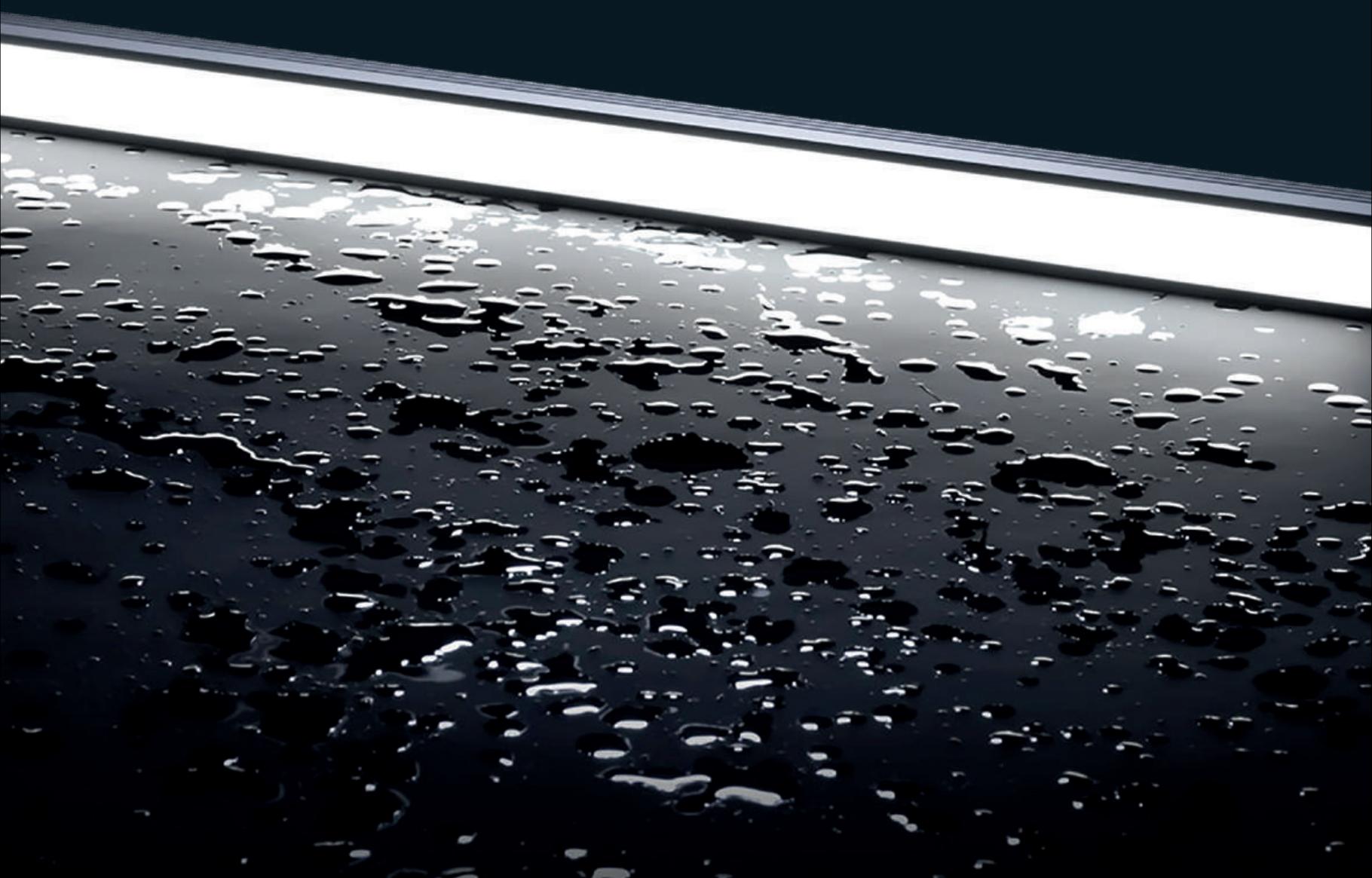




linear lighting solutions made in Spain



meliore 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.





led profile profiles for linear lighting

GENERAL INDEX

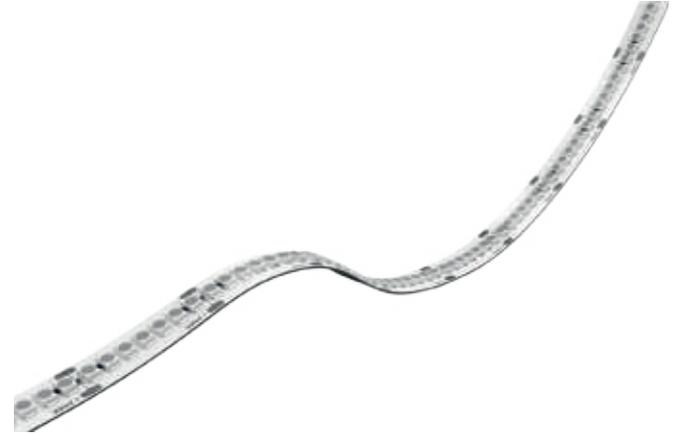
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The information reflected in this catalogue is as exact as possible, however it may suffer some typographic errors at the time of printing. The values indicated, are to be taken as indicative and they are not binding. The data exposed is as precise 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



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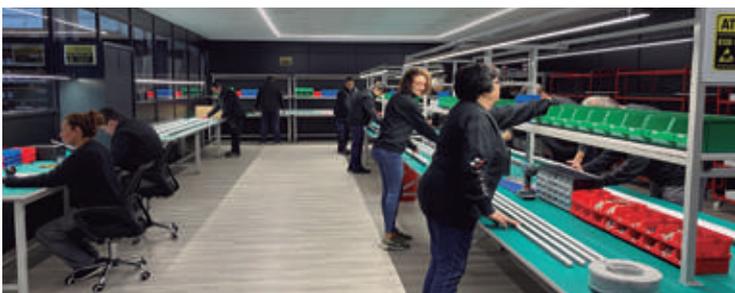
Our company



LUZ NEGRA CENTRO Madrid



LUZ NEGRA Barcelona



We are member of:



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 6000m² 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

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.



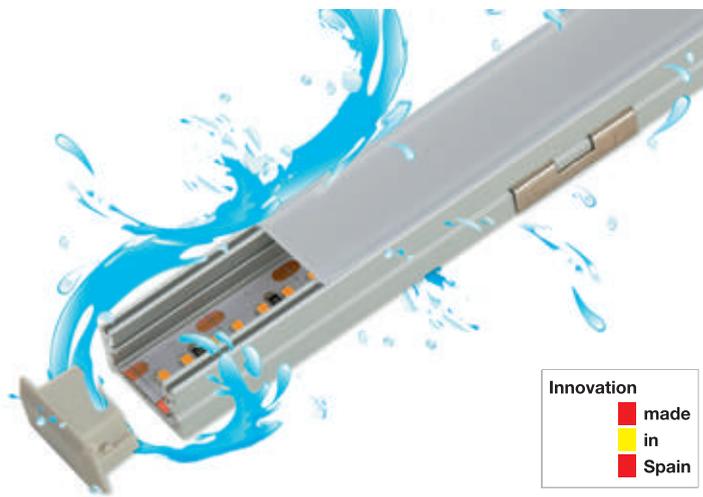
Here and now

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.

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.

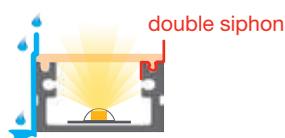
The “double siphon” prevents water and humidity from entering the profile and therefore protects the led from possible condensation and humidity deriving from bathrooms, kitchens, spas, gyms, etc and so extends the working lifespan of the product.

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

(10) 

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

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Dispositif d'éclairage linéaire

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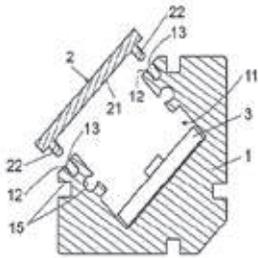
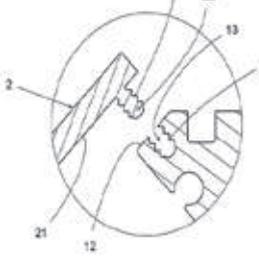
(73) Proprietor: Tellez Lopez, Ricardo
08420 Barcelona (ES)

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

(74) Representative: Pons Arfio, Angel
Pons Patentes y Marcas Internacional, S.L.
Glòria de Rubén Darío 4
28019 Madrid (ES)

(56) References cited:
DE-41-202011 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).

Fotosty Javis 7001 (P&S) FR

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.

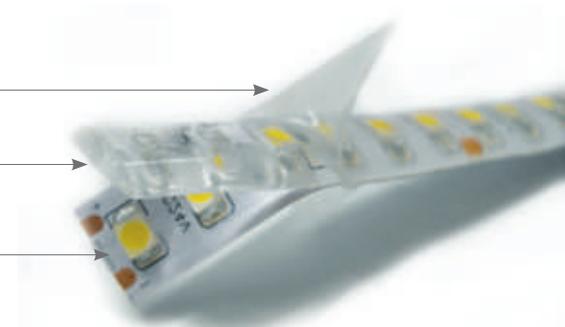
The humidity enters between the IPC and the silicone.

