>	12.1	6.0	4.0	3.0	2.4	1.6	1.2	0.8	0.6	0.5
1mm <sup>2</sup>	16.1	8.1	5.4	4.0	3.2	2.2	1.6	1.1	0.8	0.6
1.5mm <sup>2</sup>	24.2	12.1	8.1	6.0	4.8	3.2	2.4	1.6	1.2	1.0
2.5mm <sup>2</sup>	40.3	20.2	13.4	10.1	8.1	5.4	4.0	2.7	2.0	1.6
4mm <sup>2</sup>	64.5	32.3	21.5	16.1	12.9	8.6	6.5	4.3	3.2	2.6
6mm <sup>2</sup>	96.8	48.5	32.3	24.2	19.4	12.9	9.7	6.5	4.8	3.9
10mm <sup>2</sup>	161.3	80.6	53.8	40.3	32.3	21.5	16.1	10.8	8.1	6.5

Maximum cable length (metres) to be applied with leds at 24V/temperature 20°C

10W	20W	30W	40W	50W	75W	100W	150W	200W	250W
32.3	16.1	10.8	8.1	6.5	4.3	3.2	2.2	1.6	1.3
48.4	24.2	16.1	12.1	9.7	6.5	4.8	3.2	2.4	1.9
64.5	32.3	21.5	16.1	12.9	8.6	6.5	4.3	3.2	2.6
96.8	48.4	32.3	24.2	19.4	12.9	9.7	6.5	4.8	3.9
161.3	80.6	53.8	40.3	32.3	21.5	16.1	10.8	8.1	6.5
258.0	129.0	86.0	64.5	51.6	34.4	25.8	17.2	12.9	10.3
387.1	193.5	129.0	96.8	77.4	51.6	38.7	25.8	19.4	18.5
645.1	322.6	215.0	161.3	129.0	86.0	64.5	43.0	32.3	25.8

## Installation diagram for a single coloured open series circuit

When using this type of circuit, it's important not to exceed the maximum recommended power levels (defined in the data sheet provided for each product). By doing so, we will avoid overheating at the beginning of the led strip and potential malfunctioning. The power levels supplied by the transformer must be more than the consumption ratings with a security margin of between 15% and 20%. The use of thermal tape ref: 42.039 or an aluminium surface is highly recommended for improving heat dissipation with the flexible led strip. Waterproof terminal blocks must be placed on the cable ends to avoid humidity and therefore possible malfunctions in the installation.



## Installation diagram for a single coloured closed circuit

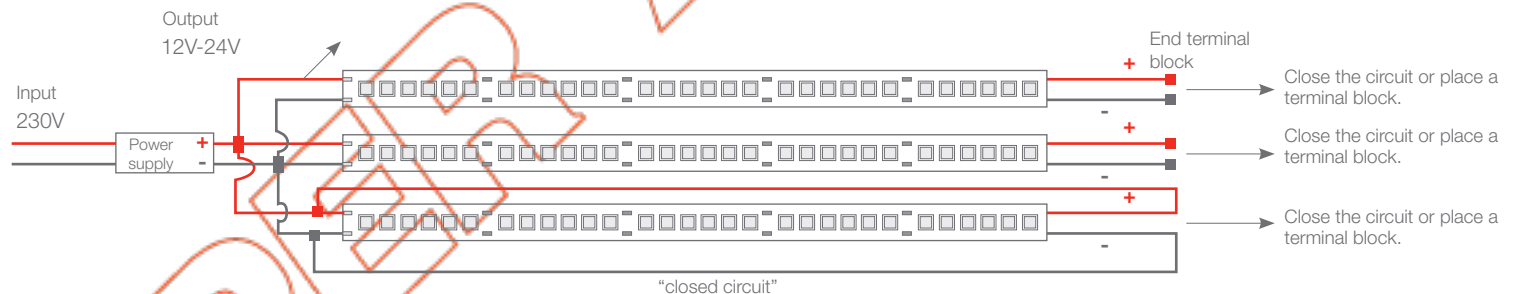
When using this type of circuit, it's important not to exceed the maximum recommended power levels (defined in the data sheet provided for each product). By doing so, we will avoid overheating at the beginning of the led strip and potential malfunctioning. The use of thermal tape ref: 42.039 or an aluminium surface is highly recommended for improving heat dissipation with the flexible led strip. Waterproof terminal blocks must be placed to avoid humidity and therefore possible malfunctions in the installation.



## Installation diagram for a single coloured parallel circuit.

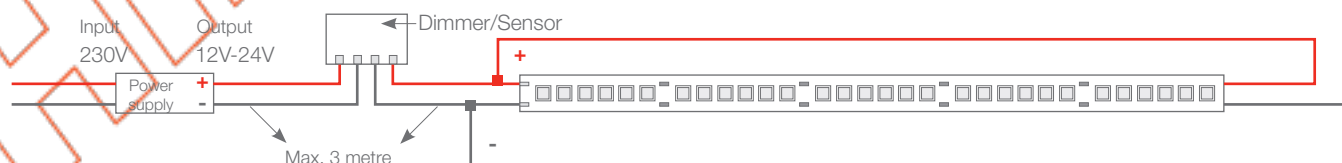
Installation diagram for a single coloured parallel circuit

On a series circuit, do not exceed the maximum recommended power levels for each line circuit (recommended power levels are defined in the data sheet provided for each product). The power levels supplied by the transformer must be more than the consumption ratings with a security margin of between 15% and 20%. The use of thermal tape ref: 42.039 or an aluminium surface is highly recommended for improving heat dissipation with the flexible led strip. Waterproof terminal blocks must be placed to avoid humidity and therefore possible malfunctions in the installation.



## Installation diagram for single coloured circuit with "dimmer" or "sensor"

We will always install the controller (dimmer or sensor) after the power supply. For large installations we will need to use amplifiers to avoid losing signals. The use of thermal tape ref: 42.039 or an aluminium surface is highly recommended for improving heat dissipation with the flexible led strip. Waterproof terminal blocks must be placed to avoid humidity and therefore possible malfunctions in the installation.



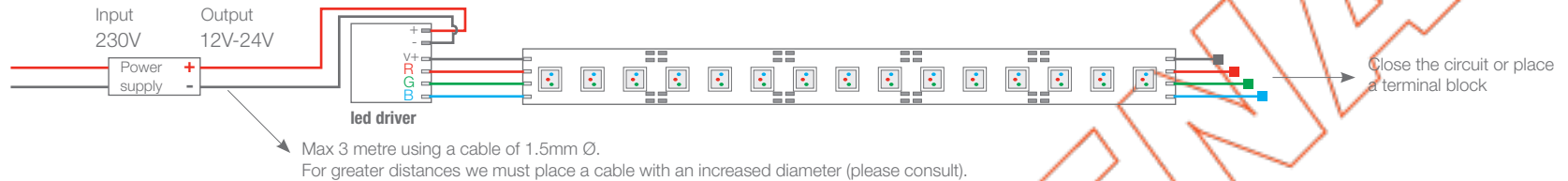
## Installation diagram for RGB “3 channels”

We do not recommend applying more than 5 metre of led strip without an amplifier.

The power supply must always be greater than our electrical consumption and we recommend a safety margin of between 15% and 20%.

We recommend the use of thermal tape, ref: 42.039 or an aluminium base in order to improve heat dissipation of the led strip.

Waterproof terminal blocks must be placed on the cable ends to avoid humidity and therefore possible malfunctions in the installation.



## Installation diagram for RGBW “4 channels”

We do not recommend applying more than 5 metre of led strip without an amplifier.

The power supply must always be greater than our electrical consumption and we recommend a safety margin of between 15% and 20%.

We recommend the use of thermal tape, ref: 42.039 or an aluminium base in order to improve heat dissipation of the led strip.

Waterproof terminal blocks must be placed on the cable ends to avoid humidity and therefore possible malfunctions in the installation.



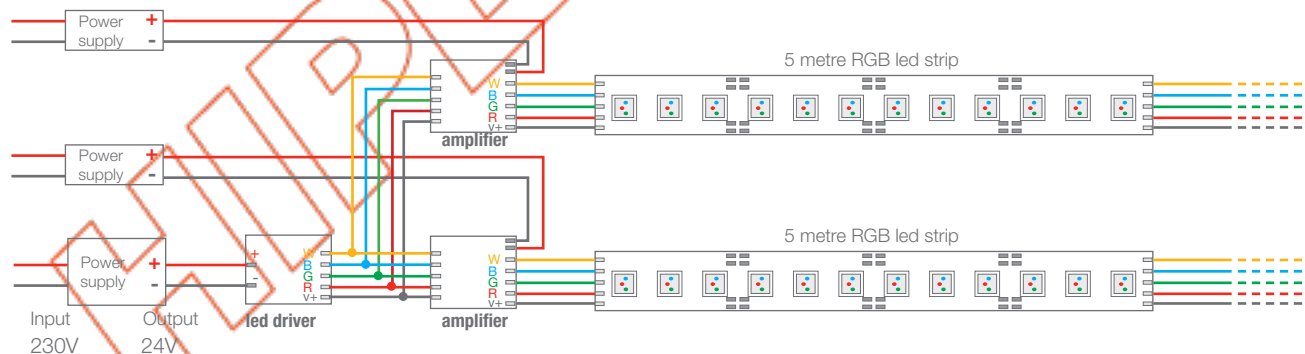
## Installation diagram for RGBW “4 channels” with amplifiers

For large installations we must use amplifiers ref: 41.020, and therefore we do not lose luminosity.

The power supply must always be greater than our electrical consumption and we recommend a safety margin of between 15% and 20%.

We recommend the use of thermal tape, ref: 42.039 or an aluminium base in order to increase heat dissipation of the led strip.

Waterproof terminal blocks must be placed on the cable ends to avoid humidity and therefore possible malfunctions in the installation.





## Interior lighting basic guide

When it comes to studying a project, the lighting is of utmost importance and, as there are many different options and points of light in interior projects, we must have a CRI (colour rendering index) in order to guarantee a favourable visual environment.

There are 3 fundamental aspects which we must take into consideration before choosing a product:

**Visual comfort:** We must always consider the well-being of the people in the area and if related to a work space, this indirectly leads to higher levels of productivity. The luminance relation between task and environment or glare control provoked by the lighting, are important aspects to take into account.



**Visual benefits:** This is where we are capable of carrying out visual tasks even under difficult circumstances and during long periods of time.

**Safety:** Depending on the surrounding environment and the professional activity which we are carrying out, we must follow the parametre established in the tables below (according to UNE 12464.1 by the European Committee for Standardisation and under Directive 2002/91/CE) relating to the energy efficiency of the buildings. This is obligatory in countries which form the European Union.

We require a CRI >80 in the scale of 0 to 100 in order to illuminate spaces where we are to remain a long period of time or permanently, and not just “passing through” areas like corridors, aisles, etc.

The required values are reflected on the basic tables and specific guidelines which determine the statistical values and this is fundamental when it comes to choosing the most adequate products for the execution of the final project.

### Lighting in different areas according to UNE – EN 12464.1

OFFICES	LUX	UGRL	Ra (CRI)
Archives, photocopying rooms	300	19	80
Meeting rooms	500	19	80
Work stations “computers”	500	19	80
Draftsmen	750	19	80
Receptions	300	22	80
Reading rooms	500	19	80

Reading room	LUX	UGRL	Ra (CRI)
Hotels - restaurants	-	-	80
Dining rooms	500	19	80
Corridors	100	25	80
Kitchens	500	25	80
Reception areas	300	22	80
Self-service restaurants	200	22	80

LIBRARIES	LUX	UGRL	Ra (CRI)
Shelves	200	19	80
Reading areas	500	19	80
Customer services posts	500	19	80

PUBLIC PARKING	LUX	UGRL	Ra (CRI)
Parking areas (interior)	75	-	80
Access ramps or exits (night)	75	25	80
Access ramps or exits (day)	75	25	80
Internal parking lines	75	25	80
Cashier booths	300	19	80

CONCERT HALLS, THEATRES	LUX	UGRL	Ra (CRI)
Rehearsal rooms	300	22	80
Dressing rooms	300	22	80
Cinemas	300	22	80

## Illumination areas. UNE - EN 12464.1

RETAILER	LUX	UGRL	Ra (CRI)
Sales areas	300	19	80
Cash management areas	500	19	80
Packing table spaces	500	19	80

TRANSIENT AREAS	LUX	UGRL	Ra (CRI)
Halls	100	22	80
Wardrobes	200	25	80
Living rooms	200	22	80
Ticket offices	300	22	80

FAIRS, EXHIBITIONS	LUX	UGRL	Ra (CRI)
Global lighting	300	22	80

ELECTRIC POWER INDUSTRY	LUX	UGRL	Ra (CRI)
Cable production, large coils	300	25	80
Small cable coils	750	19	80
Electronic workshop	1500	16	80
High precision assemblies	1000	16	80
Thin-sized assemblies (phone devices)	750	19	80
Thick-sized assemblies (power supplies)	300	25	80
Medium-sized (counting devices)	500	22	80

FOOD INDUSTRY	LUX	UGRL	Ra (CRI)
Fruit cutting and sorting procedures	300	25	80
Vegetable cutting and sorting procedures	300	25	80
Breweries	300	25	80
Beer factories	200	25	80
Cooking and baking areas	200	25	80
Facilities for the washing of food	300	25	80
Abattoirs	500	25	80

MUSEUMS	Observations
Exhibition halls for the display of art in general	The kind of illumination will always be defined by the display requirements of the art works

AIRPORTS	LUX	UGRL	Ra (CRI)
Luggage lockers service area for passengers	200	25	80
Access control and security inspection areas	300	19	80
Air traffic control towers	500	16	80
Escalators	150	22	80
Information desks	500	19	80
Check-in areas	500	19	80
Band conveyors	150	22	80
Holding areas	200	22	80

STATIONS	LUX	UGRL	Ra (CRI)
Passenger waiting areas	200	22	40
Access control and security areas	300	19	80
Hall and luggage lockers service areas	200	28	40
Ticket sale offices	300	19	80
Luggage	300	19	40

INDUSTRIAL BAKERY	LUX	UGRL	Ra (CRI)
Bread-making ovens	300	22	80
Baking finishing process	500	22	80

HAIRDRESSERS	LUX	UGRL	Ra (CRI)
Beauty salons	500	19	90

JEWELLERY	LUX	UGRL	Ra (CRI)
Jewellery activities	1000	16	90
Watchmaking (manual set up)	1500	16	90
Watchmaking (automatic set up)	500	19	80
Gemstones workmanship	1500	16	90

# Protection Degrees

## Ingress Protection (IP)

### Level of protection

The Ingress Protection is an international classifying system which indicates the sealing effectiveness against humidity, dust, etc. of the electric equipment, in accordance with the Regulation IEC60529 from the International Electrotechnical Commission.

This classifying system combines the letters IP followed by two or three numbers. The letter "X" is used only when there is a type of protection against humidity. The first number defines the protection against solid materials. The second number defines the protection against liquid materials.

### First digit - protection against solid objects

0. No protection.
1. Ingress of solid object diameter 50mm is protected.
2. Ingress of solid object diameter 12.5mm is protected.
3. Ingress of solid object diameter 2.5mm is totally protected.
4. Ingress of solid object diameter 1.0mm is totally protected.
5. Protected against harmful dust.
6. Totally protected against dust.

### Second digit - protection against liquid objects

0. No protection.
1. Protection against water drips.
2. Protection against water drips. (vertically inclined 15°).
3. Protection against water spray (vertically inclined up to 60°).
4. Protection from water splashes.
5. Protection from water jets.
6. Protection from strong water jets.
7. Protection from temporary immersion (at 1m depth and maximum of 60min).
8. Protection from constant immersion (at more than 1m depth and can normally remain under water).

## Impact Protection (IK)

### Level of protection against IMPACTS

It is a European regulation, equivalent to the international regulation IEC 62262 and which concerns the different levels of protection against potential impacts inflicted on the electrical devices by a foreign body.

Prior to officially using the IK, a third number was added occasionally to the IP code in order to define the level of protection against impacts -for example, IP66 (9). The non official use of this system motivated the development of its standard rating code. The code appears separately from the other two numbers (already official), therefore making it appear different from them. The unit of measurement is "Joules".

Definition of "Joules": it is a unit of measurement included in the International System and applied when measuring energy, work and heat. As a work unit of measurement, "Joule" is equal to the quantity of work carried out by a continuous force of one "Newton" throughout a distance of 1metre, while also having the same direction of the force.

### Protection degree against impacts "IK"

- IK00: No protection  
IK01: Protection against impact of 0.14 Joules (0.25Kg and distance of 56mm)  
IK02: Protection against impact of 0.2 Joules (0.25Kg and distance of 80mm)  
IK03: Protection against impact of 0.35 Joules (0.25Kg and distance of 140mm)  
IK04: Protection against impact of 0.5 Joules (0.25Kg and distance of 200mm)  
IK05: Protection against impact of 0.7 Joules (0.25Kg and distance of 280mm)  
IK06: Protection against impact of 1 Joules (0.25Kg and distance of 400mm)  
IK07: Protection against impact of 2 Joules (0.5Kg and distance of 400mm)  
IK08: Protection against impact of 5 Joules (1.7Kg and distance of 300mm)  
IK09: Protection against impact of 10 Joules (5Kg and distance of 200mm)  
IK10: Protection against impact of 20 Joules (5Kg and distance of 40mm)

Which things must be taken into account when illuminating bathrooms and other areas with high ratings of humidity?

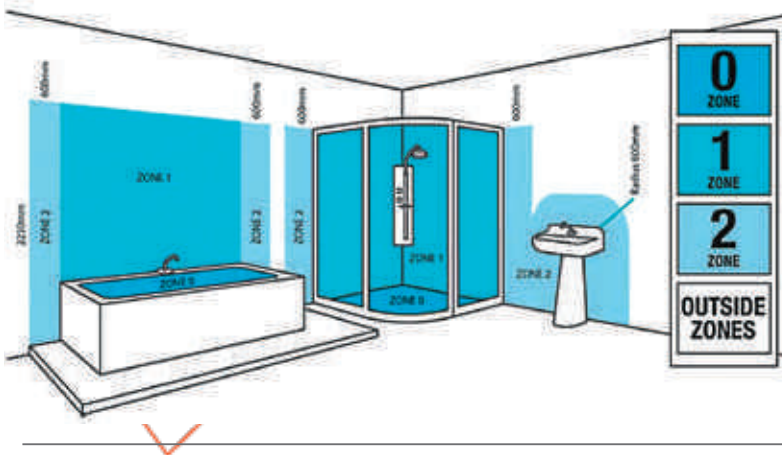
**When choosing a bathroom illumination, it is not only a question of style, but also how the lighting will fit in with the original design. Two very important issues are to be considered: the safety during the installation and choosing the correct product for the specific application.**

**ZONE 0.-** Inside baths or showers. All kinds of illumination within these areas must be of low power and have an IP68 protection rating.

**ZONE 1.-** Above baths or showers, but not higher than 2.25m, all kinds of illumination installed within these areas must have an IP44 protection rating. This IP is appropriate on baths where there is no shower head above the bath. If there is no shower head or movable shower system, then we require an IP65 protection.