Innovation
■ made
■ in
■ Spain

"DUO" System which surrounds the led strip 360°

Silicone 180°

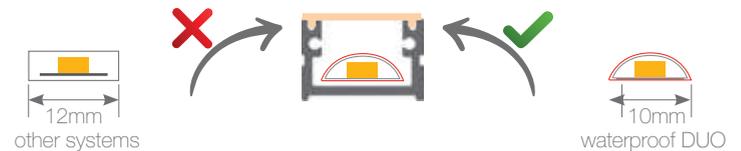
PCB with assembled ledS



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



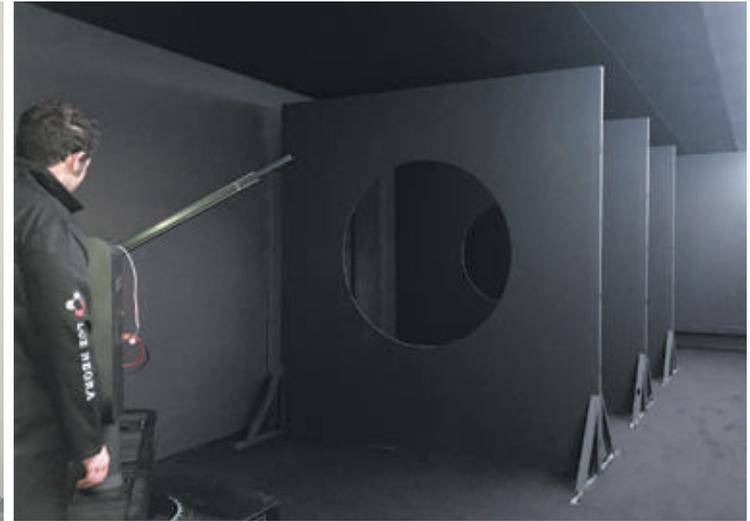
Flexible led strip with "waterproof DUO" IP67



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**.

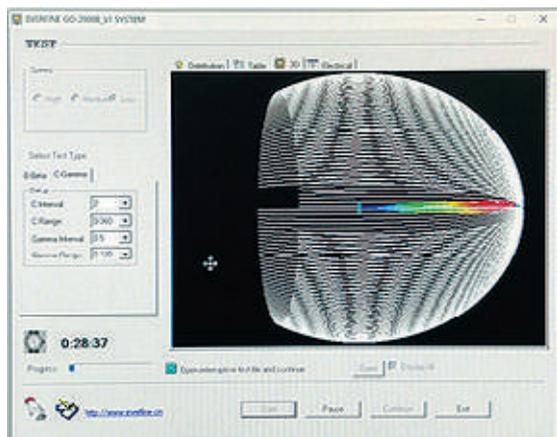
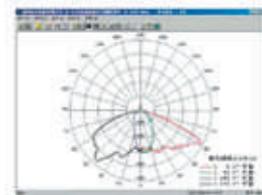
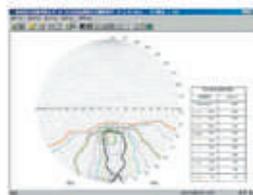
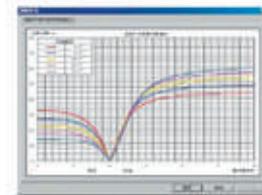
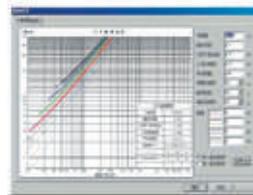
This allows us to be 100% self-sufficient when it comes to carrying out rigorous controls related to quality and lighting calculations.

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

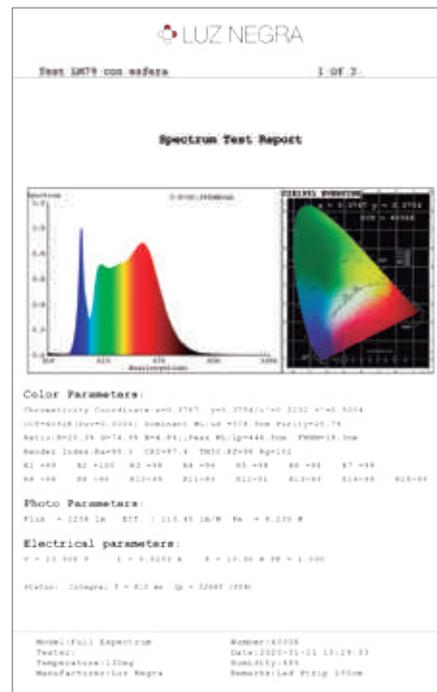
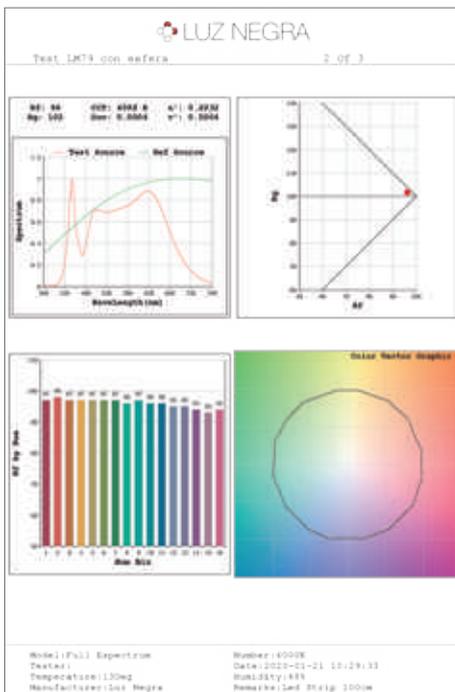


National Voluntary Laboratory Accreditation Program

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

Quality control

Salt spray chamber (corrosion tester)



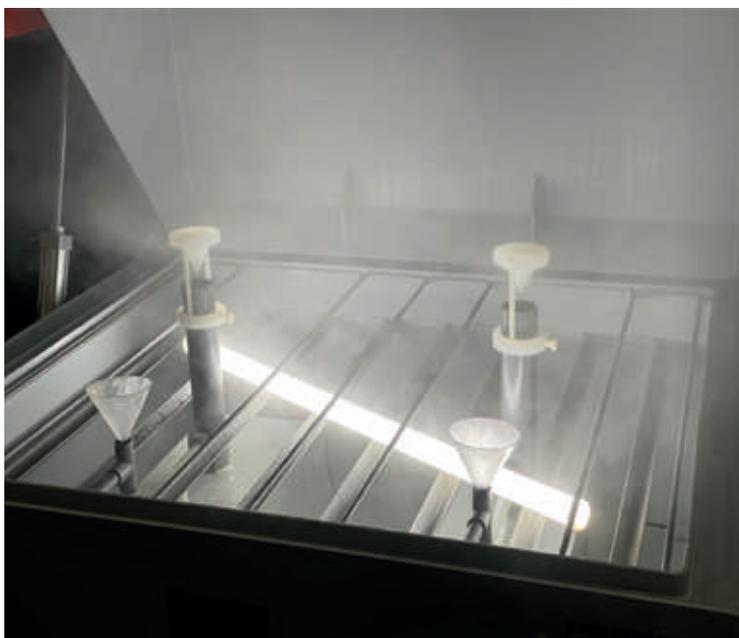
We carry out very rigorous quality control tests on our products with this machinery. Our products and finished luminaires are exposed not only to constant vapour but also to high levels of salinity in order to determine qualitative resistance to corrosive attack on the product's surface.

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°C and above 125°C .

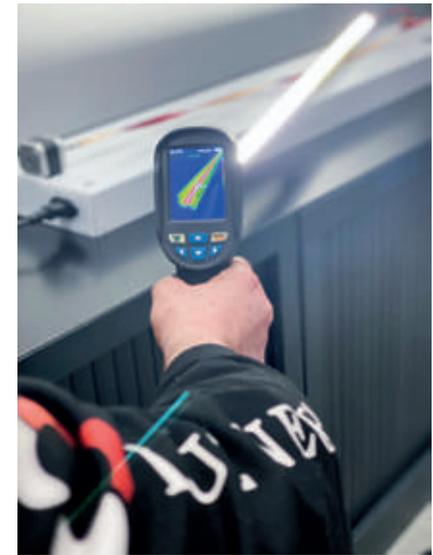
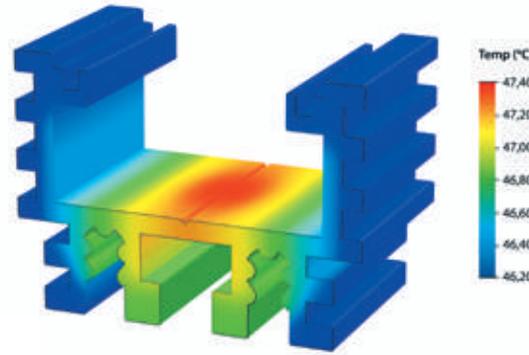
These sudden changes of temperature in very short periods of time (thermal shock) exert on the products some dilations and contractions that only first quality raw materials are able to withstand.

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).



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.

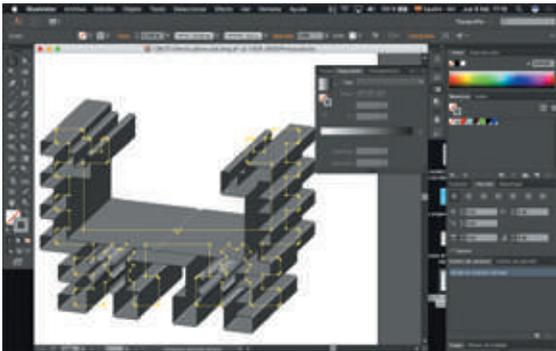
At Luz Negra we design and manufacture completely personalised profiles for specific jobs and projects.

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.

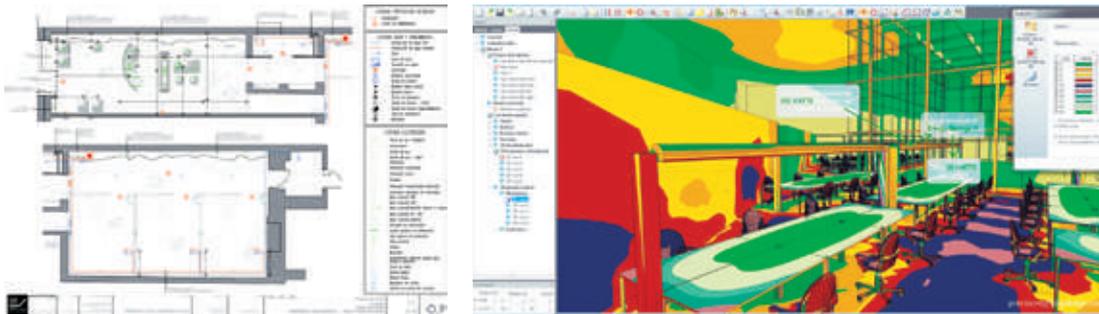
The prototypes can be made with measurements of up to 210x210x205mm and in materials such as PLA, ABS, Nylon, HIPS (high impact polystyrene) and WOOD (a mixture of PLA and wood fibre).

Your project in good hands



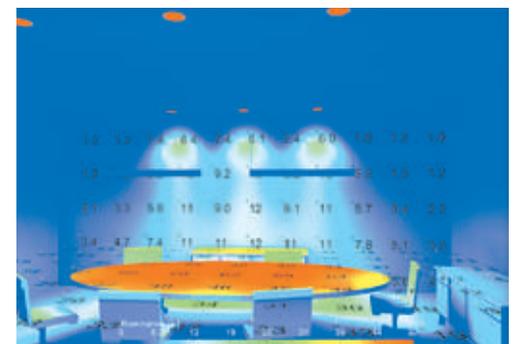
Here at Luz Negra our professional team is available to help our clients develop their projects, whether they are small or big, meaning that both our projects and commercial departments work together to get the desired result.

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

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Index for led profile (newly added items)

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

Angular led profiles



AMSTERDAM
MINI

"easy-ON" IP65	x
Maximum length (m)	1
Stock in factory	■
Dimensions (L-H)	11.8x13.4
Guarantee (years)	2
Colours	■ □
PAGE	91A

Led profiles for walls



TALLIN

"easy-ON" IP65	x
Maximum length (m)	3
Stock in factory	■
Dimensions (L-H)	50x29.4
Guarantee (years)	2
Colours	□
PAGE	149A

Led profiles for signage



BONN

"easy-ON" IP65	x
Maximum length (m)	1
Stock in factory	■
Dimensions (L-H)	22x133.5
Guarantee (years)	5
Colours	■
PAGE	161A

Circular hanging led profiles



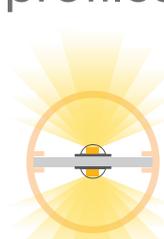
VIENA

"easy-ON" IP65	x
Maximum length (m)	2
Stock in factory	■
Dimensions (L-H)	27x45
Guarantee (years)	5
Colours	■ □
PAGE	103A



OSLO MINI

"easy-ON" IP65	x
Maximum length (m)	3
Stock in factory	■
Dimensions (L-H)	25x25
Guarantee (years)	2
Colours	□
PAGE	103B



OSLO DOBLE

"easy-ON" IP65	x
Maximum length (m)	3
Stock in factory	■
Dimensions (L-H)	31x29
Guarantee (years)	2
Colours	■
PAGE	103C



OSLO 40

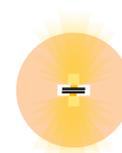
"easy-ON" IP65	x
Maximum length (m)	3
Stock in factory	■
Dimensions (L-H)	40x40
Guarantee (years)	2
Colours	■
PAGE	103D

Silicone led profiles



NEÓN EASY

"easy-ON" IP65	x
Maximum length (m)	50
Stock in factory	■
Dimensions (L-H)	16x20
Guarantee (years)	2
Colours	□
PAGE	186A



NEÓN 360°

"easy-ON" IP65	x
Maximum length (m)	5
Stock in factory	■
Dimensions (L-H)	25x25
Guarantee (years)	2
Colours	□
PAGE	186B



NEÓN SLIM

"easy-ON" IP65	x
Maximum length (m)	50
Stock in factory	■
Dimensions (L-H)	5x13
Guarantee (years)	2
Colours	□
PAGE	186D



NEÓN CUADRADO XL

"easy-ON" IP65	x
Maximum length (m)	100
Stock in factory	■
Dimensions (L-H)	12x12
Guarantee (years)	2
Colours	□
PAGE	186E



NEÓN LAS VEGAS EASY

"easy-ON" IP65	x
Maximum length (m)	100
Stock in factory	■
Dimensions (L-H)	23x12
Guarantee (years)	2
Colours	□
PAGE	186F

Index for led profile (newly added items)

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

Big profiles for hanging and surfaces

	KRAKOVIA WITH REFLECTOR AND OPTIC	LOLA	RICARDO	PACO	ANTONIO	CARMEN	KAZÁN
"easy-ON" IP65	x	x	x	√	√	√	x
Maximum length. (m)	3.4	6	6	6	6	6	6
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	58x68	87x39.9	87.7x43.1	90x100	90x90	110x90	125x39
Guarantee (years)	2	10	10	10	10	10	2
Colours	■ □	■ □ ■ ■ ■ ■ ■ ■	■ □ ■ ■ ■ ■ ■ ■	■ □ ■ ■ ■ ■ ■ ■	■ □ ■ ■ ■ ■ ■ ■	■ □ ■ ■ ■ ■ ■ ■	■ □ ■ ■ ■ ■ ■ ■
PAGE	211A	211E	211G	211I	211K	211M	211C

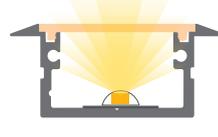
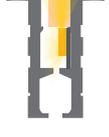
Big profiles for embedding

	GALES WITH REFLECTOR AND OPTIC	KIEV	SIDNEY
"easy-ON" IP65	x	√	x
Maximum length (m)	2	6	2,5
Stock in factory	■	■	■
Dimensions (L-H)	77x68	45x56.5	13x45
Guarantee (years)	2	10	2
Colours	■ □	■ □	■ □
PAGE	227A	227C	227E

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	■	■	■	■	■	■	■
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	■ ■	■ ■ □	■ □	■ ■ □	■ ■ □	■ □	■
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	■	■	■	■	■	■	■	■
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	■	■	■	■	■ □	■ ■ □	■ ■ □	■ ■
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

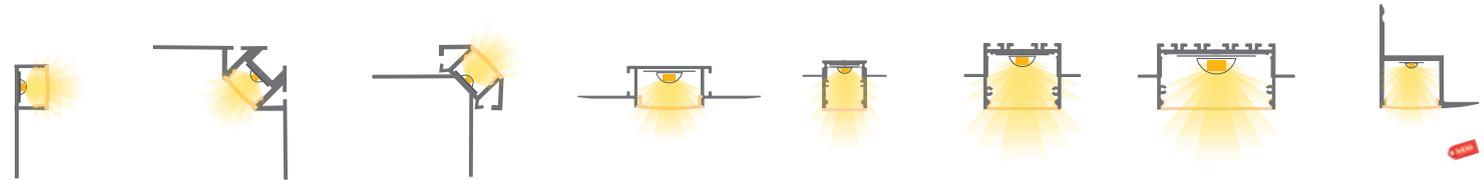
										
	DETROIT	NEW YORK MINI	HARMONY XS	HARMONY	TENNESSEE	MILANO SLIM	MILANO	CALIFORNIA	CALIFORNIA XL	TORINO
"easy-ON" IP65	x	x	x	x	x	√	√	x	x	x
Maximum length (m)	2	3	3	3	2	6	6	6	3	6
Stock in factory	■	■	■	■	■	■	■	■	■	■
Dimensions (L-H)	8x7.7	7.6x9	11x4.5	18x5.7	12x8	16x4.05	16x7	17x8	23.5x9.8	18x14
Guarantee (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	MONTERREY
"easy-ON" IP65	√	√	x	√	x	√	x	x	x
Maximum length (m)	6	6	6	6	2	6	1	3	1,18
Stock in factory	■	■	■	■	■	■	■	■	■
Dimensions (L-H)	16x11	20.4x11.5	17x14.5	20.4x19.8	40x16	26.5x19.2	6.1x25	25x25	30x40
Guarantee (years)	10	10	2	10	2	10	2	2	2
Colours	■ ■ □	■ ■ □	■ □	■ ■	□	■ ■	■	□	□
PAGE	48	52	50	54	65	56	58	66	67