**ZONE 2.-** This refers to areas outside ZONE 1 and at 60cm distance/radius from the sink. All illumination within this zone must be within IP44. If there is a risk of splashing water, then an IP65 protection rating is required.

Outside the above mentioned areas, any IP rating can be used for lighting purposes. All electric products to be placed in a bathroom, must be installed by a professional.





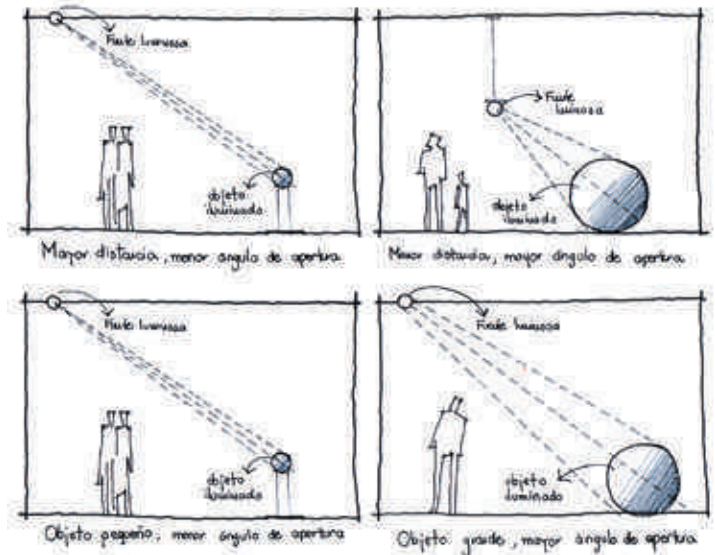
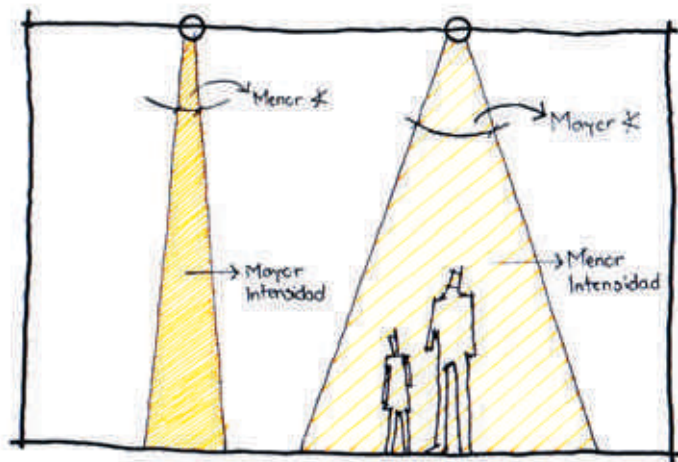
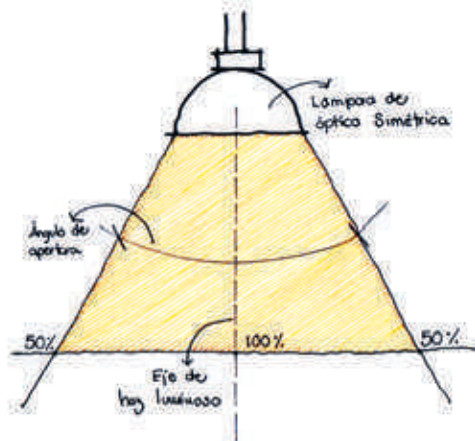
# Basic lighting concepts

## The angle of light emission of a luminaire: how does it affect us?

The amount of light reaching an object by means of a lamp reflector depends on the opening angle. Also, the object stands out against its surroundings when it receives greater quantities of light.

There are two attributes which help us choose an opening angle: the size of the object which we intend to illuminate and its distance from the light source.

The bigger the size of the object to be illuminated, the wider the opening angle required. On the other hand, the greater the object's distance from the light source, the narrower the opening angle needed for illuminating it.



The opening angles are always defined by whole numbers. When a value of an opening angle is ranged between  $13^\circ$  and  $50^\circ$ , we round the number up to express it as multiples of 5, for example:

$22^\circ$  must be rounded down to  $20^\circ$ . For angle values greater than  $50^\circ$ , the rounding is carried out to express the numbers as multiples of 10.

It is also important to consider the possibility of two lamps of the same type, with both having the same power but different opening angles. The lamp with a wider opening angle will illuminate an object with less light intensity when compared to the lamp with a narrower opening angle.

We must take into consideration the global energy savings stemming from using light efficiently; when we optimise the use of light we avoid light saturation (flat images) and therefore we gain a more realistic perception of the true volume of objects.



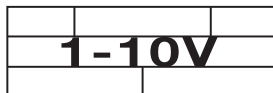
## **DALI / Digital Addressable Lighting Interface**

Is a two-way standard interface where the information is transmitted from the controller to the lighting equipment which carry out all commands and information requests received.

This system allows us to accomplish an appropriate management of the architectural illumination. It can be incorporated as a subsystem into current protocols regarding building control systems.

It enables the creation of up to 16 different settings for the total control of the building. It also emits alerts regarding malfunctions of the luminaires, giving us total control of the installation. This means we are aware at all times of any potential problems.

The transmission of digital signals is made by means of a two-wired control line (bus), where there is a data transmission rate of 1.2 Kb/s. The DALI system has a logarithmic curve which is adjustable to the sensitivity of the human eye, defined by the international regulation IEC 62386. Additionally, the compatibility with different brand models of ballasts is also covered by this international regulation.



## **Intensity adjustments 1-10V**

This adjusting system is based on the variation of the continuous current of electricity which, allows us to modify the levels of light emission from 1 to 100 % via an analogical signal.

Therefore, light emissions which are being controlled have scaled output ratings, with 10V being the value corresponding to a 100% light intensity and 0V the lowest level of light intensity.

This system permits us to dim the levels of light emission. An ON/OFF switch is found in the power supply line. As this is an analogic product, it cannot be consequently modified via software, meaning that the group setting must be carried out through cables instead.

## **DMX** DIGITAL MULTIPLEX

### **DMX512 Program Code**

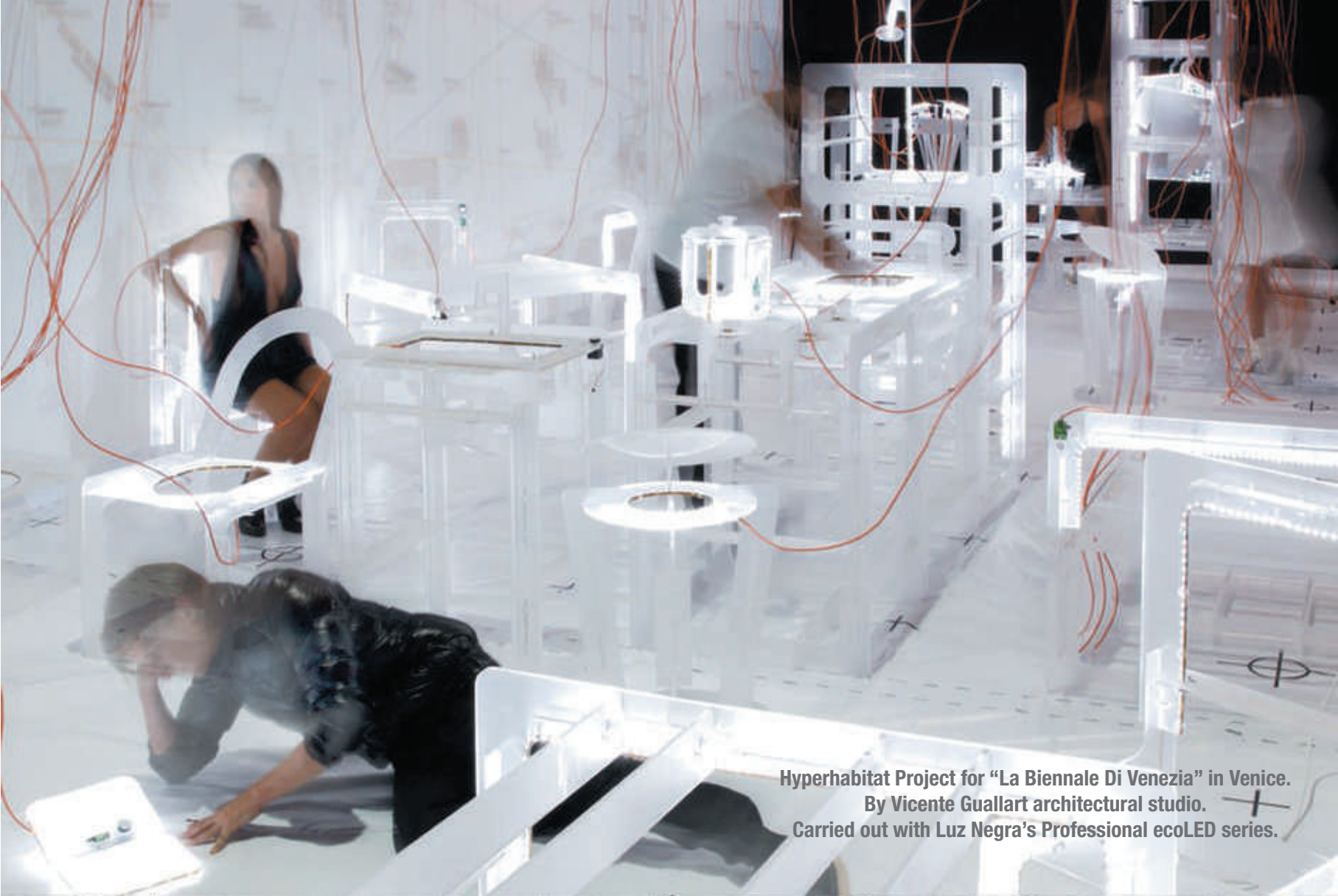
DMX (digital Multiplex) is an electronic protocol used in lighting engineering for monitoring and controlling the illumination of closed or limited spaces. It also used in architectural lighting applications, where we require multimedia on building facades.

The DMX512 uses channels for the command transmissions to the different equipment installed. The transfer of information is carried out via 3 or 5 pin wires, with a data transmission rate greater than 250 Kb/s. Since signals are not bidirectional (like DALI system) we cannot verify any of the commands as they are not sent back to any screen.

In order to prevent any potential interference during transmission, all DMX512 wires must be kept apart from the rest of electric cables and signal repeaters.

The DMX holds a limited quantity of 512 channels. Each channel controls a specific parametre or special effect, which can be controlled with software (PC) or with a mixing console. What's more, this can be linked up between devices by means of a splitter or a cascade formation.





Hyperhabitat Project for “La Biennale Di Venezia” in Venice.  
By Vicente Gullart architectural studio.  
Carried out with Luz Negra’s Professional ecoLED series.







In 2020 in our Barcelona facilities, we have completed the building of a factory which is totally dedicated to the manufacturing of luminaires and lighting kits in mass production.

Our new luminaire division is totally free of static electricity and the environment is dust/moisture free. We also have working surface areas which eliminate static electricity and also some equipment which releases any static electricity before entering. All of our operators work with special bracelets to free static electricity.

With these new facilities we are much more prepared for larger productions and above all for complying with the strictest quality controls.

Once the luminaires are manufactured they pass the necessary quality controls in our laboratory and the corresponding photometric measurements are generated and converted into IES files.

# skyled

• Made to measure kits	355
• Made to measure neons	358
• Luminaires (standard sizes)	360
• Luminaires (made to measure)	378
• Skyled <b>Channel</b>	386
• Soft Line	398
• Saturno	400
• Shinka <b>Onelight</b>	410
• Digital luminaires	414

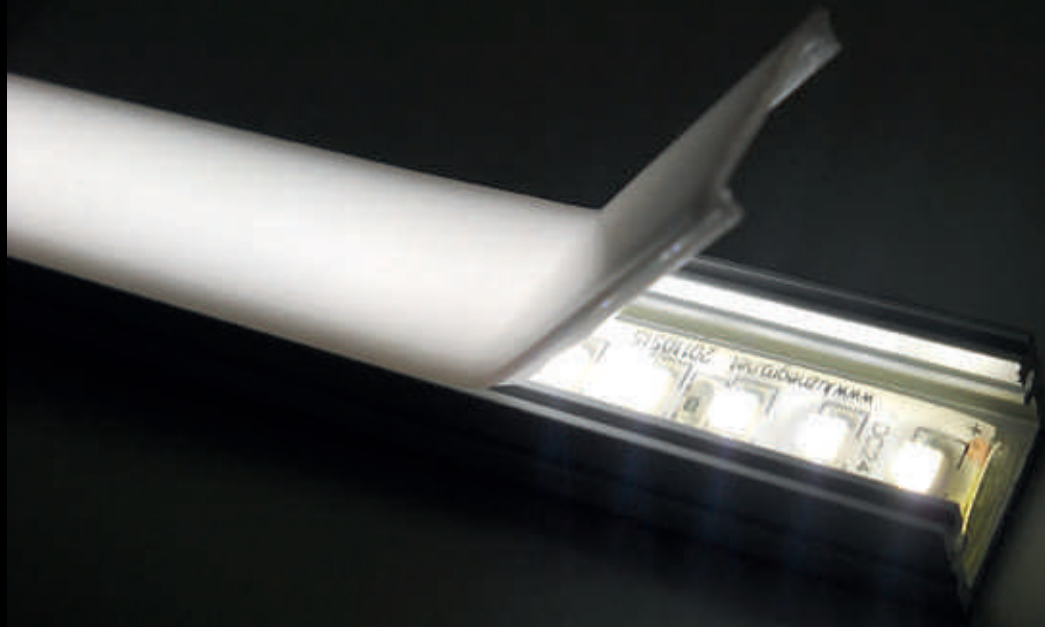


Dublin Led Profile with ecoled flexible strip  
Photographs courtesy of Nupami group





# Made to measure kits



Innovation

made  
in  
Spain

You choose:

1. The profile and its length
2. Led (model, power, etc.)
3. Accessories (sensors, switches, hangers, etc.)  
and we will prepare it for you, all ready to be plugged in

This is a totally personalised and made to measure service.

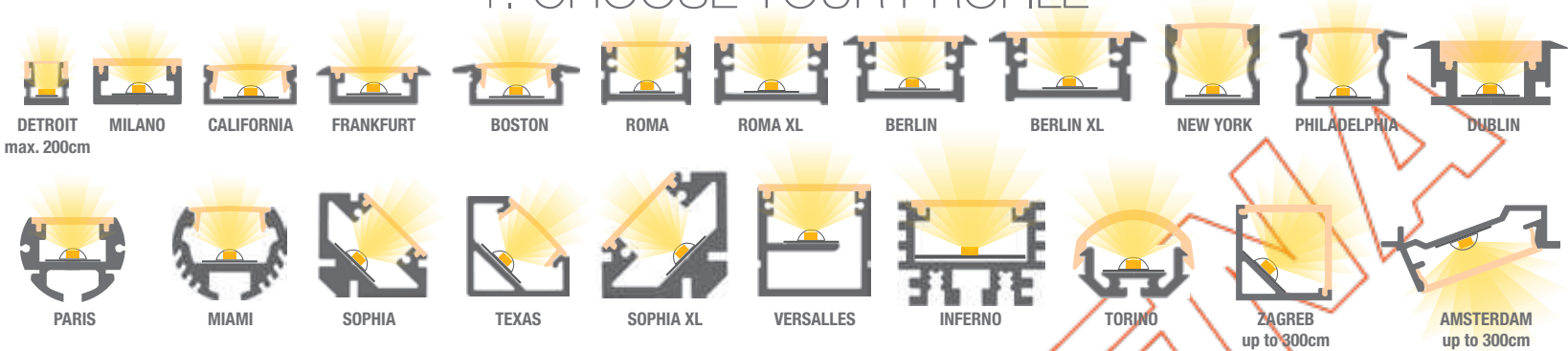
The kit includes the profile, the led, a choice of covers along with clips, endcaps and power supply with a soldered 2m cable.

Optional items include sensors, 45° angle cuts, resin encapsulation, etc. We can offer up to 6m in one single piece without any joints.

The RGB, RGB+W or WW+CW include their controllers and amplifiers. Special prices for large quantities.



1. CHOOSE YOUR PROFILE



2. CHOOSE YOUR LED

TYPE OF FLEXIBLE ecoled STRIP	SERIES	POWER	LUMENS	VOLTAGE	COLOUR (°KELVIN)	LEDS/m	WATERPROOFING	CUT SIZE (FLEXIBLE STRIP)
IBIZA	PRO	4.8W/m	480 Lm / 6300°K	12V	6300 4000 2800	60	IP67 "DUO"	50mm
RUBI	BASIC	4.8W/m	400 Lm / 6000°K	12V	6000 2800	60	IP65	50mm
VIZCAYA	PRO	10W/m	1100 Lm / 6500°K	24V	6500 4000 3000 2800	144	IP67 "DUO"	42mm
TOPACIO	BASIC	11.5W/m	864 Lm / 7800°K	12V	6000 2800	144	IP20	20mm
CASTELLON	PRO	12.8W/m	1327 Lm / 6000°K	48V	6000 4000 2800	150	IP20	100mm
ELITE 5, 10, 15*, 20	ELITE	15W/m	1920 Lm / 6500°K	24V	6500 4000 3000 2700 2400 2100	140	IP20	50mm
AGATA RGB	BASIC	14.4W/m	350 Lm / white	12V	RGB	60	IP65	50mm
ZAFIRO	BASIC	15W/m	1300 Lm / 7800°K	24V	7800 4000 2800	60	IP65	100mm
HIERRO	PREMIUM	16W/m	1850 Lm / 4200°K	24V	4200 3200 2850	126	IP20	55.5mm
AVILA	PRO	12W/m	1100 Lm / 5000°K	12V	6000 4400 3000	60	IP54	50mm
ESMERALDA RGB	BASIC	7.2W/m	250 Lm / white	12V	RGB	30	IP65	100mm
GOMERA	PREMIUM	21W/m	2450 Lm / 4200°K	24V	4200 3200 2850	238	IP20	29.4mm
INFINITY	230V	14W/m	1600 Lm / 6500°K	230V	6500 4500 3000 2700	140	IP67	100mm
LANZAROTE	PREMIUM	18W/m	2100 Lm / 4200°K	24V	4200 3200 2850	196	IP20	35.7mm
GERONA RGB	PRO	28.8W/m	800 Lm / white	24V	RGB	120	IP20	50mm
MARBELLA RGBW	PRO	18.4W/m	800 Lm / white	24V	RGB + W 3000	60	IP20	100mm
NERJA	PRO	19.2W/m	1500 Lm / 5500°K	24V	6000 2800	120	IP20	50mm
CANOVELLES	PRO	19.2W/m	1600 Lm / 6500°K	24V	6500 4000 3000	240	IP67 "DUO"	25mm
BARCELONA	PRO	19.2W/m	1600 Lm / 6500°K	12V	6500 4000 3000	240	IP20	12.5mm
GRANADA	PRO	21W/m	3150 Lm / 6500°K	24V	6500 4000 2700	128	IP20	62.5mm

\* The temperatures reflected on the led will vary once we apply the profile and cover.  
In the case of the flexible strips with IP20, the colour temperature can vary in ±200°Kelvin. In strips with IP65 and IP67, the colour temperature may vary in ±400°Kelvin.

\* The colour temperatures 2700°K-2400°K-2100°K correspond to Elite 15



Plugins available for DIALux and RELUX.

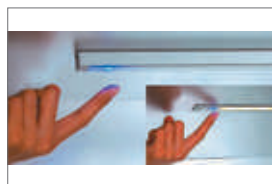
### 3. CHOOSE YOUR ACCESSORIES (at extra charge)



Resin



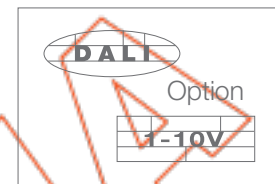
45° angle cut



Tactile switch or internal sensor



Hanging KIT



#### Profile + cover + endcaps + brackets + ecoled + power supply

KIT size: ecoled model	31-60 cm	61-90 cm	91-130 cm	131-170 cm	171-210 cm	211-250 cm	251-290 cm	291-330 cm	331-370 cm	371-410 cm	411-450 cm	451-500 cm	501-550 cm	551-600 cm
IBIZA	30.017	30.018	30.019	30.020	30.021	30.022	30.023	30.024	30.025	30.026	30.027	30.028	30.029	30.030
RUBI	30.031	30.032	30.033	30.034	30.035	30.036	30.037	30.038	30.039	30.040	30.041	30.042	30.043	30.044
VIZCAYA	33.039	33.040	33.041	33.042	33.043	33.044	33.045	33.046	33.047	33.048	33.049	33.050	33.051	33.052
TOPACIO	30.045	30.046	30.047	30.048	30.049	30.050	30.051	30.052	30.053	30.054	30.055	30.056	30.057	30.058
CASTELLON	33.053	33.054	33.055	33.056	33.057	33.058	33.059	33.060	33.061	33.062	33.063	33.064	33.065	33.066
ELITE 5	31.024	31.025	31.026	31.027	31.028	31.029	31.030	31.031	31.032	31.033	31.034	31.035	31.036	31.037
ELITE 10	31.038	31.039	31.040	31.041	31.042	31.043	31.044	31.045	31.046	31.047	31.048	31.049	31.050	31.051
ELITE 15	31.052	31.053	31.054	31.055	31.056	31.057	31.058	31.059	31.060	31.061	31.062	31.063	31.064	31.065
ELITE 20	31.066	31.067	31.068	31.069	31.070	31.071	31.072	31.073	31.074	31.075	31.076	31.077	31.078	31.079
AGATA "RGB"	30.059	30.060	30.061	30.062	30.063	30.064	30.065	30.066	30.067	30.068	30.069	30.070	30.071	30.072
ZAFIRO	31.080	31.081	31.082	31.083	31.084	31.085	31.086	31.087	31.088	31.089	31.090	31.091	31.092	31.093
HIERRO	33.067	33.068	33.069	33.070	33.071	33.072	33.073	33.074	33.075	33.076	33.077	33.078	33.079	33.080
AVILA 12V	32.029	32.030	32.031	32.032	32.033	32.034	32.035	32.036	32.037	32.038	32.039	32.040	32.041	32.042
ESMERALDA RGB	30.073	30.074	30.075	30.076	30.077	30.078	30.079	30.080	30.081	30.082	30.083	30.084	30.085	30.086
GOMERA	33.081	33.082	33.083	33.084	33.085	33.086	33.087	33.088	33.089	33.090	33.091	33.092	33.093	33.094
INFINITY	34.017	34.018	34.019	34.020	34.021	34.022	34.023	34.024	34.025	34.026	34.027	34.028	34.029	34.030
LANZAROTE	33.095	33.096	33.097	33.098	33.099	33.100	33.101	33.102	33.103	33.104	33.105	33.106	33.107	33.108
GERONA	33.109	33.110	33.111	33.112	33.113	33.114	33.115	33.116	33.117	33.118	33.119	33.120	33.121	33.122
MARBELLA	33.123	33.124	33.125	33.126	33.127	33.128	33.129	33.130	33.131	33.132	33.133	33.134	33.135	33.136
NERJA	33.137	33.138	33.139	33.140	33.141	33.142	33.143	33.144	33.145	33.146	33.147	33.148	33.149	33.150
CANOVELLES	33.151	33.152	33.153	33.154	33.155	33.156	33.157	33.158	33.159	33.160	33.161	33.162	33.163	33.164
BARCELONA	32.043	32.044	32.045	32.046	32.047	32.048	32.049	32.050	32.051	32.052	32.053	32.054	32.055	32.056
GRANADA	33.165	33.166	33.167	33.168	33.169	33.170	33.171	33.172	33.173	33.174	33.175	33.176	33.177	33.178

\* See information about flexible led strips.

\* ecoled INFINITY 230V: check profiles where this led strip can be placed.

\* Made to measure kits with ecoled RGB led strip Esmeralda, Agata, Gerona and Marbella are offered with 41.049 controller or similar.

\* Made to measure kits with ecoled Nerja are offered with 41.066 controller or similar.

\* Other accessories: extra elements to be added to the price shown on the table.





Made to measure neons



Flexible silicone profiles suitable for indoor/outdoor use. They offer an IP67 waterproofing and UV protection, making them ideal also for outdoor applications. Each finished module includes endcaps ,  
\*fixing clips and an electric cable of 2m.

Module length up to		0.5m	1m	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m	+5m
 Micro	With power supply	10.011	10.012	10.013	10.014	10.015	10.016	10.017	10.018	10.019	10.020	-
	Without power supply	10.022	10.023	10.024	10.025	10.026	10.027	10.028	10.029	10.030	10.031	-
 Mini	With power supply	10.033	10.034	10.035	10.036	10.037	10.038	10.039	10.040	10.041	10.042	-
	Without power supply	10.044	10.045	10.046	10.047	10.048	10.049	10.050	10.051	10.052	10.053	-
 Redondo	With power supply	10.077	10.078	10.079	10.080	10.081	10.082	10.083	10.084	10.085	10.086	-
	Without power supply	10.088	10.089	10.090	10.091	10.092	10.093	10.094	10.095	10.096	10.097	-
 Cuadrado	With power supply	10.055	10.056	10.057	10.058	10.059	10.060	10.061	10.062	10.063	10.064	-
	Without power supply	10.066	10.067	10.068	10.069	10.070	10.071	10.072	10.073	10.074	10.075	-
 XL	With power supply	10.099	10.100	10.101	10.102	10.103	10.104	10.105	10.106	10.107	10.108	-
	Without power supply	10.110	10.111	10.112	10.113	10.114	10.115	10.116	10.117	10.118	10.119	10.120
 Redondo XL	With power supply	10.187	10.188	10.189	10.190	10.191	10.192	10.193	10.194	10.195	10.196	-
	Without power supply	10.198	10.199	10.200	10.201	10.202	10.203	10.204	10.205	10.206	10.207	10.208
 Las Vegas	With power supply	10.121	10.122	10.123	10.124	10.125	10.126	10.127	10.128	10.129	10.130	-
	Without power supply	10.132	10.133	10.134	10.135	10.136	10.137	10.138	10.139	10.140	10.141	10.142
 Doble (Double Led)	With power supply	10.165	10.166	10.167	10.168	10.169	10.170	10.171	10.172	10.173	10.174	-
	Without power supply	10.176	10.177	10.178	10.179	10.180	10.181	10.182	10.183	10.184	10.185	10.186
 Las Vegas XL	With power supply	10.143	10.144	10.145	10.146	10.147	10.148	10.149	10.150	10.151	10.152	-
	Without power supply	10.154	10.155	10.156	10.157	10.158	10.159	10.160	10.161	10.162	10.163	10.164

Comments

**Neón Micro, Mini, Redondo and Cuadrado:**

Cies ecoled with a power of 12W/m, available in cold, neutral or warm white, red, green, blue and pink.

**Neón, Doble, Las Vegas and Las Vegas XL:**

Elite ecoled 15 with a power of 15W/m, available in cold, neutral and warm white, and also in pink. Alicante ecoled RGB (price does not include sequencer and amplifiers).

Maximum size in one length

**Neón Micro, Mini, Redondo and Cuadrado:**

With electric feed from one end: maximum 3 metres. With electric feed from two ends: Maximum 5 metres.

**Neón, Doble, Las Vegas and Las Vegas XL:**

Elite ecoled 15 with a power of 15W/m, electric feed from one end: maximum 5 metres; from two ends: maximum 10 metres.

\*The Micro model can be used with or without endcaps, as we can always seal the ends with silicone. This neon is ideal for use in publicity and for creating small letters and texts (we find this more attractive without endcaps).

skyled  
standard sizes





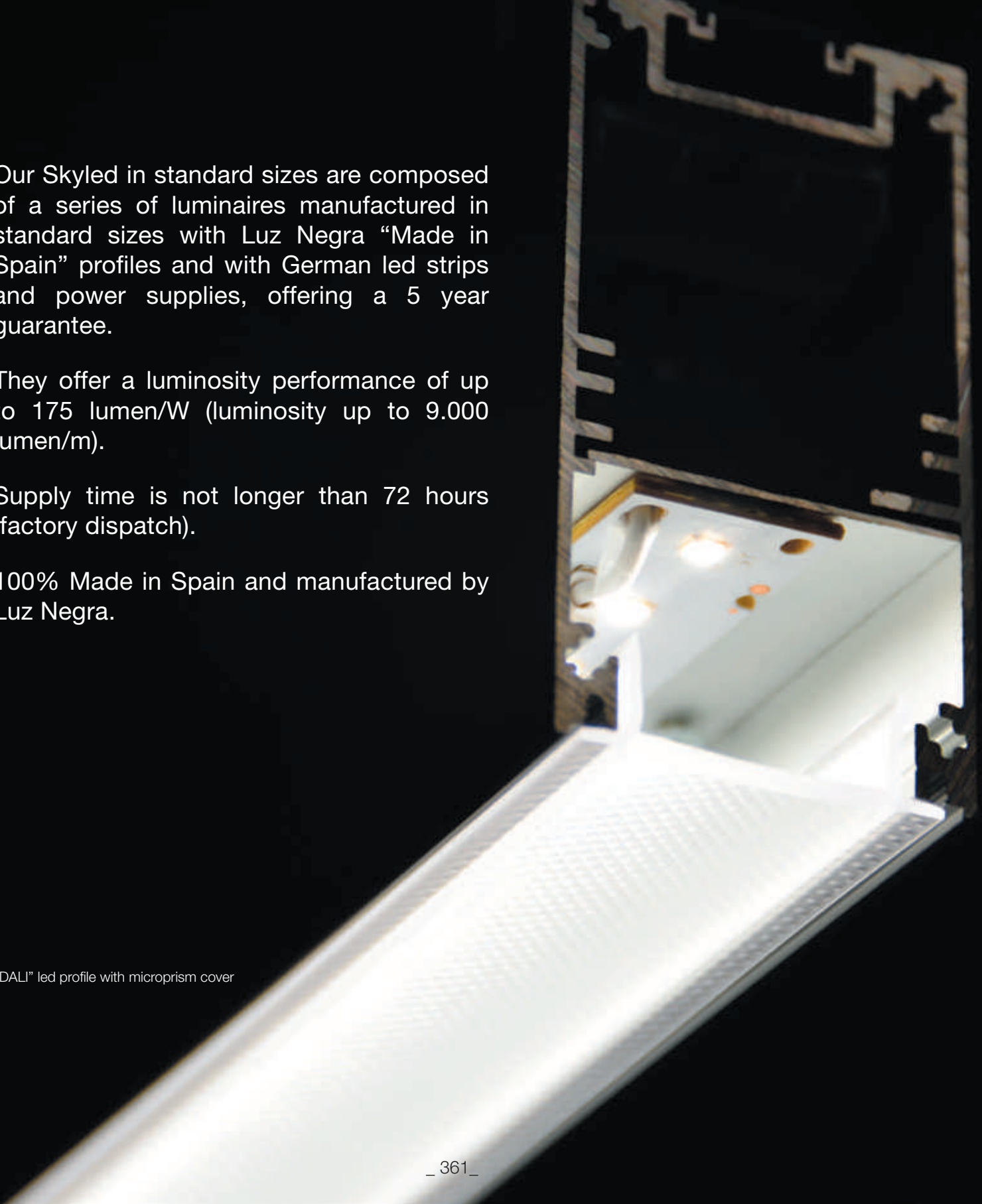
Our Skyled in standard sizes are composed of a series of luminaires manufactured in standard sizes with Luz Negra “Made in Spain” profiles and with German led strips and power supplies, offering a 5 year guarantee.

They offer a luminosity performance of up to 175 lumen/W (luminosity up to 9.000 lumen/m).

Supply time is not longer than 72 hours (factory dispatch).

100% Made in Spain and manufactured by Luz Negra.

“DALI” led profile with microprism cover



# Hanging luminaires

skyled by Luz Negra

TAPIES model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

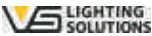
We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.
- Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.001	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.002	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.003	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.004	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.005	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	External

\* (Lm) the data reflected in the table can vary according to manufacturing.

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



European Patent  
N°.: 13156605.1

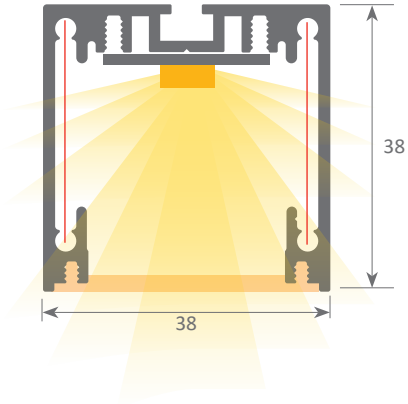
Innovation



## TAPIES



IP65  
"easy-ON" cover



\* See big profile Múnich Mini, page 192

Recessing luminaires

skyled by Luz Negra

SOROLLA model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

SOROLLA



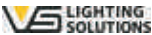
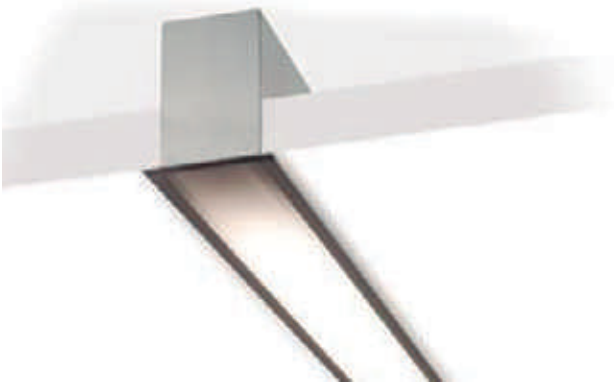
IP65  
"easy-ON" cover



- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
84.001	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
84.002	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
84.003	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
84.004	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
84.005	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	External

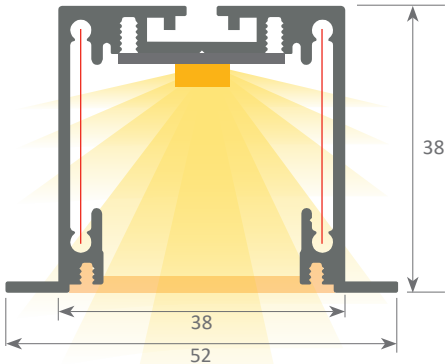
\* (Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



European Patent  
Nº.: 13156605.1



\* See big profile Moscú Mini, page 214



Hanging luminaires

skyled by Luz Negra

DALI model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. Hanger kit included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.026	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.027	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.028	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.029	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.030	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

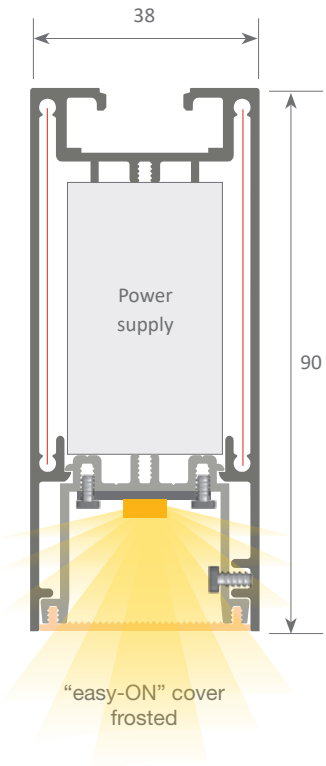
\* (Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



DALI



IP65  
"easy-ON" cover



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



European Patent  
Nº.: 13156605.1

Innovation



\* See big profile Múnich Magnum Slim, page 194

Recessing luminaires

skyled by Luz Negra

FORTUNY model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

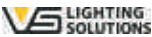
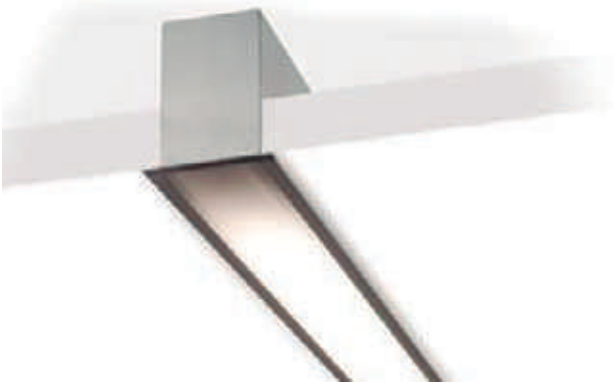
We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
84.015	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.016	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.017	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.018	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.019	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

\*(Lm) the data reflected in the table can vary according to manufacturing.

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



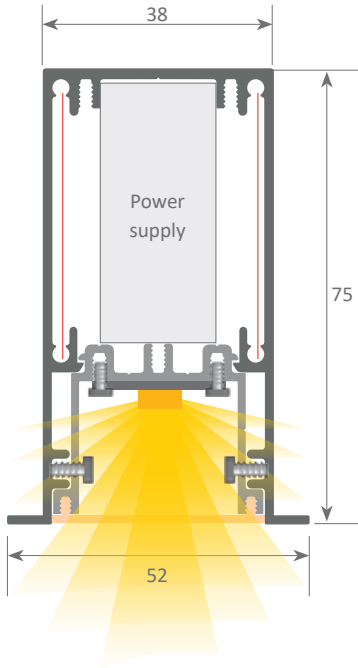
European Patent  
Nº.: 13156605.1



FORTUNY



IP65  
"easy-ON" cover



\* See big profile Moscú Magnum Slim, page 216

Hanging luminaires

skyled by Luz Negra

VELAZQUEZ model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. Hanger kit included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.006	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.007	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.008	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.009	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.010	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

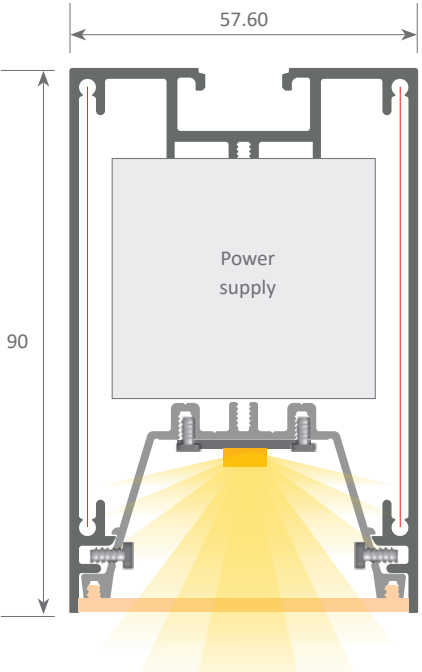
\*(Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



VELAZQUEZ



IP65  
"easy-ON" cover



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



European Patent  
Nº.: 13156605.1  
Innovation  
made in Spain

\* See big profile Múnich Magnum, page 196



Recessing luminaires

skyled by Luz Negra

GOYA model luminaire is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 5 sizes: 58cm, 86cm, 114cm, 142cm and 170cm.