Index for led profile applications

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

Architectural led profiles



ALASKA

BALTIMORE

PORTLAND

MONTANA

BUDAPEST

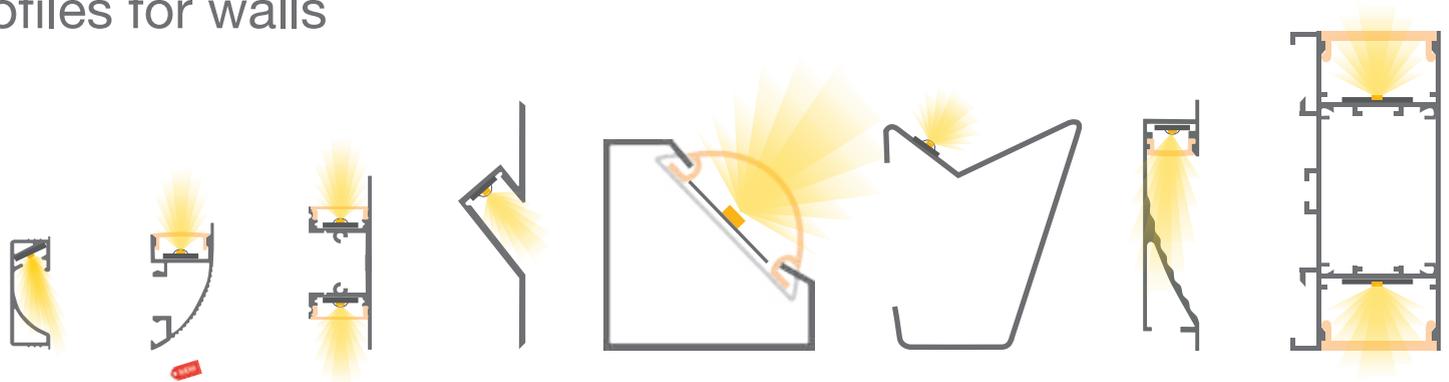
BELFAST

PRAGA

KANSAS

"easy-ON" IP65	x	x	x	x	x	x	x	x
Maximum length (m)	3	3	3	2	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	45x46.7
Guarantee (years)	2	2	2	2	2	2	2	2
Colours	■	■	■	■	□	□	□	■
PAGE	131	133	132	130	128	127	126	129

Led profiles for walls



BURDEOS

GALICIA

KENTUCKY

CLEVELAND

MONACO

VENEZIA

ATLANTA SLIM

WASHINGTON

"easy-ON" IP65	x	x	x	x	x	x	x	x
Maximum length (m)	2.6	3	3	3	2	2	3	3
Stock in factory	■	■	■	■	■	■	■	■
Dimensions (L-H)	11.3x32	18x32.5	17.3x49.5	19.4x70.2	55x55	56x65	15.8x71	42.3x90
Guarantee (years)	2	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

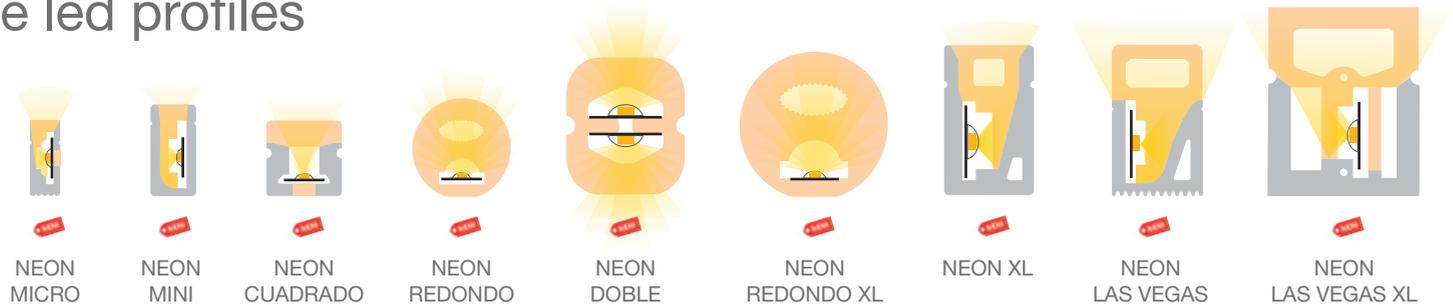


	PLETINA	A03	MONTECARLO	COLONIA	PLEXILED SLIM	PLEXILED
"easy-ON" IP65	x	x	x	x	x	x
Maximum length (m)	1	6	6	3	3	6
Stock in factory	■	■	■	■	■	■
Dimensions (L-H)	15x3	15x20	13.3x25	40x14	40x7	76x10
Guarantee (years)	2	2	10	10	2	2
Colours	■	■ □ ■	■	■	■	■
PAGE	159	158	161	155	156	157

Index for led profile applications

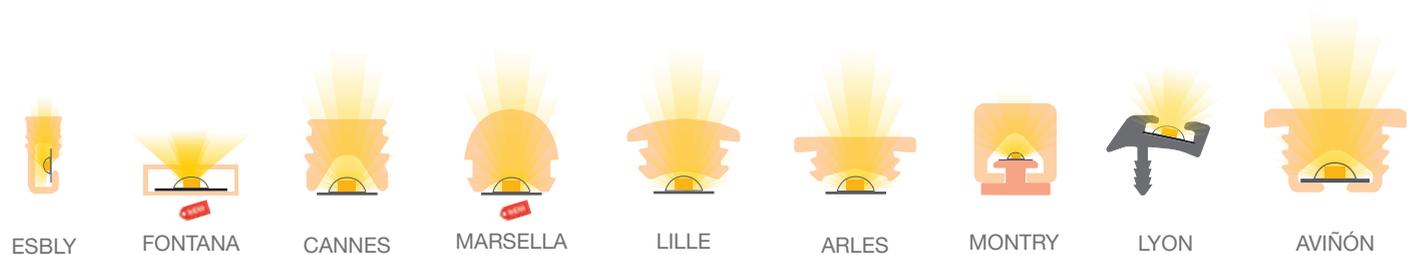
STOCK IN FACTORY
 ■ HIGH ■ MODERATE ■ ON DEMAND
 □ WHITE OPAL

Silicone led profiles



"easy-ON" IP65	x	x	x	x	x	x	x	x	x
Maximum length (m)	100	100	100	100	25	50	100	100	40
Stock in factory	■	■	■	■	■	■	■	■	■
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	□	□	□	□	□	□	□	□	□
PAGE	176	177	178	180	182	181	183	184	185

Flexible led profiles

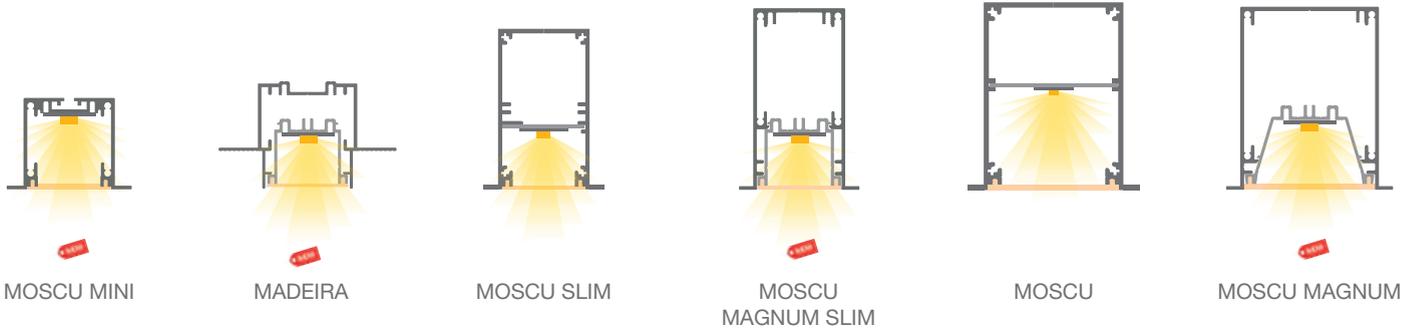


"easy-ON" IP65	x	x	x	x	x	x	x	x	x
Maximum length (m)	40	200	50	10	50	40	20	1	25
Stock in factory	■	■	■	■	■	■	■	■	■
Dimensions (L-H)	7x15	12.5x4	10x9.5	12x10	13x6.7	21.8x8.4	16.6x15.5	16x16.5	21.1x13
Guarantee (years)	2	2	2	2	2	2	2	2	2
Colours	□	transparent	□	8 colours	□	□	□	■	□
PAGE	170	186	170	170	170	170	170	172	170

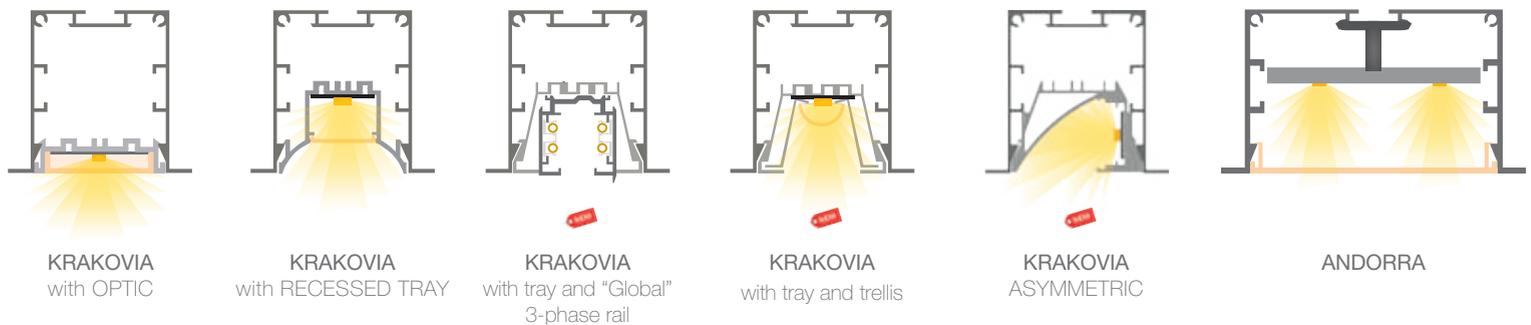
Index for led profile applications

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

Big profiles for embedding



	MOSCU MINI	MADEIRA	MOSCU SLIM	MOSCU MAGNUM SLIM	MOSCU	MOSCU MAGNUM
"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