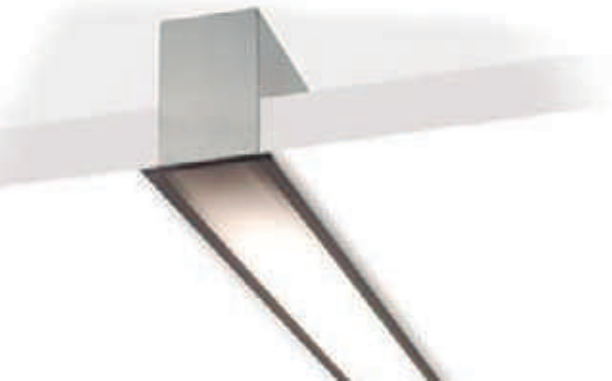
We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
84.006	58cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.007	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.008	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.009	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.010	170cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

\* (Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



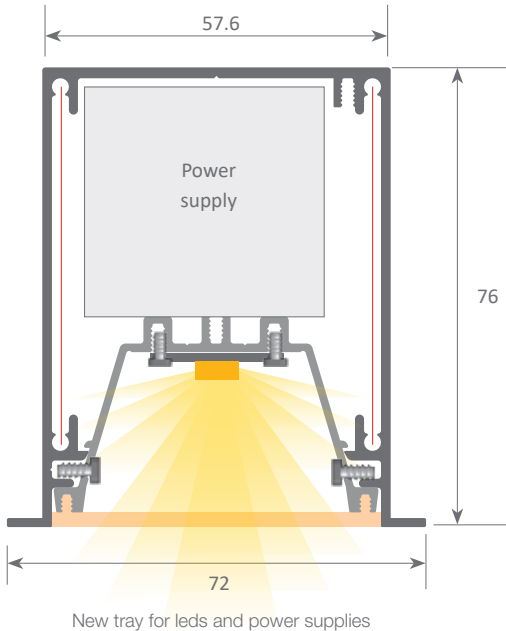
European Patent  
Nº.: 13156605.1



GOYA



IP65  
"easy-ON" cover



\* See big profile Moscú Magnum, page 218

# Hanging luminaires

skyled by Luz Negra

Our led profile PICASSO is manufactured in white or black polycarbonate. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

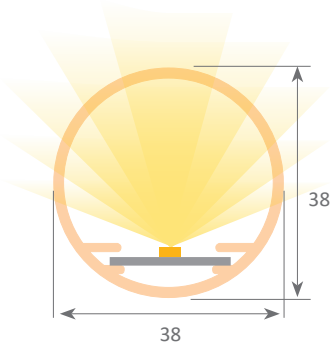
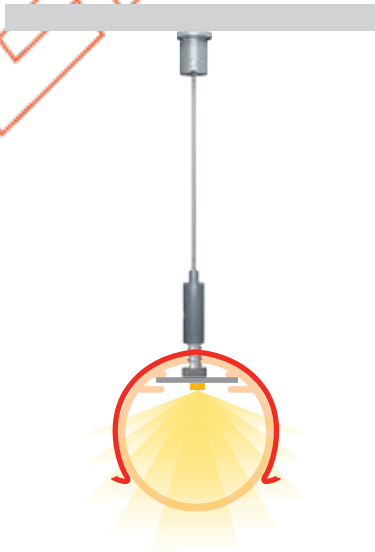
We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 2 year guarantee.

- Polycarbonate profile.  
Granada led strip 21W.

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	POWER SUPPLY
82.041	86cm	18.10W	2580 Lm	2700°K - 4000°K - 6500°K	>85	External
82.042	114cm	23.95W	3420 Lm	2700°K - 4000°K - 6500°K	>85	External
82.043	142cm	29.85W	4260 Lm	2700°K - 4000°K - 6500°K	>85	External
82.044	170cm	35.7W	5100 Lm	2700°K - 4000°K - 6500°K	>85	External

\* (Lm) the data reflected in the table can vary according to manufacturing.



Granada led strip  
(see pages 281)



\* See led profile Oslo, pages 102-103

# Hanging luminaires

skyled by Luz Negra

Our led profile MIRO is manufactured in high purity aluminium and can be silver anodised or textured black. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 2 year guarantee.

- Silver anodised and lacquered textured black.  
Granada led strip 21W.

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	POWER SUPPLY
82.045	86cm	18.10W	2580 Lm	2700°K - 4000°K - 6500°K	>85	External
82.046	114cm	23.95W	3420 Lm	2700°K - 4000°K - 6500°K	>85	External
82.047	142cm	29.85W	4260 Lm	2700°K - 4000°K - 6500°K	>85	External
82.048	170cm	35.7W	5100 Lm	2700°K - 4000°K - 6500°K	>85	External

\* (Lm) the data reflected in the table can vary according to manufacturing.



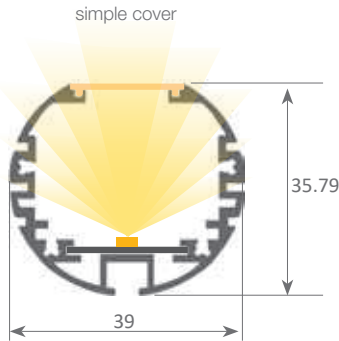
Granada led strip  
(see pages 281)



European Patent  
Nº.: 13156605.1



MIRO



\* See led profile Paris XL, page 100



Our led profile MADRAZO is manufactured in white or black polycarbonate. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

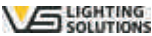
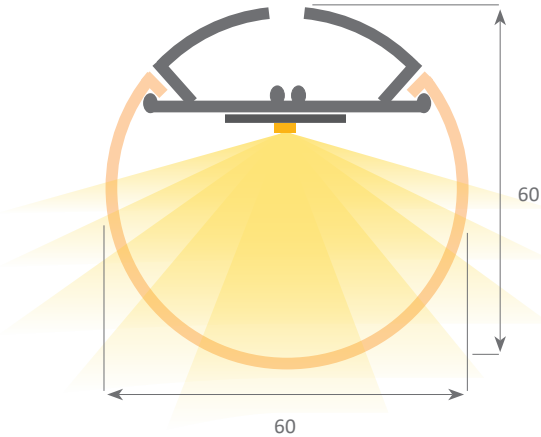
We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- white or black polycarbonate
- Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	POWER SUPPLY
82.049	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	External
82.050	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	External
82.051	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	External
82.052	170cm	76.80W	10368 Lm	3000°K - 4000°K - 5000°K	>85	External

\* (Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



Plugins available



Innovation  
made  
in  
Spain

\* See led profile Houston, page 210

Wall lamp

skyled by Luz Negra

Our led profile EL GRECO is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

This profile can be used with our opal cover which improves glare ("UGR<19"). This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 30cm, 56cm, 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised.
- Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	POWER SUPPLY
83.068	30cm	25.6W	3456 Lm	3000°K - 4000°K - 5000°K	>85	Internal
83.069	58cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	Internal
83.001	86cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	Internal
83.002	114cm	102.4W	13824 Lm	3000°K - 4000°K - 5000°K	>85	Internal
83.003	142cm	128W	17280 Lm	3000°K - 4000°K - 5000°K	>85	Internal
83.004	170cm	153.6W	20736 Lm	3000°K - 4000°K - 5000°K	>85	Internal

- \* (Lm) the data reflected in the table can vary according to manufacturing.
- Please note: the data reflected on the table corresponds to our Washington luminaire (with double led strip).
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



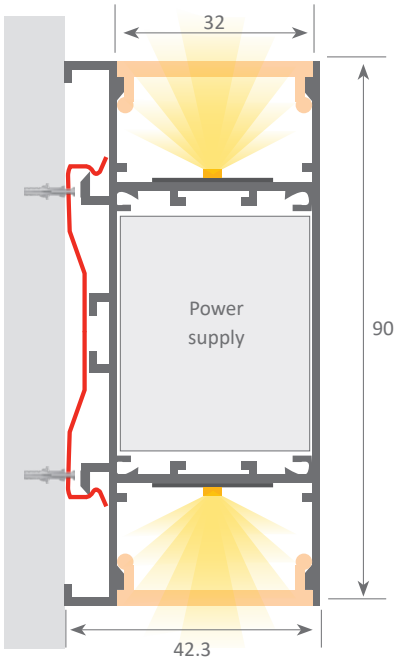
Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



Plugins available



EL GRECO



\* See led profile Washington, page 137

# Hanging luminaires

skyled by Luz Negra

Our led profile MURILLO is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. Hanger kit. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

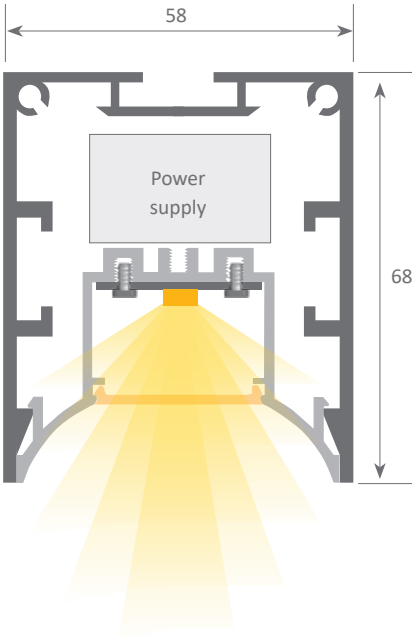
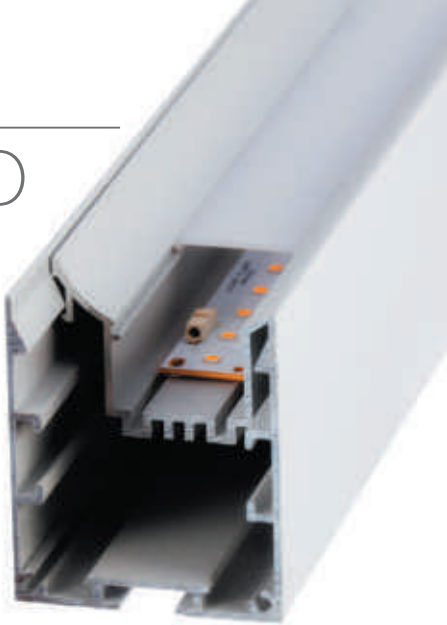
We can manufacture in other sizes, on request (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised, lacquered textured white and lacquered textured black.
- Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.015	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.016	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.017	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.018	170cm	76.80W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

\*(Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



**VS LIGHTING SOLUTIONS**  
**Led and power supply Vossloh-Schwabe**  
(see pages 300 and 312)

**DIALux** **RELUX**  
Plugins available

**CE** Innovation made in Spain

\* See big profile Gales with recessed tray, page 206



# Hanging luminaires

skyled by Luz Negra

Our led profile ZURBARAN is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Its inner tray (were we can find the led and the power supply) can be removed from the front which means easy maintenance. Hanger kit. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes, on request (please consult with our commercial department).

**We offer a 5 year guarantee.**

- Silver anodised, lacquered textured white and lacquered textured black.
- Amperage: 700mA - rigid led strip (20mm wide)

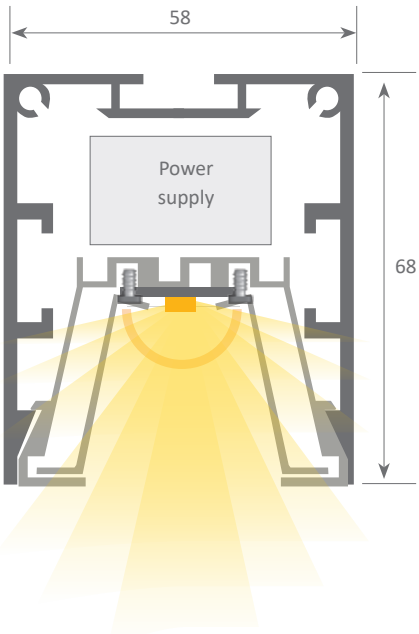
REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.019	86cm	38.4W	5184 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.020	114cm	51.2W	6912 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.021	142cm	64W	8640 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.022	170cm	76.80W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

*\*(Lm) the data reflected in the table can vary according to manufacturing.*

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



## ZURBARAN



Led and power supply Vossloh-Schwabe

(see pages 300 and 312)



Plugins available



Innovation  
made  
in  
Spain

\* See big profile Gales with tray and trellis, page 205

# Hanging luminaires

skyled by Luz Negra

Our led profile ESTANY is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included. This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

We can manufacture in other sizes (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.011	86cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.012	114cm	102.4W	13824 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.013	142cm	128W	17280 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.014	170cm	153.6W	20736 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

\*(Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.

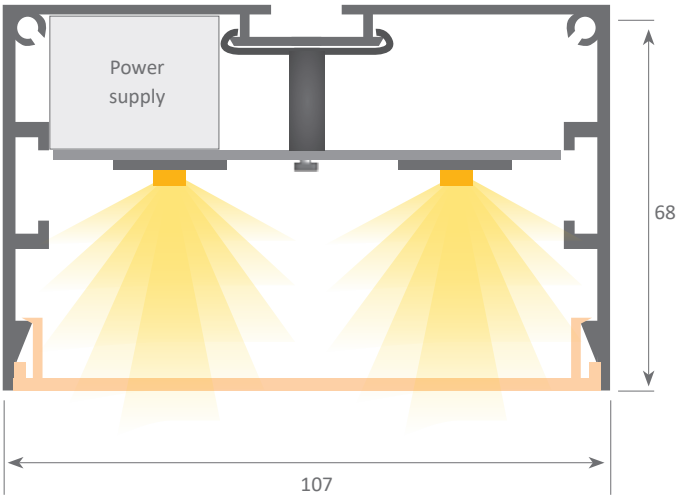


**VS LIGHTING SOLUTIONS**  
**Led and power supply Vossloh-Schwabe**  
(see pages 300 and 312)

**DIALux** **RELUX**  
Plugins available

**CE** Innovation  
made in Spain

ESTANY



\* See big profile Bruselas, page 211

Recessing luminaires

skyled by Luz Negra

Our led profile ARROYO is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

Hanger kit and power supply box included.

This is ideal for work areas, recreation centres or shopping centres.

Manufactured in 4 sizes: 86cm, 114cm, 142cm and 170cm.

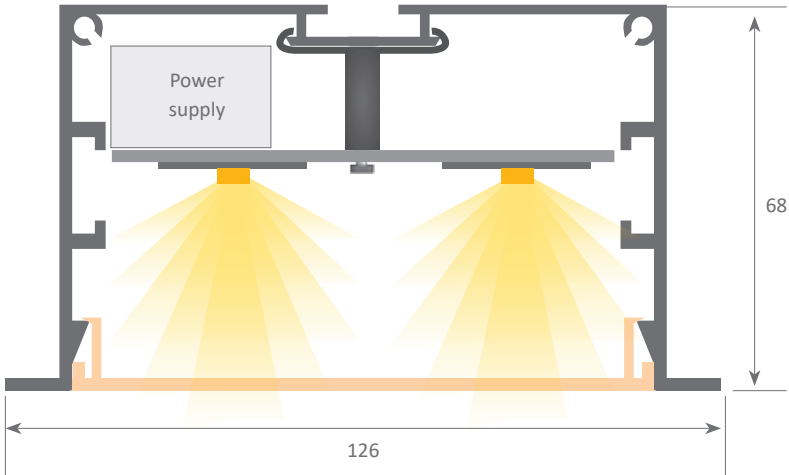
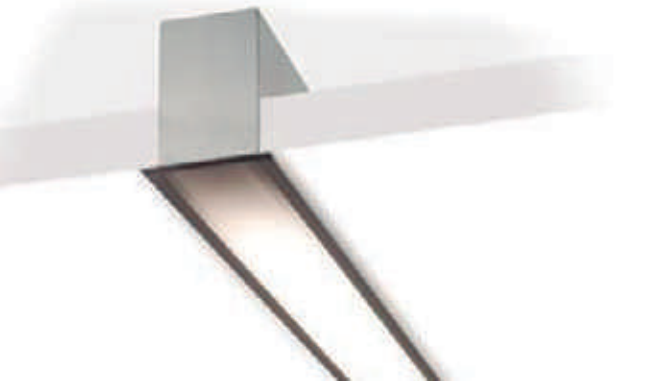
We can manufacture in other sizes (please consult with our commercial department).

We offer a 5 year guarantee.

- Silver anodised.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
84.011	86cm	76.8W	10368 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.012	114cm	102.4W	13824 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.013	142cm	128W	17280 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
84.014	170cm	153.6W	20736 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

\*(Lm) the data reflected in the table can vary according to manufacturing.  
- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



**VS LIGHTING SOLUTIONS**  
Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)

**DIALux** **RELUX**  
Plugins available

**CE** Innovation  
made in Spain

\* See big profile Andorra, page 227



Hanging luminaires

skyled by Luz Negra

Our led profile NARANJO is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

This profile can be used with our transparent micro prism cover which improves glare ("UGR<19"). This is ideal for work areas, recreation centres or shopping centres.

Hanger kit and power supply box included.

We offer a 5 year guarantee.

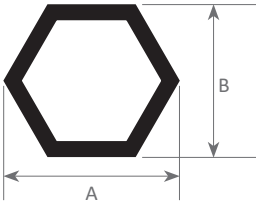
- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)



IP65  
"easy-ON" cover



REFERENCES	SIZE A	SIZE B	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.023	120cm	104cm	106.8W	15700 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.024	177cm	153cm	160.2W	23549 Lm	3000°K - 4000°K - 5000°K	>85	<19	External
82.025	232cm	201cm	213.6W	31399 Lm	3000°K - 4000°K - 5000°K	>85	<19	External



Hanging system included.

\* (Lm) the data reflected in the table can vary according to manufacturing.

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.

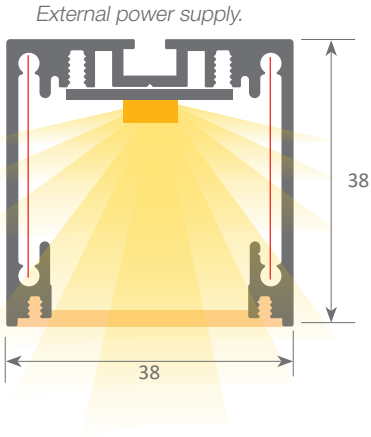


Led and power supply Vossloh-Schwabe  
(see pages 300 and 312)



European Patent  
Nº.: 13156605.1

Innovation



\* See big profile Múnich Mini, page 192

Our led profile CARBONELL is manufactured in high purity aluminium and can be silver anodised or textured white. Used with led inside, it can offer a high level of light efficiency.

This profile can be used with our transparent micro prism cover which improves glare ("UGR<19"). This is ideal for work areas, recreation centres or shopping centres.

We can manufacture in other sizes (please consult with our commercial department).

Hanger kit and power supply box included (in Múnich Mini).

We offer a 5 year guarantee.

# CARBONELL



IP65  
"easy-ON" cover

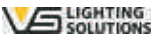
- Silver anodised, lacquered textured white and lacquered textured black.  
Amperage: 700mA - rigid led strip (20mm wide)

REFERENCES	SIZE	POWER	LUMENS* (4000°K)	COLOUR TEMPERATURE (°KELVIN)	CRI	UGR	POWER SUPPLY
82.031	30x60cm	53.4W	7850 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.032	30x86cm	71.2W	10416 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.033	30x114cm	89W	13083 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.034	30x142cm	106.8W	15700 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.035	58x58cm	71.8W	10555 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.036	60x86cm	89W	13083 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.037	60x114cm	106.8W	15700 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.038	60x142cm	124.6W	18316 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.039	84x84cm	107.4W	15788 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal
82.040	114x114cm	142.4W	20933 Lm	3000°K - 4000°K - 5000°K	>85	<19	Internal

Hanging system included.

\* (Lm) the data reflected in the table can vary according to manufacturing.

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.



Led and power supply Vossloh-Schwabe

(see pages 300 and 312)



Plugs available

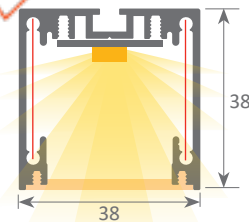


European Patent  
Nº.: 13156605.1

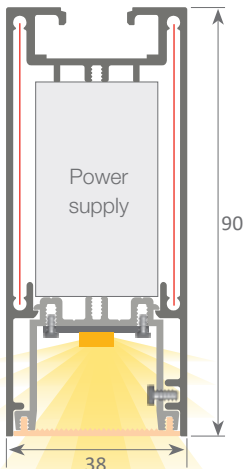


Innovation  
made  
in  
Spain

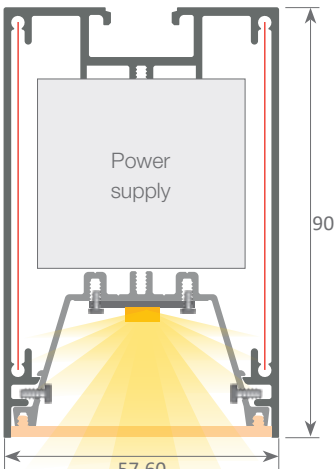
External power supply.



\* See big profile Múnich Mini  
page 192



\* See big profile Múnich Magnum Slim  
page 194



\* See big profile Múnich Magnum  
page 196



skyled

Made to measure



Our wide range of made to measure luminaires can be manufactured on an individual basis and in lengths of up to 6 metres without any types of joints.

Our luminaires are designed and manufactured entirely by Luz Negra (made in Spain) and are a perfect match for our **led profile** and our rigid strips from the German company Vossloh-Schwabe.

We offer versions for recessing, surfaces, hanging, cornices and also for using as wall lamps.

Dimmable or non-dimmable, 1-10V, Push or DALI.

Available in white, black, silver or can be personalised. They offer us efficiencies greater than 165 Lm/W and up to 9160 Lm (lineal metre).

We offer different types of covers: standard, microprism with symmetrical optics, asymmetrical, etc.

If requested, we also offer relevant luminous calculation studies and corresponding files for our luminaires, to be used with DiaLux and RELUX programs.

Emergency kit for luminaires (optional).



**Hanging**

380



**Recessed**

382



**Corner**

384

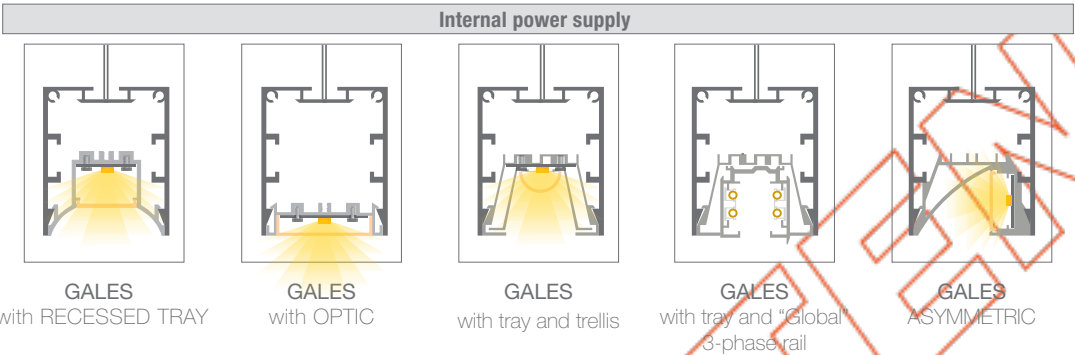


**Wall lamp**

385



# Hanging luminaires - Made to measure

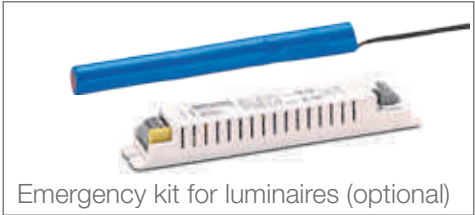


Amperage: 700mA - rigid led strip 20mm wide - The lumens reflected in this table correspond to the rigid strips for 4000°K (165 Lm/W - >85CRI).  
The profiles can be manufactured in different finishings. Please check options with our commercial department.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES 1-10V	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
82.073	82.053	82.063	58cm	33W	5545 Lm	3000K-4000K-5000K
82.074	82.054	82.064	86cm	50W	8250 Lm	3000K-4000K-5000K
82.075	82.055	82.065	114cm	67W	11055 Lm	3000K-4000K-5000K
82.076	82.056	82.066	142cm	84W	13860 Lm	3000K-4000K-5000K
82.077	82.057	82.067	170cm	101W	16665 Lm	3000K-4000K-5000K
82.078	82.058	82.068	198cm	118W	19470 Lm	3000K-4000K-5000K
82.079	82.059	82.069	226cm	135W	22275 Lm	3000K-4000K-5000K
82.080	82.060	82.070	254cm	152W	25080 Lm	3000K-4000K-5000K
82.081	82.061	82.071	282cm	169W	27885 Lm	3000K-4000K-5000K
82.082	82.062	82.072	338cm	203W	33495 Lm	3000K-4000K-5000K

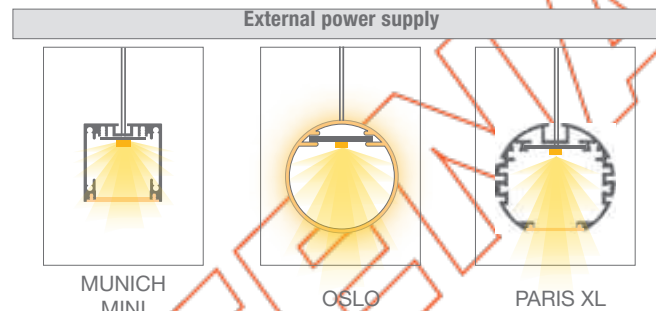
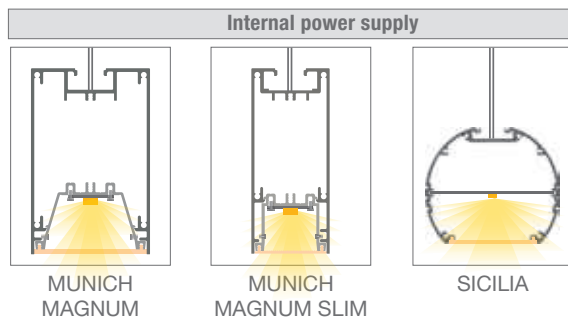
The data reflected on this table may suffer slight changes according to manufacturing.

- Luminosity data is based on supplier's data sheets Vossloh-Schwabe for led strips.
- We offer a 5 year guarantee.





## Hanging luminaires - Made to measure



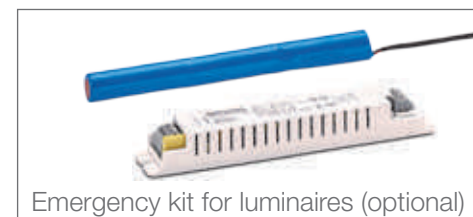
Amperage: 700mA - rigid led strip 20mm wide - The lumens reflected in this table correspond to the rigid strips for 4000°K (165 Lm/W).  
The profiles can be manufactured in different finishings. Please check options with our commercial department.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES RRP 1-10V	Size	Power	Lumens (4000°K)	Colour temp. (Kelvin)
82.113	82.083	82.098	58cm	33W	5545 Lm	3000K-4000K-5000K
82.114	82.084	82.099	86cm	50W	8250 Lm	3000K-4000K-5000K
82.115	82.085	82.100	114cm	67W	11055 Lm	3000K-4000K-5000K
82.116	82.086	82.101	142cm	84W	13860 Lm	3000K-4000K-5000K
82.117	82.087	82.102	170cm	101W	16665 Lm	3000K-4000K-5000K
82.118	82.088	82.103	198cm	118W	19470 Lm	3000K-4000K-5000K
82.119	82.089	82.104	226cm	135W	22275 Lm	3000K-4000K-5000K
82.120	82.090	82.105	254cm	152W	25080 Lm	3000K-4000K-5000K
82.121	82.091	82.106	282cm	169W	27885 Lm	3000K-4000K-5000K
82.122	82.092	82.107	338cm	203W	33495 Lm	3000K-4000K-5000K
82.123	82.093	82.108	394cm	237W	39105 Lm	3000K-4000K-5000K
82.124	82.094	82.109	450cm	271W	44715 Lm	3000K-4000K-5000K
82.125	82.095	82.110	506cm	305W	50325 Lm	3000K-4000K-5000K
82.126	82.096	82.111	562cm	339W	55935 Lm	3000K-4000K-5000K
82.127	82.097	82.112	590cm	356W	58740 Lm	3000K-4000K-5000K

The data reflected on this table may suffer slight changes according to manufacturing.

\* Hanging system included in the price. Our Munich Magnum, Munich Magnum Slim and Sicilia profiles permit Up&Down lighting (please consult increment with the commercial department).

- Luminosity data is based on supplier's Vossloh-Schwabe data sheets for led strips.
- We offer a 5 year guarantee.



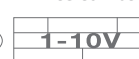
Emergency kit for luminaires (optional)



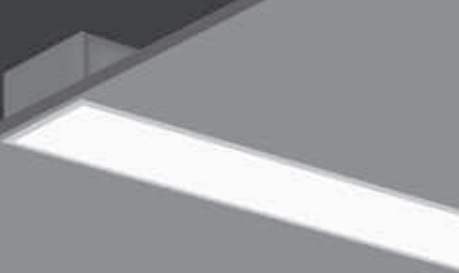
European Patent  
Nº.: 13156605.1



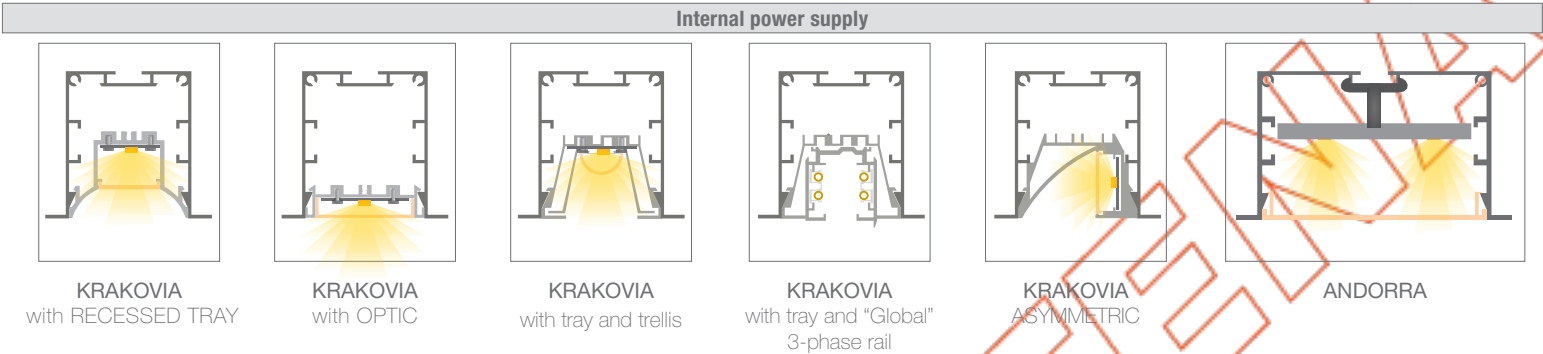
- Photometric curves and IES/LDT files can be carried out in our laboratory on request.







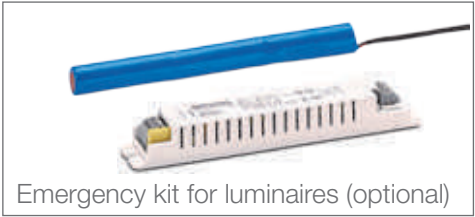
# Recessed luminaires - Made to measure



Amperage: 700mA - rigid led strip 20mm wide - The lumens reflected in this table correspond to the rigid strips for 4000°K (165 Lm/W).  
The profiles can be manufactured in different finishings. Please check options with our commercial department.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES 1-10V	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
84.040	84.020	84.030	58cm	33W	5545 Lm	3000K-4000K-5000K
84.041	84.021	84.031	86cm	50W	8250 Lm	3000K-4000K-5000K
84.042	84.022	84.032	114cm	67W	11055 Lm	3000K-4000K-5000K
84.043	84.023	84.033	142cm	84W	13860 Lm	3000K-4000K-5000K
84.044	84.024	84.034	170cm	101W	16665 Lm	3000K-4000K-5000K
84.045	84.025	84.035	198cm	118W	19470 Lm	3000K-4000K-5000K
84.046	84.026	84.036	226cm	135W	22275 Lm	3000K-4000K-5000K
84.047	84.027	84.037	254cm	152W	25080 Lm	3000K-4000K-5000K
84.048	84.028	84.038	282cm	169W	27885 Lm	3000K-4000K-5000K
84.049	84.029	84.039	338cm	203W	33495 Lm	3000K-4000K-5000K

The information and prices reflected in this table refer to luminaires with only 1 line of led strip. The Andorra model can used two lines of led strip (please check with our commercial department for corresponding prices and data).



The data reflected on this table may suffer slight changes according to manufacturing.

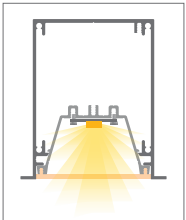
- Our luminaires with optics can only be manufactured with our models KRAKOVIA given measurements can suffer small changes.
- Luminosity data is based on supplier's data sheets for led strips Vossloh-Schwabe.
- We offer a 5 year guarantee.



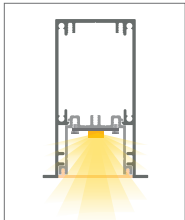


# Recessed luminaires - Made to measure

## Internal power supply

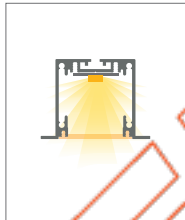


MOSCU  
MAGNUM

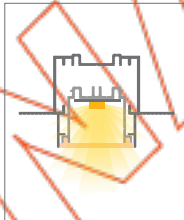


MOSCU  
MAGNUM SLIM

## External power supply



MOSCU  
MINI



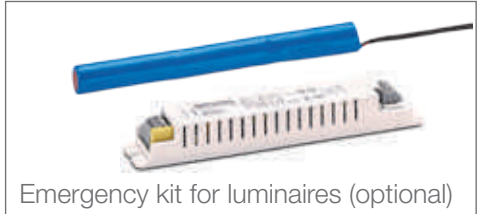
MADEIRA

Amperage: 700mA - rigid led strip 20mm wide - The lumens reflected in this table correspond to the rigid strips for 4000°K (165 Lm/W).  
The profiles can be manufactured in different finishings. Please check options with our commercial department.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES 1-10V	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
84.080	84.050	84.065	58cm	33W	5545 Lm	3000K-4000K-5000K
84.081	84.051	84.066	86cm	50W	8250 Lm	3000K-4000K-5000K
84.082	84.052	84.067	114cm	67W	11055 Lm	3000K-4000K-5000K
84.083	84.053	84.068	142cm	84W	13860 Lm	3000K-4000K-5000K
84.084	84.054	84.069	170cm	101W	16665 Lm	3000K-4000K-5000K
84.085	84.055	84.070	198cm	118W	19470 Lm	3000K-4000K-5000K
84.086	84.056	84.071	226cm	135W	22275 Lm	3000K-4000K-5000K
84.087	84.057	84.072	254cm	152W	25080 Lm	3000K-4000K-5000K
84.088	84.058	84.073	282cm	169W	27885 Lm	3000K-4000K-5000K
84.089	84.059	84.074	338cm	203W	33495 Lm	3000K-4000K-5000K
84.090	84.060	84.075	394cm	237W	39105 Lm	3000K-4000K-5000K
84.091	84.061	84.076	450cm	271W	44715 Lm	3000K-4000K-5000K
84.092	84.062	84.077	506cm	305W	50325 Lm	3000K-4000K-5000K
84.093	84.063	84.078	562cm	339W	55935 Lm	3000K-4000K-5000K
84.094	84.064	84.079	590cm	356W	58740 Lm	3000K-4000K-5000K

The data reflected on this table may suffer slight changes according to manufacturing.

- Luminosity data is based on supplier's data sheets for led strips Vossloh-Schwabe.
- We offer a 5 year guarantee.



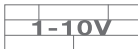
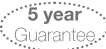
Emergency kit for luminaires (optional)



European Patent  
Nº.: 13156605.1

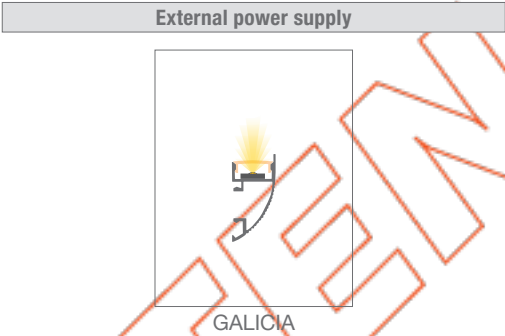
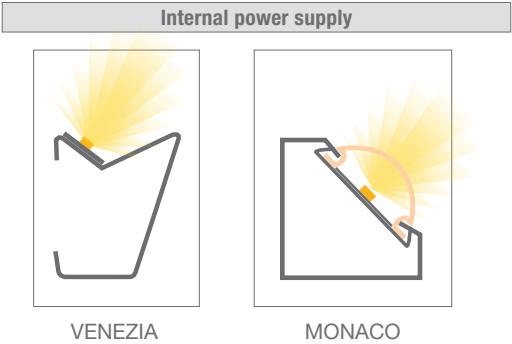


- Photometric curves and IES/LDT files can be carried out in our laboratory on request.