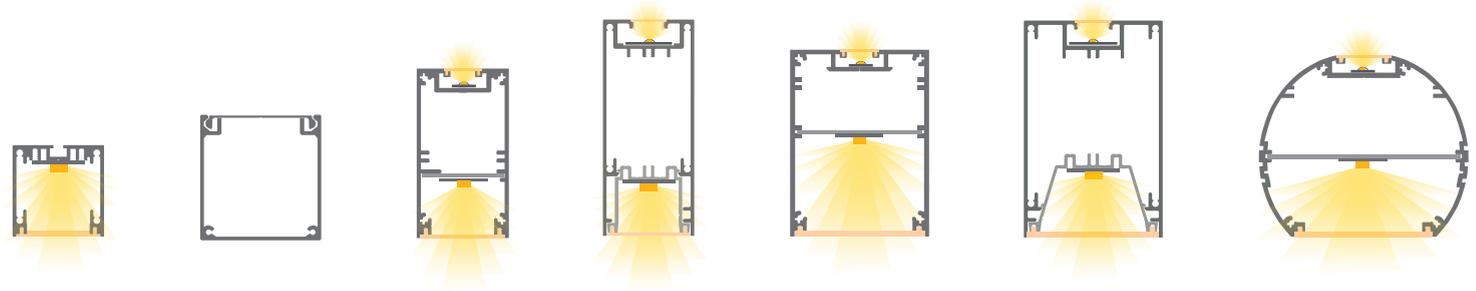


	KRAKOVIA with OPTIC	KRAKOVIA with RECESSED TRAY	KRAKOVIA with tray and "Global" 3-phase rail	KRAKOVIA with tray and trellis	KRAKOVIA ASYMMETRIC	ANDORRA
"easy-ON" IP65	x	x	x	x	x	x
Maximum length (m)	3.4	3.4	3.4	3.4	3.4	3.4
Stock in factory	■	■	■	■	■	■
Dimensions (L-H)	77x68	77x68	77x68	77x68	77x68	126x68
Guarantee (years)	2	2	2	2	2	2
Colours	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □
PAGE	222	223	224	225	226	227

Index for led profile applications

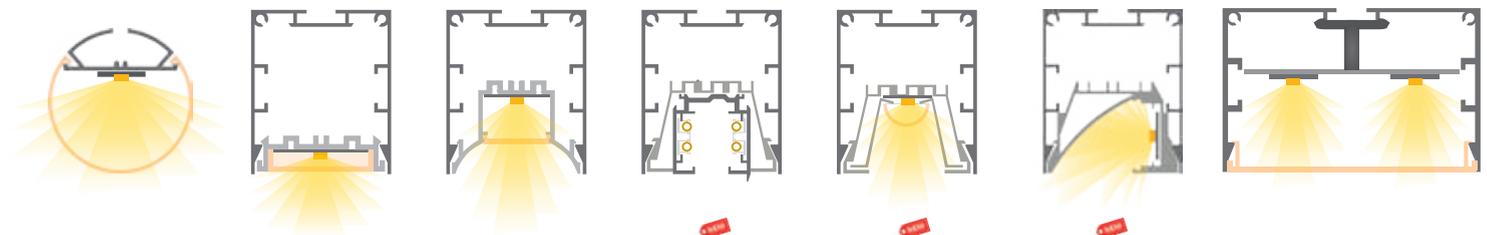
STOCK IN FACTORY
 ■ HIGH ■ MODERATE ■ ON DEMAND
 ■ SILVER ANODISED ■ BLACK LACQUERED □ WHITE LACQUERED

Big profiles for hanging and surfaces



MUNICH MINI BOX MUNICH SLIM MUNICH MAGNUM SLIM MUNICH MUNICH MAGNUM SICILIA

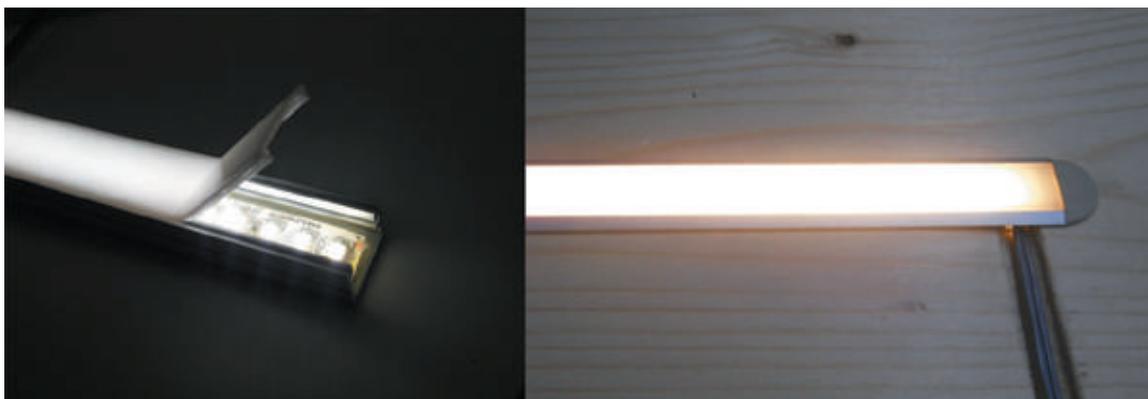
"easy-ON" IP65	✓	x	✓	✓	✓	✓	✓
Maximum length (m)	6	4	6	6	6	6	6
Stock in factory	■	■	■	■	■	■	■
Dimensions (L-H)	38x38	50x52	38x70.1	38x90	58x78	57.6x90	87x75.31
Guarantee (years)	10	2	10	10	10	10	10
Colours	■ □ ■	■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■
PAGE	192	202	198	194	200	196	208



HOUSTON GALES with OPTIC GALES with RECESSED TRAY GALES with tray and "Global" 3-phase rail GALES with tray and trellis GALES ASYMMETRIC BRUSELAS

"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	■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □ ■	■ □
PAGE	210	203	206	204	205	207	211

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 180000m² month.