Corner luminaires - Made to measure



● Profiles in lacquered white.  
Canovelles led strip 19W for our Venezia profile. Granada led strip for Mónaco and Galicia profile. Data according to Granada ecoled.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES 1-10V	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
83.017	83.005	83.011	58cm	12.20W	1740 Lm	2700K-4000K-6500K
83.018	83.006	83.012	86cm	18.10W	2580 Lm	2700K-4000K-6500K
83.019	83.007	83.013	114cm	23.95W	3420 Lm	2700K-4000K-6500K
83.020	83.008	83.014	142cm	29.85W	4260 Lm	2700K-4000K-6500K
83.021	83.009	83.015	170cm	35.7W	5100 Lm	2700K-4000K-6500K
83.022	83.010	83.016	198cm	41.67W	5940 Lm	2700K-4000K-6500K

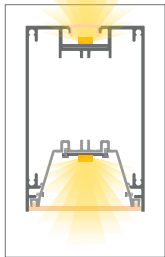
The data reflected on this table may suffer slight changes according to manufacturing.



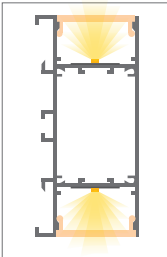


Wall lamp luminaires - Made to measure

Internal power supply

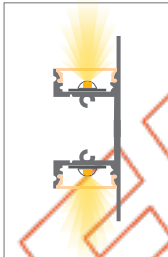


MUNICH  
MAGNUM



WASHINGTON

External power supply



KENTUCKY

● Profiles in silver anodised.  
Granada led strip 19W.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	REFERENCES 1-10V	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
83.053	83.023	83.038	58cm	12.20W	1740 Lm	2700K-4000K-6500K
83.054	83.024	83.039	86cm	18.10W	2580 Lm	2700K-4000K-6500K
83.055	83.025	83.040	114cm	23.95W	3420 Lm	2700K-4000K-6500K
83.056	83.026	83.041	142cm	29.85W	4260 Lm	2700K-4000K-6500K
83.057	83.027	83.042	170cm	35.7W	5100 Lm	2700K-4000K-6500K
83.058	83.028	83.043	198cm	41.67W	5940 Lm	2700K-4000K-6500K

The data reflected on this table may suffer slight changes according to manufacturing.

Up to:  
7000 Lm/m  
189 Lm/W

Led + power supply  
+ emergency kit

**VS** LIGHTING  
SOLUTIONS

5 year  
guarantee

Innovation

made  
in  
Spain

Up to 200m  
with only one  
electric supply

Up to 16A  
with only one  
electric supply

#### OPTIONAL

Vossloh emergency kit  
(it reduces luminosity to 10%)

Phase selector  
L1 - L2 - L3

Suspension support which allows  
us to hang the luminaire.  
The ceiling support (surface) is  
also available.

Channelling for 8 cables  
throughout the installation

Emergency cable

**DALI**

3 phases  
+ neutral  
+ earth

Joining system between  
luminaires which includes  
Vossloh power supply.

Luminaire lengths: 171cm and 285cm  
Standard colours: lacquered white - lacquered black

# Skyled Channel

The DALI professional lighting system is the easiest and fastest on the market with regards to installation.

## OPTIONAL

Dimmer which permits the adjusting of light intensity in the installation.

## OPTIONAL

Articulated elbow joint which allows us to fit together two luminaires at any angle.

## OPTIONAL

Luminaire with rail for triphase spot at 230V.

## OPTIONAL

Kit with luminosity/ motion detector.

Final end cap



Covers available: transparent - frosted - opal - microprism  
Optics available: wide - narrow - drop - batwing - asymmetric



## Skyled Channel

Our Skyled Channel is a professional DALI system where we can connect up to 200 metres with only one connection. The profile and components are designed and manufactured in Spain, except for the led strips, power supplies and emergency kits which are from the German multinational company, Vossloh. We offer a 5 year guarantee for these products.

Skyled offers up to 7000 lumens per metre with an energetic efficiency of up to 189 lumens per metre. It offers a wide range of accessories so it can be used in any type of installation (hanging, surface, blind sections, rails with spotlights).

Making the most of the channels, we can have electric derivations to other elements such as emergency signs, etc.

### Fast and simple



Compared to other illumination equipment on the market, our Skyled Channel is most probably the easiest and fastest linear lighting system with regards to installing. This is due to the fact that we only have to turn a screw which joins one luminaire to the next one and at the same time, the same screw fixes the power supply in place, which also acts as a joining piece and reinforces the structure.

The rest of the accessories, such as dimmers, emergency kits, etc. are connected by pushing in with a slight pressure.

\*In our web page you will find all references and possible combinations for our Skyled Channel.





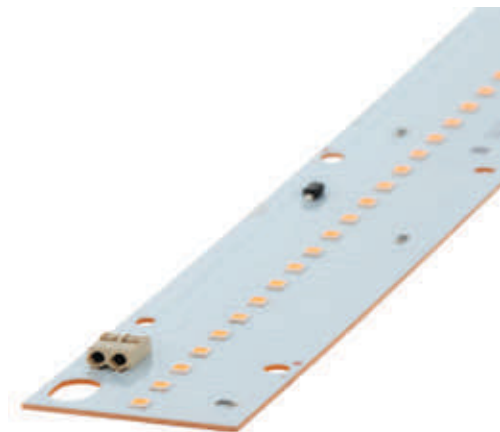
## The basic elements of our Skyled Channel

### Leds

Our luminaires can be configured with different types of leds, according to the luminosity needs for each project. They are available in colour temperatures: 3000°K-4000°K-5000°K.

Although led technology is becoming more and more advanced, here at Luz Negra we are constantly updating and adapting our products. Currently the main models are:

- SKL100 with 100 leds per section (2837mm). This is the dimmest version and ideal for corridors and installations with low ceilings, etc. Optics cannot be applied.  
Section of 2837mm: 46W - 6600 lumens - 3.37kgs - CRI >85
- SKL150 with 150 leds per section (2837mm). This offers a very efficient level of luminosity and thanks to its optics allows us to illuminate at a very competitive price.  
Section of 2837mm: 67W - 10300 lumens - 3.37kgs - CRI >85  
Section of 1713mm: 40W - 6180 lumens - 2.07kgs - CRI >85
- SKL120 with 120 leds per section (2837mm). This has a new generation of leds which are very competitive in efficiency and in cost, offering us a multi-valued solution for retail or car parks which have demanding levels of light.  
Section of 2837mm: 86W - 12200 lumens - 3.37kgs - CRI >85  
Section of 1713mm: 51W - 7300 lumens - 2.07kgs - CRI >85
- SKL200 with 200 leds per section (2837mm). This is a system between SKL120 and SKL300 and especially indicated for retail or car parks where we use blind sections (discontinued light). Optics cannot be used.  
Section of 2837mm: 94W - 12000 lumens - 3.37kgs - CRI >85  
Section of 1713mm: 57W - 7200 lumens - 2.07kgs - CRI >85
- SKL300 with 300 leds per section (2837mm). This allows very homogeneous lighting and its high quantity of leds is of utmost importance whenever we need a greater control of the glare level. Our wide range of covers and optics means we can adapt the light to different types of atmospheres.  
Section of 2837mm: 108W - 16400 lumens - 3.37kgs - CRI >85  
Section of 1713mm: 65W - 9900 lumens - 2.07kgs - CRI >85
- SKL150HB with 150 high luminosity leds per section (2837mm). This is the brightest option in our Skyled Channel due to its high efficiency and great benefits and is ideal for installations with high levels of light.  
Section of 2837mm: 136W - 19000 lumens - 3.37kgs - CRI >85  
Section of 1713mm: 83W - 11500 lumens - 2.07kgs - CRI >85



\*In our web page you will find all references and possible combinations for our Skyled Channel.





## The basic elements of our Skyled Channel

### Luminaires

Our luminaires are available in 2 sizes: 2837mm and 1713mm and are supplied in both black lacquered and white lacquered. Inside there is a channel for 8 cables, 3-phase (this is a 3-phase system) + neutral + earth + emergency + 2 cables for the DALI system. It offers a water tightness of IP52 when used with normal covers and an IP42 when used with lens covers. The luminaire is manufactured in Spain and the led inside, from the German brand, Vossloh (Panasonic Group). Each luminaire includes an external power supply and 2 brackets for hanging. The luminaire also acts as a cable channel (hence its name "Skyled Channel") so as well as illuminating, it allows each section to carry out an outer derivation of up to 1 ampere for external elements such as light boxes, vending machines, auxiliary light, etc.

The luminaire lets us create blind sections for those installations which don't require continuous light (there is only cable channelling inside, without any led or optic).



### ➤ Power supplies

The power supplies are found outside the luminaire. This is due to the fact that the lifespan of a led is not the same as that of a power supply and therefore we shouldn't have to open the luminaire in order to replace it. Also, because it is independent, the luminaire holds less heat.

The power supply is connected at one end of the luminaire, acting as a joint between 2 sections and can be easily fixed or removed just by loosening a screw.

The power supply is manufactured by a multinational Germany company, Vossloh (Panasonic Group) and has a metallic plate in the upper part for improved heat dissipation.



\*In our web page you will find all references and possible combinations for our Skyled Channel.



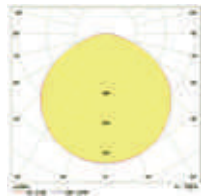




## The basic elements of our Skyled Channel

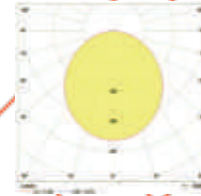
### Covers and optics

Our luminaires can be combined with different types of covers (and also optics), according to the requirements of each individual project. We can offer the following models:



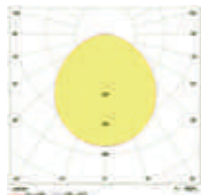
#### TRANSPARENT

For installations which require the highest levels of luminosity and where dotting is not a problem.



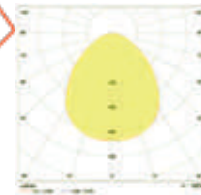
#### OPAL

This is the best option for installations where a dot free effect is very important.



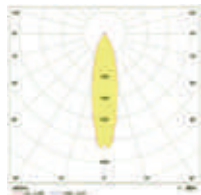
#### FROSTED

This option falls between transparent and opal and offers a good relation regarding the diffusion of the dot and light transmission.



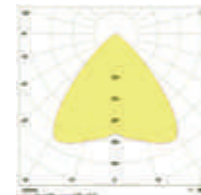
#### MICRO PRISM

This is the perfect choice when we require a high level of visual comfort and a low UGR.



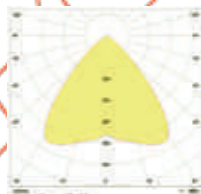
#### OPTIC 30°

This type of optic is used for greater depth installations due to its closed angle, which allows us to project the light over long distances.



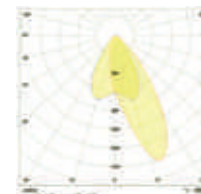
#### OPTIC 110°

This optic is ideal for installations with small depths, where we require very intense light over small distances.



#### OPTIC 60°

This optic is the perfect option for installations with medium sized depths.



#### ASYMMETRIC OPTIC

This type of optic is used where we have to project light only towards one side of the installation.

\*In our web page you will find all references and possible combinations for our Skyled Channel.





## The basic elements of our Skyled Channel



Our Skyled Channel is compatible with 3-phase rails (for spotlights). It can be supplied in modules with 3-phase rails and can be combined with other types of linear lighting.



Kit for dimming the complete installation



Emergency kit for reducing luminosity to 10% nominal



Anchoring system for hanging luminaires



Anchoring system for surface luminaires



Initial power connection



End connector



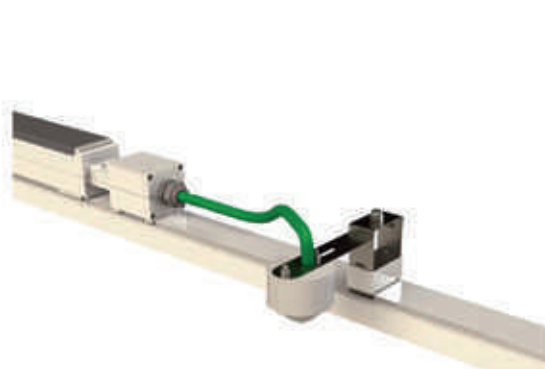
Presence detection kit



Joining kit with adjustable flexible tube



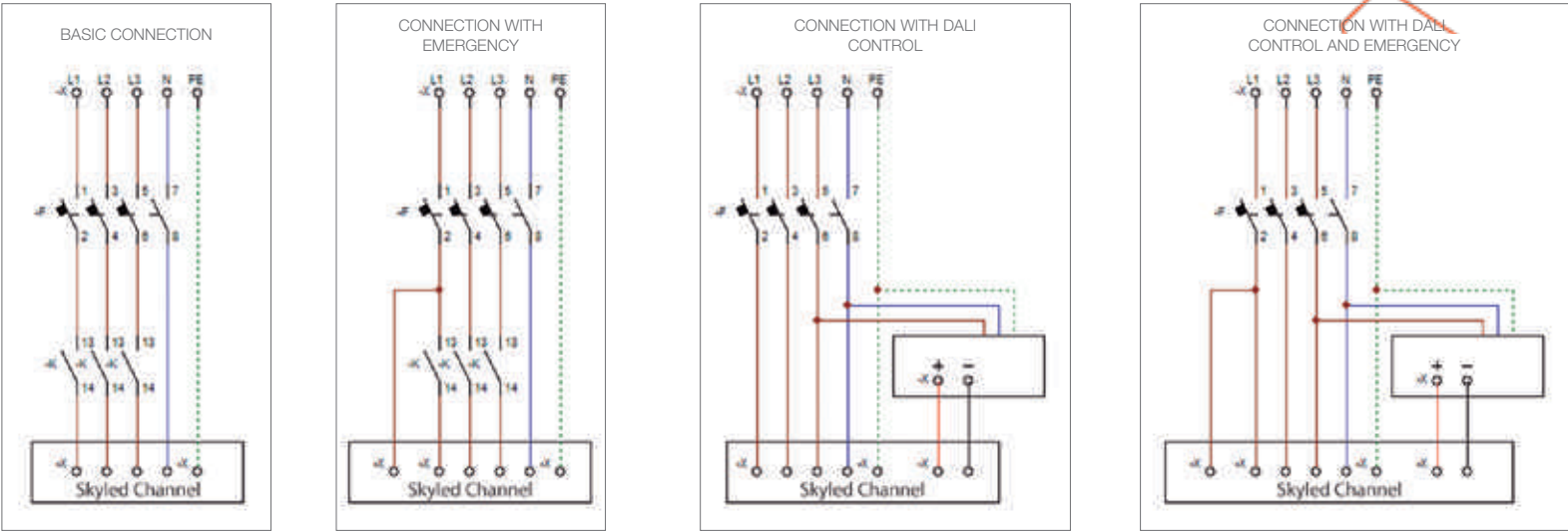
Sample presentation box



\*In our web page you will find all references and possible combinations for our Skyled Channel.



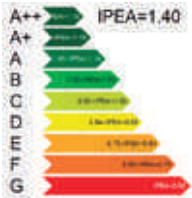
Electrical connection schemes



Certifications



CERTIFICATION	STANDARD
IEC-CE marking	UNE-EN 60598-1+A11:2009 UNE-EN 60598-2-1:93
Electromagnetic compatibility	2004/108/CE (EMC) EN 55015:2006+A1:2007+A2:2009 EN 61547:2009 EN 91000-3-2:2006+A1:2009 EN61000-3-3:2009 EN 62493:2010
Photo biological safety	IEC/TR 62778
RoHS	2011/65/EU (RoHS)
Declaration of substances	1907/2006 (REACH)
Emergency lighting in public areas	UNE-EN 60598-1:09+A11:2009 UNE-EN 60598-2-22+A2:08+CORR:14 ITC-BT-28
Energy efficiency index	EEI EN 62612 9.3-9.1-8.1



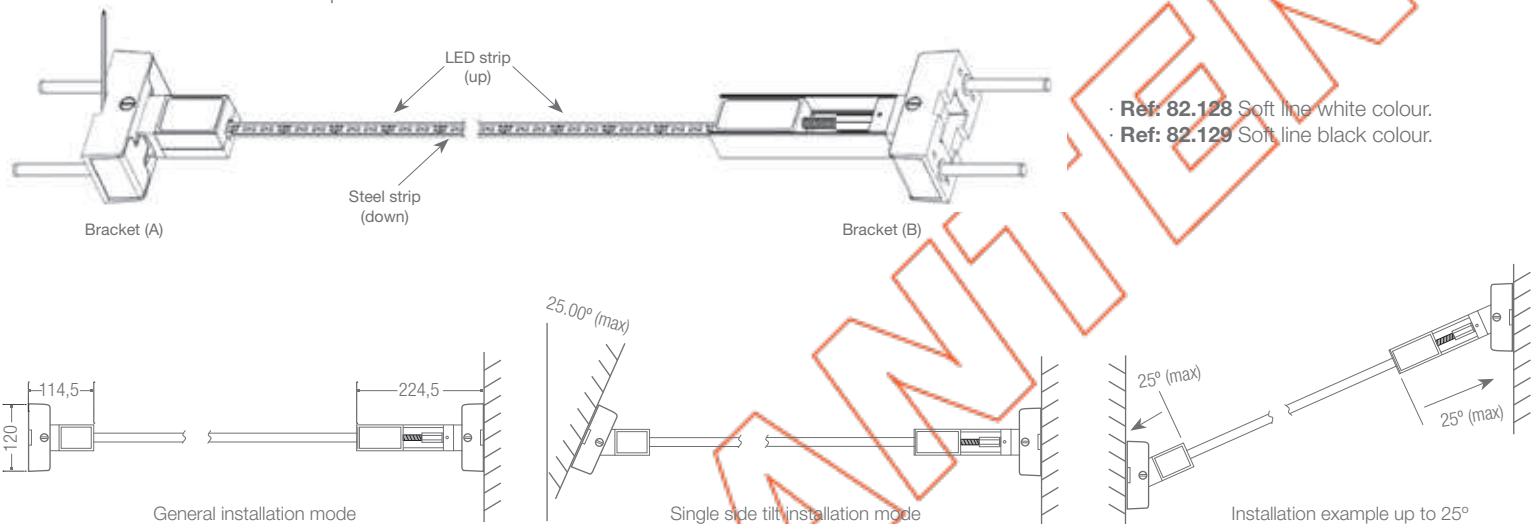
## Linear lighting system with steel tape

A thin strip made of stainless steel, which only 15mm in width, produces an indirect light line. It can be adapted to different situations, stretching it from wall to wall, with different degrees of inclination or from ceiling to floor, according to the needs of each project.

It comes in strips of 10m and can be cut to desired length (20m lengths can be requested. Please check price with our commercial department)

Led strip not included.

Recommended for use with led strips with a PCB of maximum 12mm.



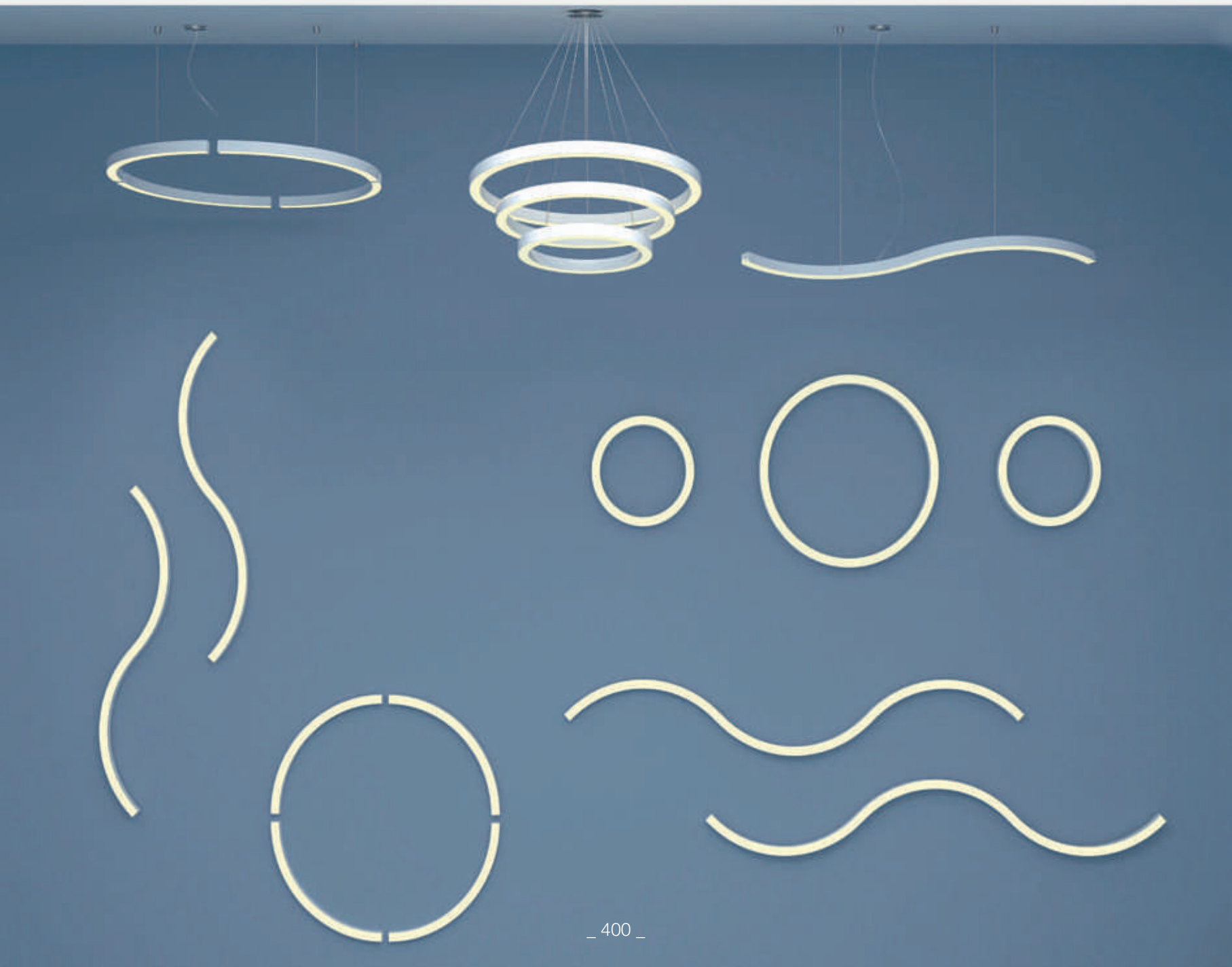






# Saturno

Saturno is a collection of luminaires manufactured in circular and curved shapes which allow us multiple combinations and geometrical forms. They offer illumination by means of high luminosity rigid strips. Used for hanging purposes, surfaces and wall applications.



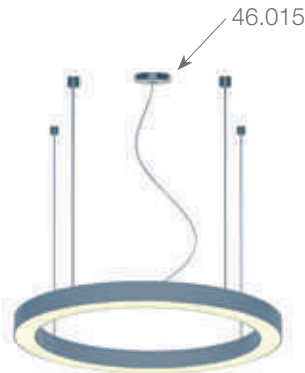




# Saturno 60-90-120

Luminaires with different diametres: 66-90-120cm, manufactured in textured lacquered white or black aluminium and illuminated with a led strip in 3000°K - 4000°K - 6000°K.  
It can be used on surfaces or for hanging applications (using hanging kits). A small rosette is included.

The rosette reference 46.015 is supplied on request and is needed when we use more than one circle in the same composition.



Saturno 60

- Ref: 80.001 3000°K laquered white
- Ref: 80.002 4000°K laquered white
- Ref: 80.003 6000°K laquered white
- Ref: 80.004 3000°K laquered black
- Ref: 80.005 4000°K laquered black
- Ref: 80.006 6000°K laquered black

Circular luminaire IP20.  
Driver and small rosette included.  
Large rosette, ref: 46.015 supplied on request.

Power (W)	20W
Voltage (V)	220V-240V
Lumens <sup>(4000°K)</sup>	2800 Lm/m
Light emission	120°
Waterproofing	IP20
Size	Ø660mm
Working temp.	-15°C / +60°C
Apt for	Indoor
Packaging	1 unit
Guarantee	3 years



Saturno 90

- Ref: 80.007 3000°K laquered white
- Ref: 80.008 4000°K laquered white
- Ref: 80.009 6000°K laquered white
- Ref: 80.010 3000°K laquered black
- Ref: 80.011 4000°K laquered black
- Ref: 80.012 6000°K laquered black

Circular luminaire IP20.  
Driver and small rosette included.  
Large rosette, ref: 46.015 supplied on request.

Power (W)	40W
Voltage (V)	220V-240V
Lumens <sup>(4000°K)</sup>	5900 Lm/m
Light emission	120°
Waterproofing	IP20
Size	Ø900mm
Working temp.	-15°C / +60°C
Apt for	Indoor
Packaging	1 unit
Guarantee	3 years



Saturno 120

- Ref: 80.013 3000°K laquered white
- Ref: 80.014 4000°K laquered white
- Ref: 80.015 6000°K laquered white
- Ref: 80.016 3000°K laquered black
- Ref: 80.017 4000°K laquered black
- Ref: 80.018 6000°K laquered black

Circular luminaire IP20.  
Driver and small rosette included.  
Large rosette, ref: 46.015 supplied on request.

Power (W)	50W
Voltage (V)	220V-240V
Lumens <sup>(4000°K)</sup>	7500Lm/m
Light emission	120°
Waterproofing	IP20
Size	Ø1200mm
Working temp.	-15°C / +60°C
Apt for	Indoor
Packaging	1 unit
Guarantee	3 years





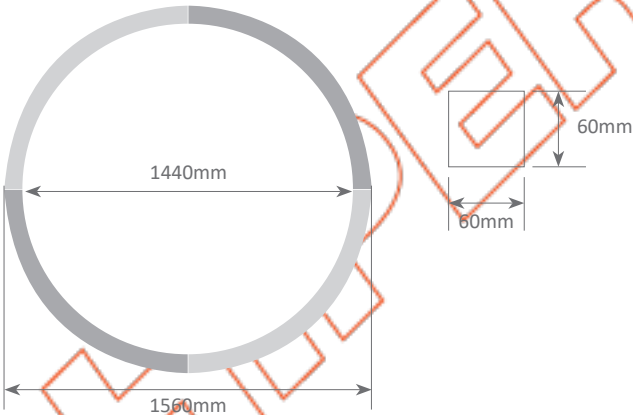
# Saturno 150

Luminaires with a diameter of 156cm, manufactured in textured lacquered white/black aluminium and illuminated with a led strip in 3000°K - 4000°K - 6000°K. Compared with the models 60-90-120cm, this model is supplied in 4 diferent parts because of its size. It can be used on surfaces or for hanging applications (using hanging kits).

Ref: 80.019	3000°K	laquered white
Ref: 80.020	4000°K	laquered white
Ref: 80.021	6000°K	laquered white
Ref: 80.022	3000°K	laquered black
Ref: 80.023	4000°K	laquered black
Ref: 80.024	6000°K	laquered black

Circular luminaire IP20.  
Driver and small rosette included.  
Large rosette, ref: 46.015 supplied on request.

Power (W)	80W
Voltage (V)	220V-240V
Lumens (4000°K)	9800 Lm/m
Light emission	120°
Waterproofing	IP20
Size	Ø1560mm
Working temp.	-15°C / +60°C
Apt for	Indoor
Packaging	1 unit
Guarantee	3 years



# Saturno EPSILON

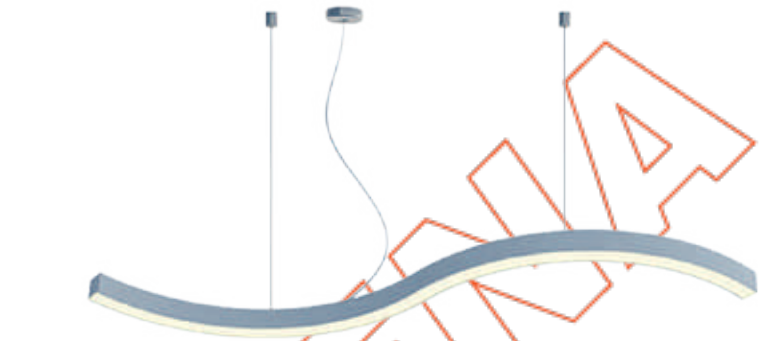
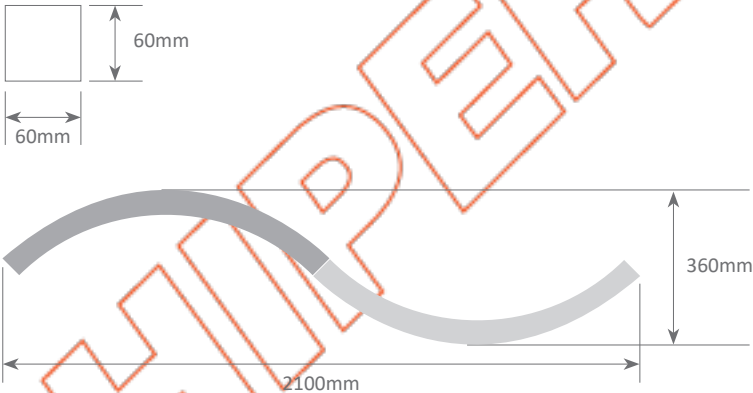
Luminaire made with two quarter pieces which are used to design an “S” shape.

It is manufactured in textured lacquered white/black aluminium and illuminated with a led strip in 3000°K - 4000°K - 6000°K. It can be used on surfaces or for hanging applications (using hanging kits included). We can join together as many pieces as desired to create longer curved shapes.

Ref: 80.025	3000°K	laquered white
Ref: 80.026	4000°K	laquered white
Ref: 80.027	6000°K	laquered white
Ref: 80.028	3000°K	laquered black
Ref: 80.029	4000°K	laquered black
Ref: 80.030	6000°K	laquered black

Circular luminaire IP20.  
Driver and small rosette included.  
Large rosette, ref: 46.015 supplied on request.

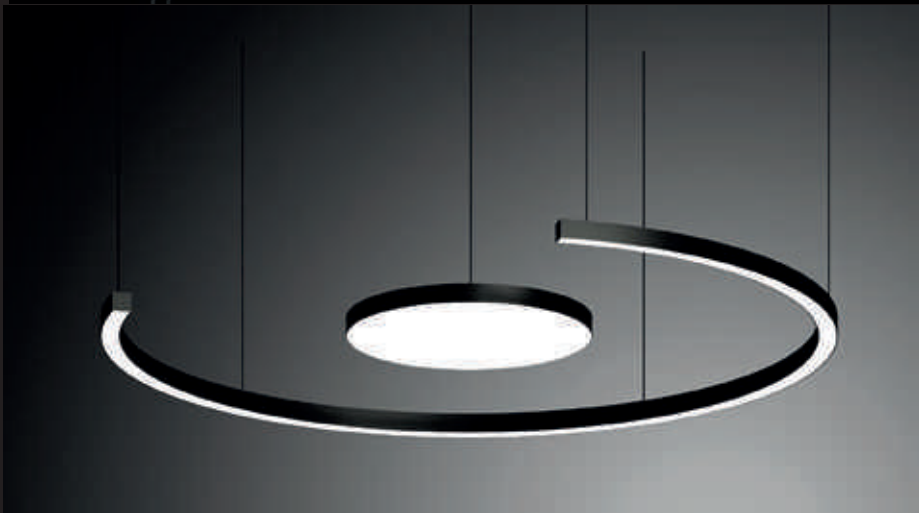
Power (W)	20W
Voltage (V)	220V-240V
Lumens <sup>(4000°K)</sup>	2800 Lm/m
Light emission	120°
Waterproofing	IP20
Size	2100mm
Working temp.	-15°C / +60°C
Apt for	Indoor
Packaging	1 unit
Guarantee	3 years





# Saturno

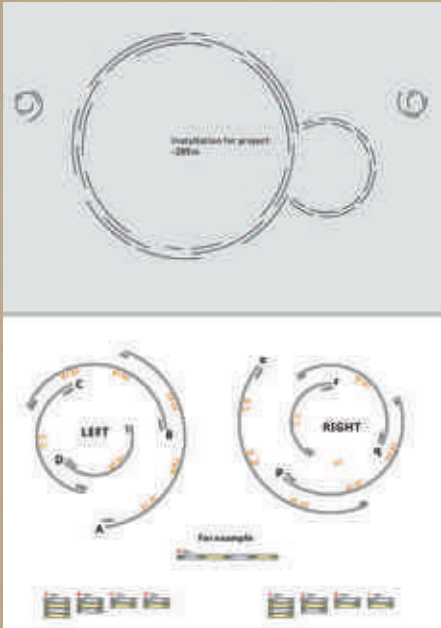
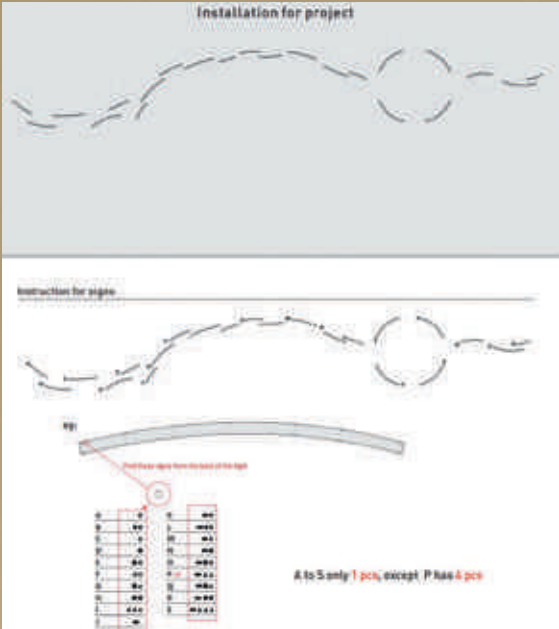
Customised projects





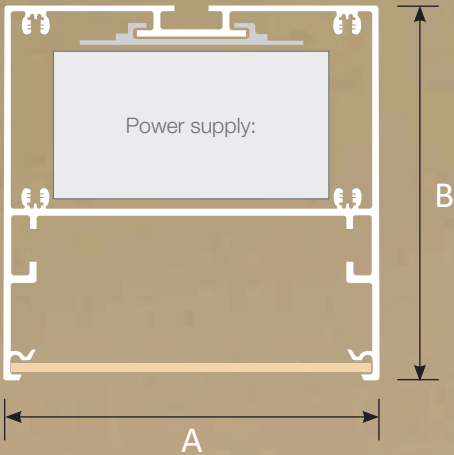


# Examples of customised projects



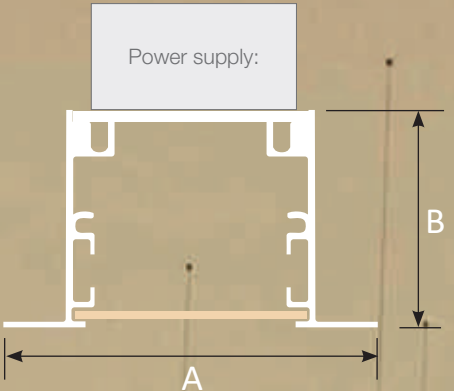
# Profile sizes available:

hanging / surface



- A B
- 40x60mm
- 60x60mm
- 40x80mm
- 60x80mm
- 80x80mm

recessed



- A B
- 60x35mm
- 70x35mm
- 80x35mm
- 100x35mm
- 120x35mm
- 150x35mm



Flexible cover available for longer length luminaires

1. Choose your profile colour: white, black, grey or other personalised colours.
2. Choose the profile size from amongst our standard options.
3. Choose the length of the luminaire.
4. Choose the shape of the luminaire.
5. Choose the type of lighting : upper, lower or Up&Down.
6. Choose the colour tone of the led.
7. Choose the type of control: without control, dimmable, Dali, etc.
8. Choose the type of luminaire: surface, hanging or recessed.





## Shinka **One**light luminaires

With this new system, we achieve a minimalist and delicate concept where we integrate light in a homogeneous manner in any space. Here at Luz Negra we are now moving on from conventional lighting for ceilings by now offering architects and designers a whole new concept in the freedom of creating illuminated spaces.

In order to make the most of the space, they are made to measure, with depths of 8 to 15cm. We can manufacture them up to a maximum of 2x6 metres. It is suitable for multiple installations, surfaces, ceilings, walls, and hanging applications.

The profiles can be finished in textured lacquered white, textured black and silver anodised.

Its textile front creates a homogeneous distribution of the light which, combined with led lighting, achieves a luminaire which discretely blends into its surroundings and at the the same time, gives out light in a uniform manner and without any glaring effect.

We have a customised solution for every project. Luminosity data is based on supplier's data sheets for led strips (sideview pro).

REFERENCES	SIZE	SURFACE	POWER	LUMENS (4000°K)	STONE
66.031	50x50x8cm	0.25m²	52W	5000 Lm	2700°K-4000°K-6000°K
66.032	100x100x8cm	1.00m²	210W	20000 Lm	2700°K-4000°K-6000°K
66.033	200x100x15cm	2.00m²	420W	40000 Lm	2700°K-4000°K-6000°K
66.034	200x200x15cm	4.00m²	840W	80000 Lm	2700°K-4000°K-6000°K
66.035	200x300x15cm	6.00m²	1260W	120000 Lm	2700°K-4000°K-6000°K
66.036	200x400x15cm	8.00m²	1680W	160000 Lm	2700°K-4000°K-6000°K
66.037	200x500x15cm	10.00m²	2100W	200000 Lm	2700°K-4000°K-6000°K
66.038	200x600x15cm	12.00m²	2500W	240000 Lm	2700°K-4000°K-6000°K







Microsoft

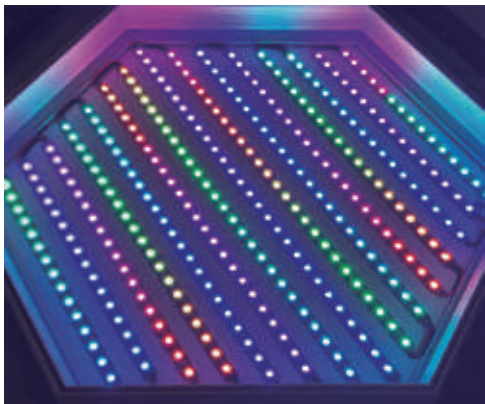
Microsoft Surface

Surface Payment Solutions  
for small business



Shinka with digital led - made to measure

Innovation  
made  
in  
Spain



Lightboxes with textile fronts and “Hawai” digital led inside (made to measure)

Power supply is not included as various luminaires can share the same one.