Billet in the press



Profile extrusion process



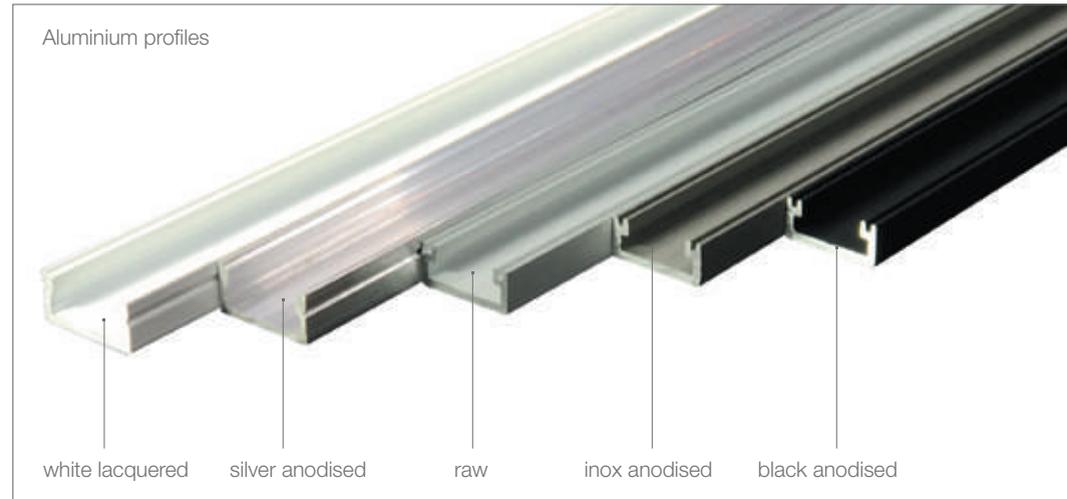
Profile anodising process

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



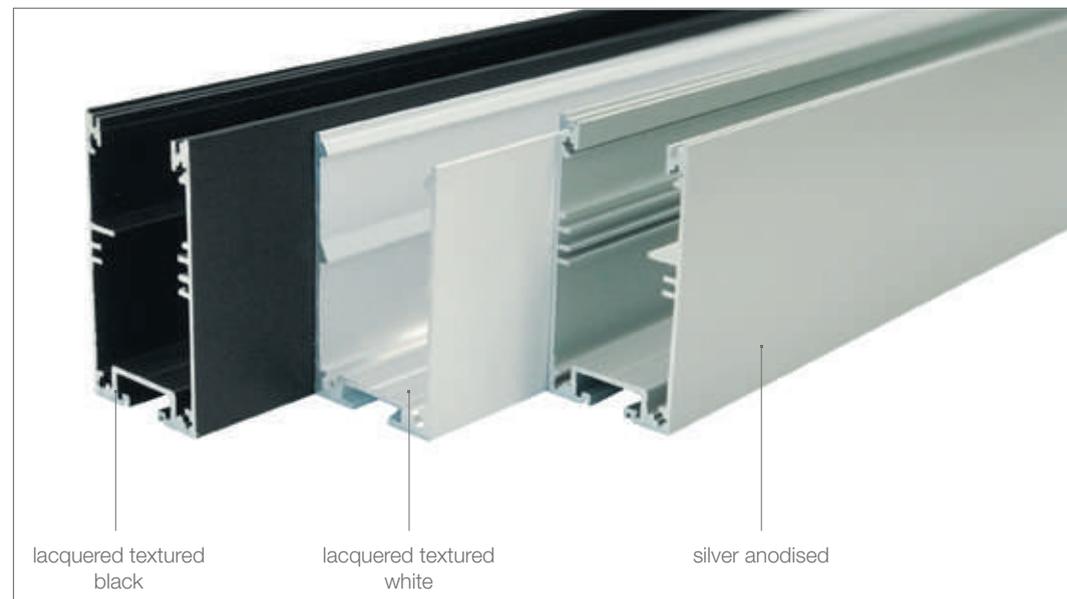
Special anodising can be carried out
on demand, where the standard is
normally silver / inox / black

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



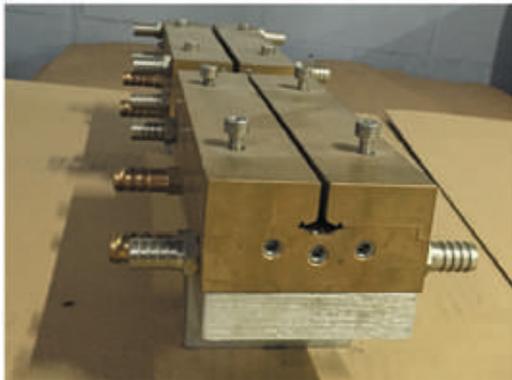
Cover matrix



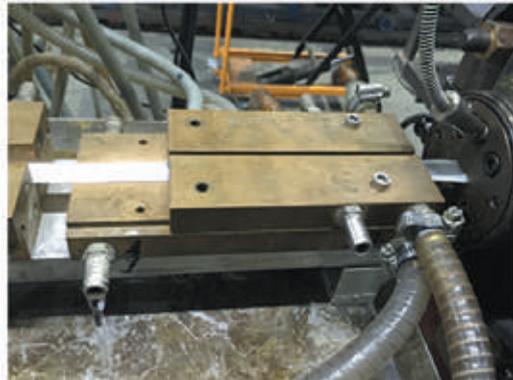
“easy-ON” cover

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).

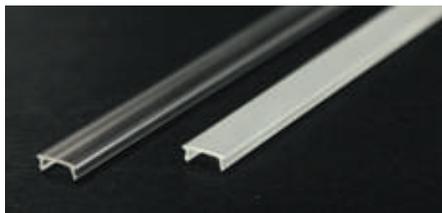
“easy-ON” treadable IK10 cover: equipped with UV filters which make the profile suitable for outdoor use, their resistance is also strong enough to endure the weight of a car running over the profile.

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



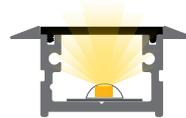
MILANO
See page 44



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”)

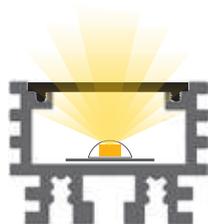
Scale 1:1



ROMA XL
See page 52



BERLIN XL
See page 74



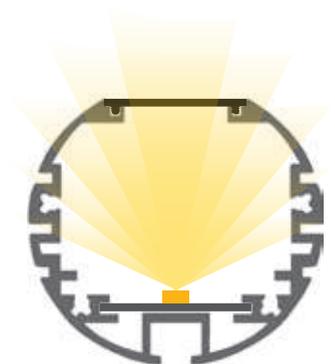
INFERNO
See page 56



VERSALLES
See page 54



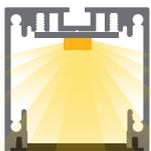
SOPHIA XL
See page 84



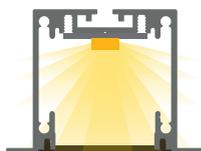
PARIS XL
See page 100

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

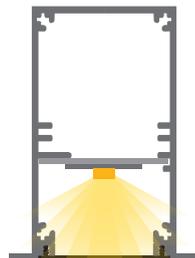
Scale 1:0.5



MUNICH MINI
See page 192



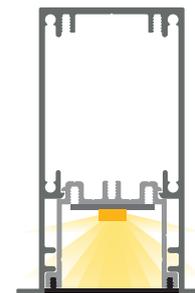
MOSCU MINI
See page 214



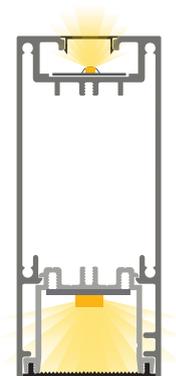
MOSCU SLIM
See page 220



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)

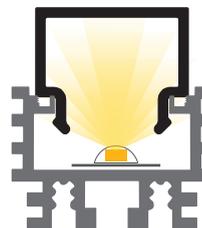
Scale 1:1



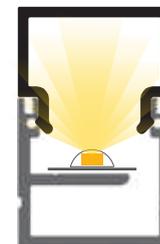
ROMA XL
See page 52



BERLIN XL
See page 74



INFERNO
See page 56



VERSALLES
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.

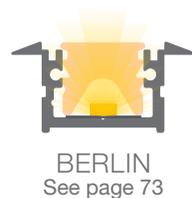
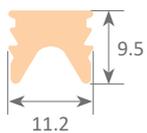


With our new Flex&Cover cover we achieve an improved dots free effect.

CANNES

11.006 white

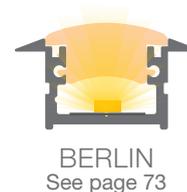
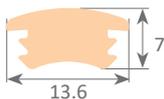
Compatible with:



LILLE

11.008 white

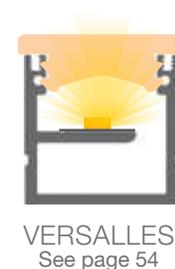
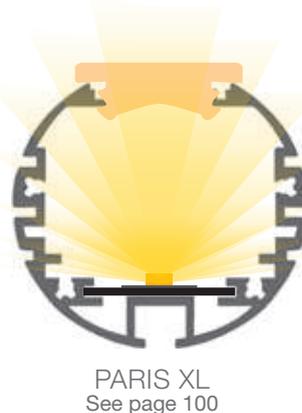
Compatible with:



ARLES

11.010 white

Compatible with:



Covers and finishes for led profile

Marsella Flex&Cover

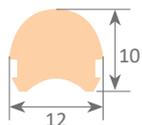
Marsella is a plastic cover for indoor use, available in 8 colours. This cover can be used with 6 led profiles and is also suitable for furniture, milled woods or plasterboard.

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:



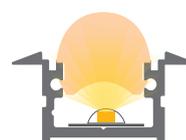
MILANO
See page 44



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



MILANO
44



CALIFORNIA
46



CALIFORNIA XL
47



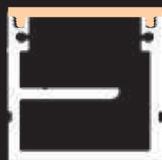
ROMA
48



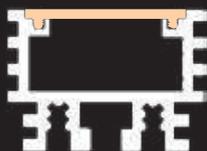
NEW YORK
50



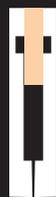
ROMA XL
52



VERSAILLES
54



INFERNO
56



CHICAGO
58



TORINO
60



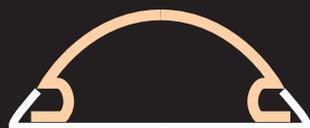
DETROIT
62



TENNESSEE
63



NEW YORK
MINI
64



BERNA
65



VISBY
66



MONTERREY
67

led profile by Luz Negra

MILANO



IP65



Our PROFESSIONAL led profile series for surfaces (only 7mm high) is manufactured in high purity anodised in silver, black and textured white lacquered (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.

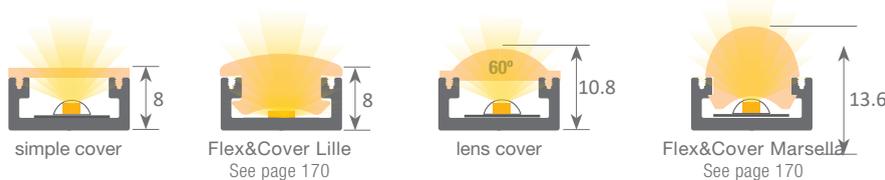
This can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, and others.

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.

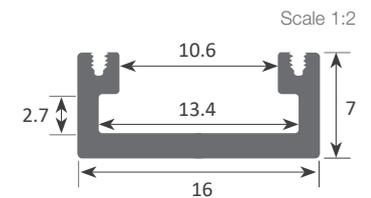
It is suitable for led strips with a maximum length of 12mm, whose power level does not exceed 20W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of our opal cover with Canovelles-Barcelona-Gomera-COB ecoled strips.

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

Scale 1:1



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
01.024	white lacquered	2m
01.004	anodised silver	6m
01.005	anodised black	6m
01.023	white lacquered	6m



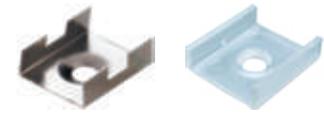
Plastic endcaps

19.001	grey without hole
19.002	grey with hole
19.003	black without hole
19.004	black with hole
19.449	black with hole
19.450	black without 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
20.066	transparent plastic



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
18.134	frosted	60m

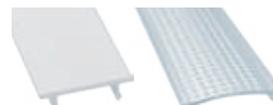


Black&White cover "easy-ON"

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

18.140	frosted	2m
18.139	frosted	6m

*Only for WHITE profile

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	6m



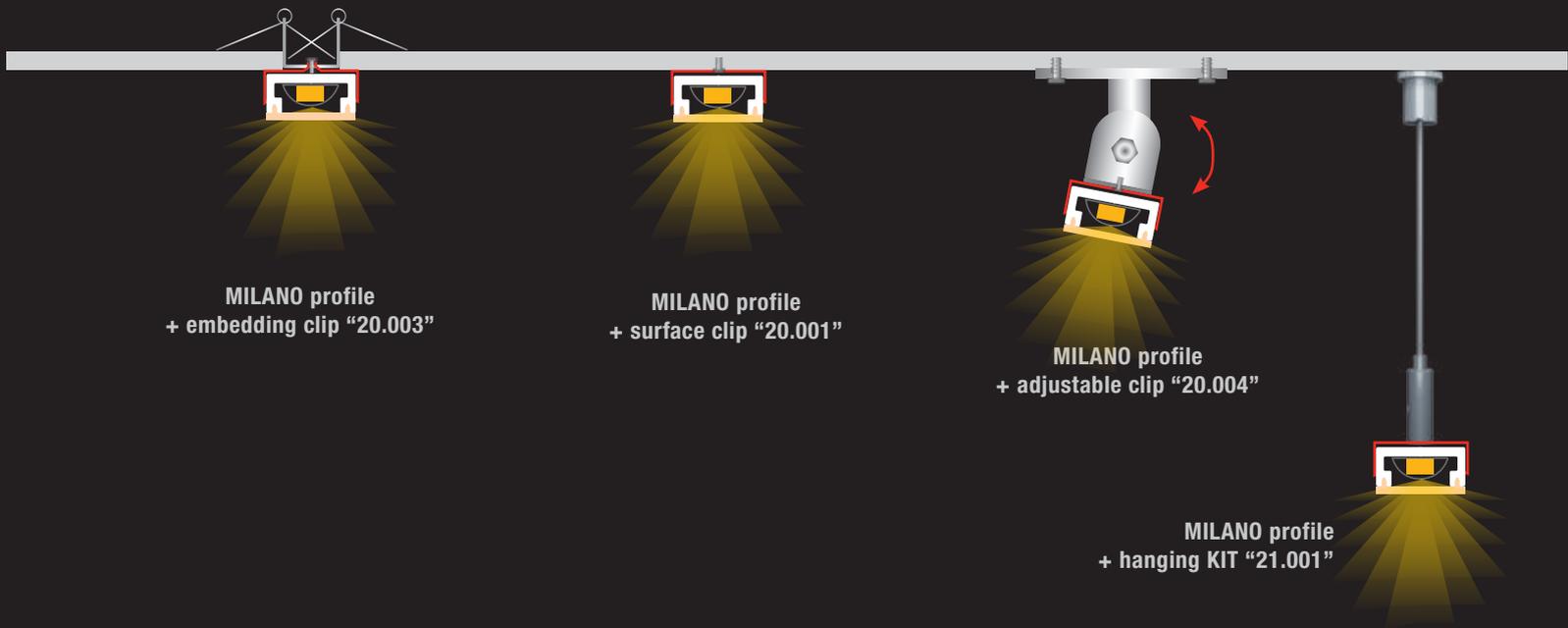
New flexible Slim Milano

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 chrome 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, black 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



Aluminium profile

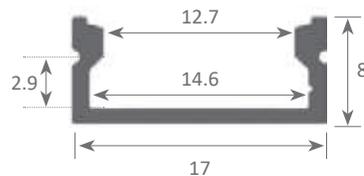
01.007	anodised silver	2m
01.008	white lacquered	2m
01.009	raw	2m
01.022	black lacquered	2m
01.010	anodised silver	6m
01.011	white lacquered	6m
01.012	raw	6m
01.021	black lacquered	6m



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m

Scale 1:2



Plastic endcaps

19.007	white with hole
19.008	white without hole
19.009	grey with hole
19.010	grey without hole
19.439	black with hole
19.440	black without hole



Methacrylate cover

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



Clip

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



Embedding clip

20.003	chrome steel
	(clip not included)



90° angle bracket

22.001	steel (52x13mm)
--------	-----------------



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.

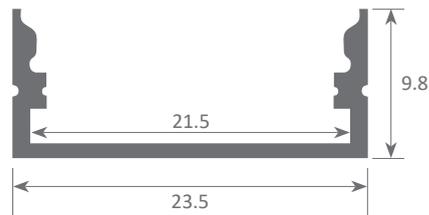
We recommend our frosted cover and ecoled strips Canovelles-Barcelona-Gomera-COB to achieve homogenous lighting and without seeing the led dots.

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

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



Polycarbonate 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 VØ

led profile by Luz Negra

Our PROFESSIONAL led profile series for surfaces (only 11mm high) is manufactured in high purity anodised in silver, black and textured white lacquered (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.

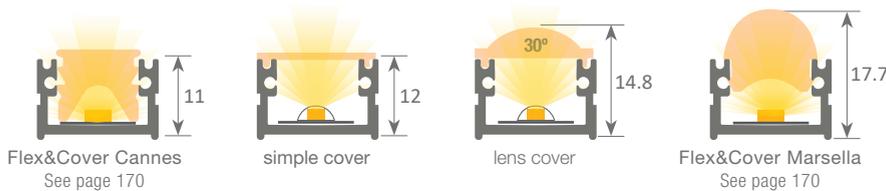
ROMA



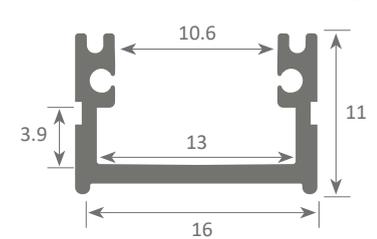
IP65



Scale 1:1



Scale 1:2



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
02.040	white textured lacquered	2m
02.004	anodised silver	6m
02.005	anodised black	6m
02.039	white textured lacquered	6m



Plastic endcaps

19.016	grey without hole
19.017	grey with hole
19.018	black without hole
19.019	black with hole
19.447	white without hole
19.448	white 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



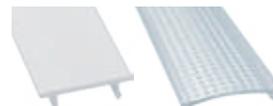
Polycarbonate cover "easy-ON"

18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m
18.134	frosted	60m



Black&White cover "easy-ON"

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



Polycarbonate cover

18.140	frosted	2m
18.139	frosted	6m

*Only for WHITE profile

Polycarbonate cover "easy-ON"

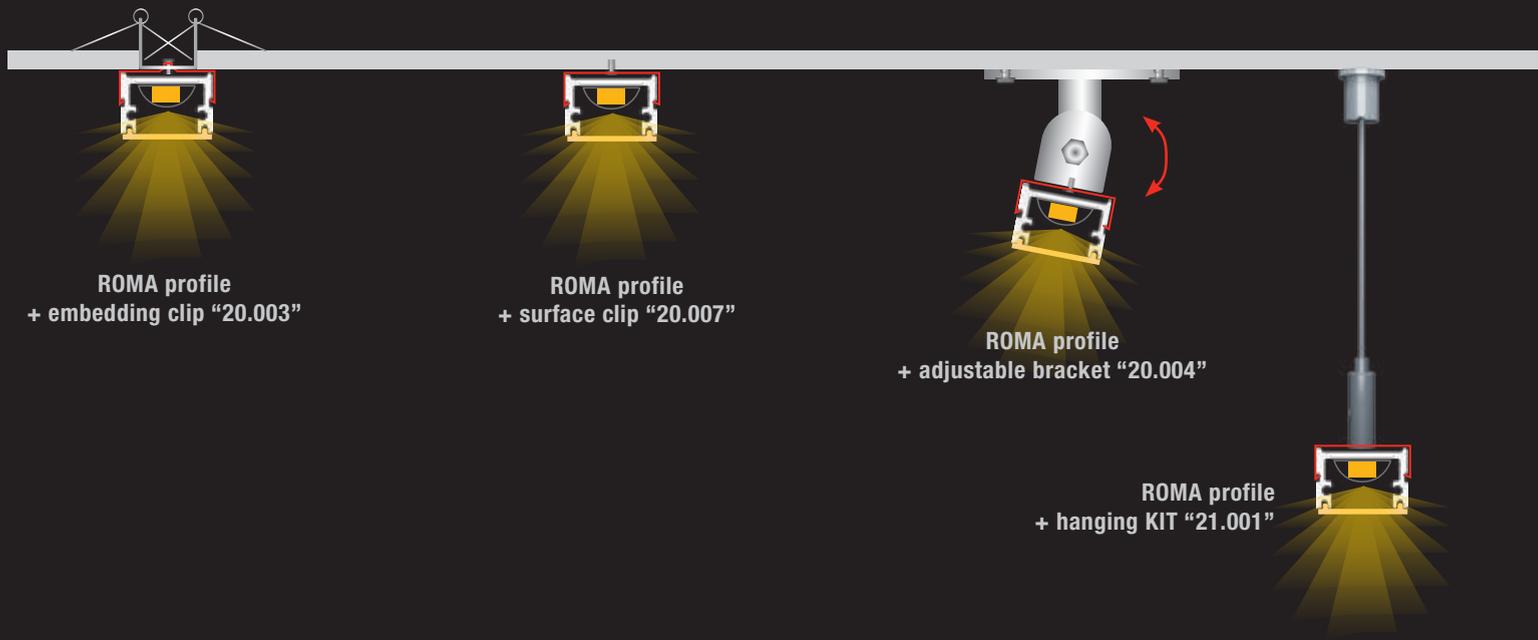
18.010	lens	2m
18.011	lens	6m

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	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