Various programs are available: standard content (many different programs to choose from) or customised programs (please check extra cost).

Manufactured with our Shinka F80 model (see page 231), with a depth of 8cm. Available in silver anodised, lacquered textured white or lacquered textured black.

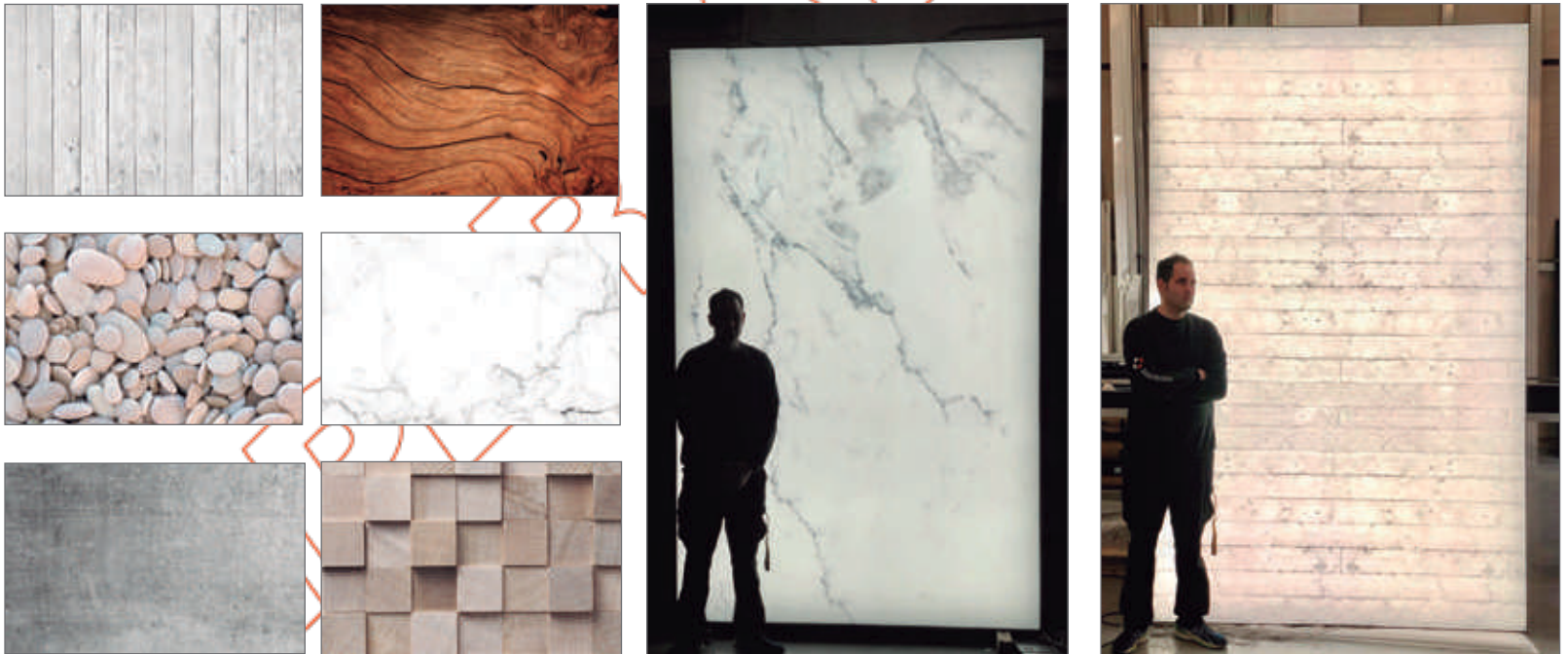
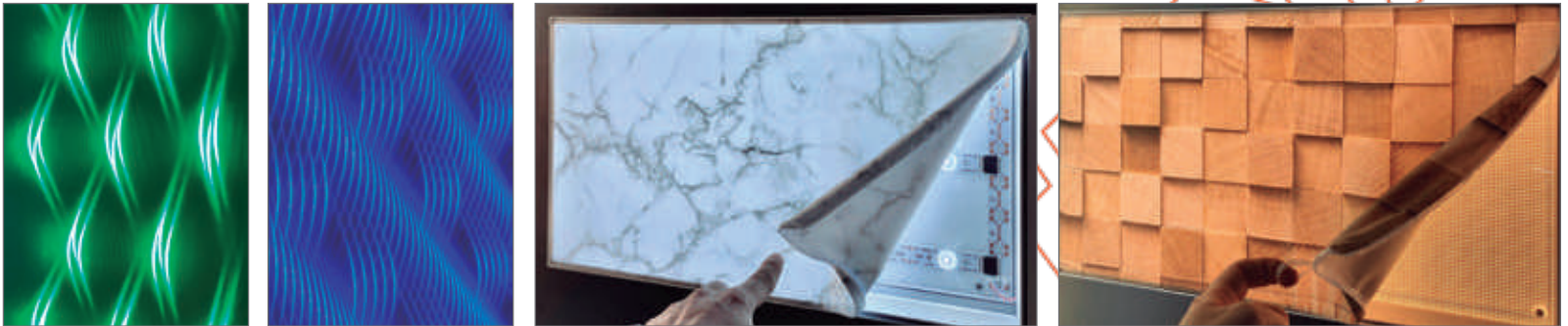
REFERENCES	SIZE	POWER	VOLTAGE	PIXELS
85.001	50x50cm	36W	12V	150
85.002	50x100cm	72W	12V	300
85.003	100x100cm	144W	12V	600
85.004	100x200cm	288W	12V	1200



Cortesy of Protopixel



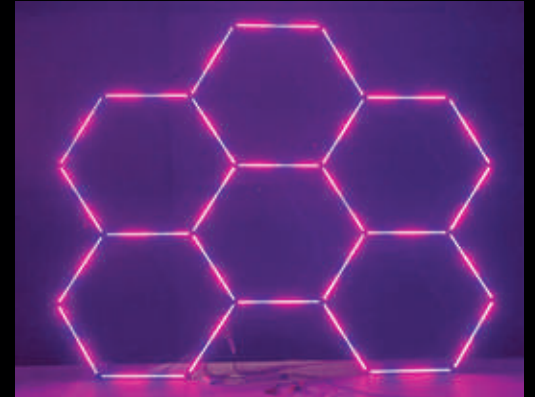
Luz Negra manufactures luminaires, which can also be personalised with textile fronts. We also supply a printing service for the front image along with various programming options for the led lighting effects. Check with the comercial departament.





## Digital Luminaires

We have brought out a new collection of luminaires at 24V with Digital Led inside (SMD 5050 RGB) and available in 2 sizes: 50cm (32 leds, 7.5W) and 100cm (64 leds, 15W). These luminaires can be joined together with their corresponding connectors at the ends (you can connect up to 10 metres without any drop in tension). Available with 3 different covers: white round, white square and dark flat. They have many types of joints and connectors which means you can make any type of geometrical shape or 3D design, for example cubes or pyramids. Both joints and connectors can be pressed in (without needing any tools), meaning a very fast installation.



Round cover  
Ref: 85.011 (50cm)  
Ref: 85.012 (100cm)



Square cover  
Ref: 85.013 (50cm)  
Ref: 85.014 (100cm)



Dark flat cover  
Ref: 85.015 (50cm)  
Ref: 85.016 (100cm)



Joints  
Ref: 22.069



90°  
Ref: 22.070



120°  
Ref: 22.071



T  
Ref: 22.072



Y  
Ref: 22.073



Star  
Ref: 22.077



Ball connector  
Ref: 22.078



Ball  
Ref: 22.079



Power cable  
Ref: 22.074



Adjustable angle  
Ref: 22.075

Cross  
Ref: 22.076



Digital linear luminaires - Made to measure

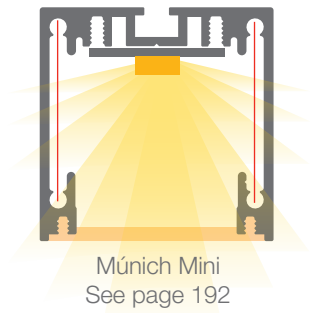
Innovation  
made  
in  
Spain



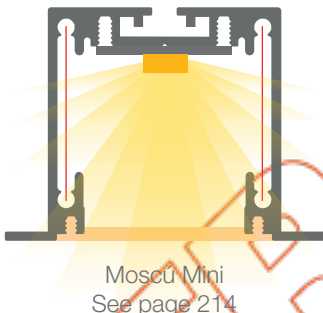
Luminaires manufactured with led profiles, containing our “Hawai” digital led strip inside. Power supply is not included as various luminaires can share the same one.

Various programs are available: standard content (many different programs to choose from) or customised programs (please check extra cost).

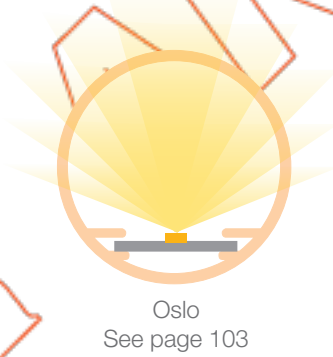
Led profiles available with white covers or our Black&White version.



Múnich Mini  
See page 192



Moscú Mini  
See page 214



Oslo  
See page 103



Versailles  
See page 54

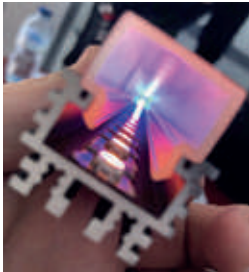


Inferno  
See page 56



Roma XL  
See page 52

REFERENCES	SIZE	POWER	VOLTAGE	PIXELS
85.005	50cm	7.2W	12V	30
85.006	100cm	14.4W	12V	60
85.007	150cm	21.6W	12V	90
85.008	200cm	28.8W	12V	120
85.009	250cm	36W	12V	150
85.010	300cm	43.2W	12V	180



# Sales terms and conditions

## THE FORMAL ACCEPTANCE OF AN ORDER IMPLIES THE COMPLIANCE WITH THE FOLLOWING SALES TERMS AND CONDITIONS

### GENERAL CONDITIONS

All sales procedures will be carried out under the following conditions.

Any suggested variations not conforming to these conditions shall be approved only after an official and written acceptance on behalf of LUZ NEGRA S.L.

### QUOTATIONS

Quotations will be valid for a maximum of 15 days from the date of issue.

### GUARANTEE AND QUALITY

All our products are guaranteed (please refer to the data sheet of each product, available in our website [www.luznegra.net](http://www.luznegra.net)) against any manufacturing defect.

The guarantee does not cover damages caused by the normal wear and tear of the product or arising from an improper use or maintenance, incorrect installation, or any usage errors for which the customer is accountable. Also, the guarantee does not apply to products which have been handled by personnel not authorized by LUZ NEGRA S.L. Small deviations amongst single units of the same product or any change carried out in the specific attributes of a product are claims which will not be accepted as grounds for complaint.

Any claim regarding quantity, quality or defective products must be forwarded to LUZ NEGRA within a period of time of up to a maximum of 48 hours after the date of receipt of the goods from the placed order. On the expiry of such term, all claims will not be accepted.

Prior to executing a product's guarantee, the customer must return the defective material to LUZ NEGRA facilities to undergo a lab analysis specifically designed to determine the reason behind the product's poor performance. Additionally, the submission of the invoice as well as the proof of payment are a precondition for initiating any procedure implying guarantee applications.

With the aim of improving the quality of the products provided by LUZ NEGRA, S.L., the company reserves the right to modify or cancel them without prior notice to the customer and therefore no complaints arising from a decision based on this right will be accepted.

### DELIVERY TIME

The time scheduled for the delivery of a placed order remains approximate, thus not implying any liability to LUZ NEGRA. All customer claims regarding alleged damages incurred as a result of the delay in the delivery of the goods, will not be accepted, nor will any claim for compensation for contractual infringements be accepted by LUZ NEGRA.

In the event of failing to meet the deadline scheduled, this does not imply an immediate effect on the initial commitment to the commercial agreement, settled by the customer. Moreover, the customer shall remain unauthorized to terminate the contract without notice, and will accord the possibility of a balanced solution, within a reasonable time frame to allow for importing material (60-90 days).

LUZ NEGRA is not subject to give notice of a delay, when the reason underlying the updating of our delivery agenda refers

to circumstances of force majeure, official measures, natural catastrophes, strikes and other disputes and difficulties in obtaining supplies and other unavoidable or unpredictable major events.

### PRICES/SHIPMENT COSTS

Unless expressly indicated, all the prices are stated in Euros.

The costs of transport and delivery will be specified separately in the offer (if requested by the client).

The client shall be fully and solely responsible for clearing the products for import and for payment of any applicable local taxes or import duties. The client shall obtain at his own risk and expense any import license or other official authorization and carry out all customs formalities for the importation of the products and, where necessary, for their transit through another country.

Unless stated, otherwise in offer, product prices are:

- Exclusive of VAT.
- Exclusive of import and export duties and any other levies by authorities.
- Exclusive of transport, unloading, insurance, installation and assembly.
- Exclusive of environmental levies or environmental surcharges that are or have been imposed by the authorities.

### ORDERS

The formal acceptance of all orders is an indispensable precondition before commencement of all production procedures, and shall be carried out accordingly by submitting the customer's conformity via written statement. All customized orders must be revised duly by the customer, as this type of material cannot be returned by the customer in the event of calculation errors. Should an order enclosing customized items be prepared without a due and written statement of conformity, no complaints about discrepancies between the goods delivered and those requested will be accepted. The production procedures of a placed order will always be started off after and subsequent receipt of proof of payment (in case of bank transfer).

### ORDER CANCELLATIONS AND RETURNS

The time limits for returning an order are laid down as 15 days from receiving the order after which no returns will be accepted.

All procedures concerning a return order must be previously authorized by LUZ NEGRA and shall also require the goods to be accompanied by the corresponding return merchandise authorization (RMA).

LUZ NEGRA will not accept a return order in the event of non-compliance of any of the above mentioned requirements.

In the event of any return delivery, both of the following elements involved in the process, namely the shipment costs resulting from a return order along with all the contractual liabilities concerning the collection of the goods, are always dependable and therefore defined on the basis of those particular circumstances uniquely referring to the concerned delivery. Moreover, the natural dependency of the process itself on the particular circumstances under which each return delivery takes place, becomes, eventually, a hindrance to any settling of LUZ NEGRA'S return delivery conditions.

For this reason, each return order will be treated individually.

No customized products or "special request" goods, petitioned by the customer and not normally in our stock, will be reimbursed and LUZ NEGRA will not be liable.

### RIGHT OF OWNERSHIP

The supplied goods will remain full property of LUZ NEGRA until payment has been made.

The right of ownership still remains valid until the client has paid his debt, even if he has made a sale to a third party.

### SHIPMENT

On receiving the order, the customer must revise the products and must document on the transport agency's delivery note any anomaly that is observed or any other issue that may have taken place during transport.

The customer must notify us in writing of any incident immediately after receiving the goods. After 24 hours from delivery, no claims regarding poor conditions of the goods will be accepted.

If no special instructions regarding transport have been additionally indicated by the customer, the shipment will be carried out under INCOTERMS: Ex-Works.

### PAYMENT

The payment terms shall be the ones agreed by both parties and duly set forth in all purchase orders.

LUZ NEGRA S.L. reserves the right to charge and claim all default bank interests in the case of overdue payments or compensation for any inconveniences incurred as a result of any non-payment on the due date.

Overdue payments bring about an immediate termination of all prior agreements, which include all duties and all liabilities on our part with respect to the customer.

The customer will always commit to his contractual liabilities, where no claims which were previously submitted but not accepted, shall exempt the customer from completely settling the purchase price of the total amount of any order.

In the event of any outstanding or overdue payment, all credit agreements will be cancelled, while at the same time, all ongoing proceedings to supply any goods will also be interrupted and shall remain as such until a full payment is received, thus enabling the situation to become regularized. Also, in the case of a repeated infringement, the previously agreed payment method will be irrevocably cancelled.

### JURISDICTION

In case of dispute, conditions shall be submitted to the Courts of the city of Granollers municipality located in the province of Barcelona (Spain), with express waiver by the parties of their jurisdiction.

### COURT COSTS AND JUDICIAL EXPENSES

All the attorney's fees, court costs and other expenses of litigation resulting from the judicial proceedings, shall be assumed by the party who is held accountable for non-compliance of the contractual terms and conditions.

### SUPPLEMENTARY RIGHT

All agreements shall be construed and governed by the aforementioned terms and conditions or, failing these, they shall follow the laws covered the Spanish Commercial Code and laid down for the Spanish market.

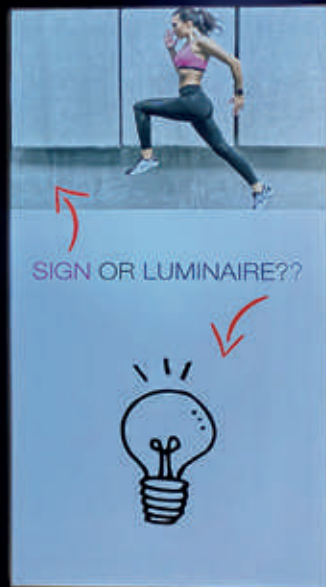


#shinka

SHOWROOM

custom made

#ledprofile



#skyled



#digitalled





# OUR TIMELINE

- 1987 Ricardo Téllez is the founder of Exinval, the first company in the group.
- 1988 We attend the first exhibition for signage products, introducing our own brand name **SIGN**.
- 1989 In Spain we design our first signage profiles.
- 1992 Luz Negra is founded in Barcelona, making it the second company in the group.
- 1999 In Paris we receive the International Prize for Quality.
- 2002 We attend the first international exhibition in Paris, followed by Frankfurt and Milán.
- 2003 Luz Negra Centro is founded in Madrid.
- 2006 We create our led lighting division under our own brand name **ECOLED**.
- 2008 We create the brand **LED PROFILE** for linear lighting with led strips.
- 2009 We create our Waterproof DUO system with IP67 for led strips.
- 2010 We design our exclusive “easy-ON” system, which holds a European patent and is certified by Applus, granting us IP65 protection for our led profiles.
- 2012 For the first time we attend the Light & Building Exhibition in Frankfurt.
- 2014 Luz Negra France is founded in Paris.
- 2017 In Luz Negra Barcelona we set up a laboratory for lighting calculations and CQ.
- 2018 We create a range of luminaires with our own brand name, **SKYLED**, offered in standard sizes.
- 2019 Luz Negra forms part of the Lighting Cluster CICAT and the Professional Association of Lighting Designers APDI.  
In 2019 we open our new digital lighting department, creating our **DIGITALLED** brand.
- 2020 We launch our new luminaire factory (free of static electricity).  
At Luz Negra we incorporate new equipment in our laboratory for improved quality control, such as a salt spray chamber, a waterproof testing chamber, a resistance machine and torsion testing apparatus.
- 2021 The future seems like a wonderful challenge. Do you dare to join us to discover what it has in store?



Sign (Madrid 1992)



Viscom (Paris 2002)



Light+Building (Frankfurt 2014)



Construmat (Barcelona 2019)



Euroshop (Düsseldorf 2020)

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[www.luznegra.net](http://www.luznegra.net)

Member of:



Professional association of  
lighting designers



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luznegra



Luz Negra ecoLED