ROMA profile
+ embedding clip "20.003"

ROMA profile
+ surface clip "20.007"

ROMA profile
+ adjustable bracket "20.004"

ROMA profile
+ hanging KIT "21.001"



Embedding clip
20.003 chrome steel
(clip not included)



Adjustable bracket
20.004 chrome steel
(clip not included)



Hanging KIT
21.001 chrome 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)



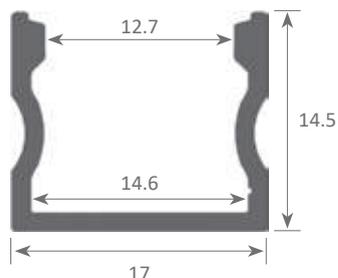
Our BASIC led profile series for surfaces is manufactured in high purity aluminium and available in anodised silver, lacquered white, lacquered black and raw aluminium (on demand we can supply different anodised and lacquered finishes). Ideal for wall surfaces, furniture, shelves and similar. Suitable 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
02.038	black lacquered	2m
02.015	anodised silver	6m
02.016	white lacquered	6m
02.017	raw	6m
02.037	black lacquered	6m

Plastic endcaps

19.030	white with hole
19.031	white without hole
19.032	grey with hole
19.033	grey without hole
19.441	black with hole
19.442	black without hole

Clip

20.005	transparent plastic
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Embedding clip

20.003	chrome steel
	(clip not included)

90° angle bracket

22.001	steel (52x13mm)
--------	-----------------



Adhesive magnet

42.001	12mm	1m
--------	------	----



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

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



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: 0.157kg / 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 aluminium and available in anodised silver, black and white lacquered. 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.

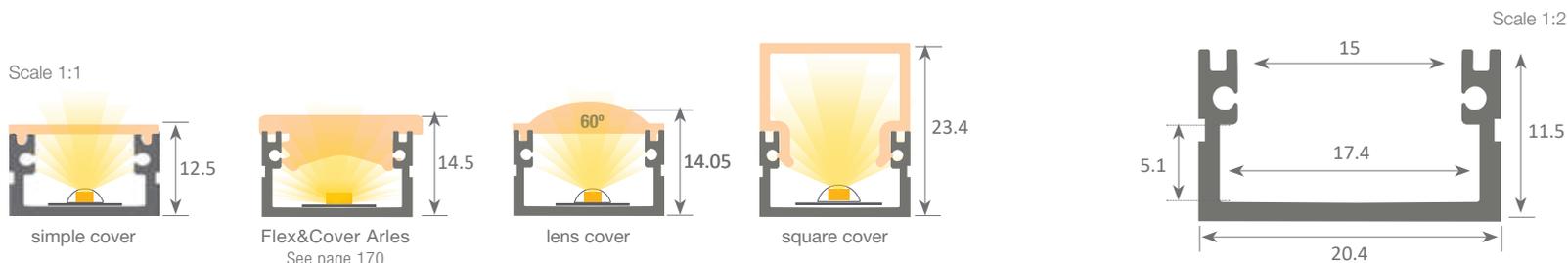
It is suitable for led strips with a maximum width of 15mm, whose power level does not exceed 35W/m. In order to obtain a more homogeneous and diffused illumination, we recommend the combined use of both our opal cover and Canovelles-Barcelona-Gomera-COB ecoled strips.

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
02.035	white lacquered	2m
02.009	anodised silver	6m
02.010	anodised black	6m
02.034	white lacquered	6m



Plastic endcaps

19.022	grey without hole
19.023	grey with hole
19.427	white without hole
19.428	white 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
18.030	lens	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m
18.031	lens	6m



Black&White cover “easy-ON”

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE XL profile



Polycarbonate cover “easy-ON”

18.130	microprism	2m
18.129	microprism	6m

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	6m

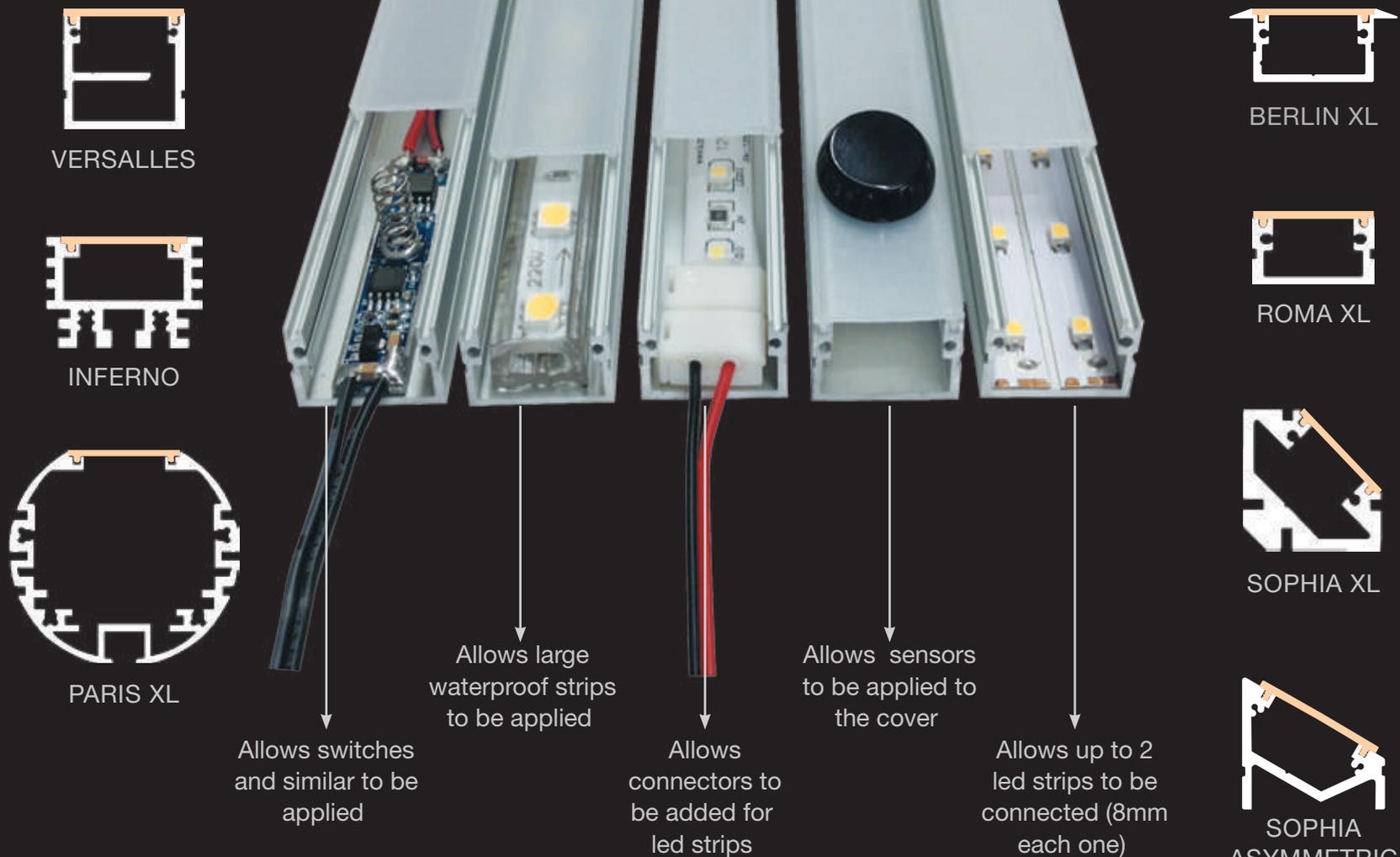


Square cover

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.



Clip
20.009 stainless steel
20.010 black oxide finish



Embedding clip
20.003 chrome steel
(clip not included)



Adjustable bracket
20.004 chrome steel
(clip not included)



Hanging KIT
21.001 chrome 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)

VERSALLES



IP65



Our PROFESSIONAL led profile series for surfaces is manufactured in high purity aluminium and available in anodised silver, black and white lacquered. 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.

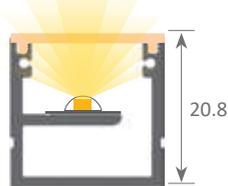
Its cover (available in 7 different finishings), which offers our "easy-ON" system, once combined with this profile provides an IP65 rating to the luminaire. It can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

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.

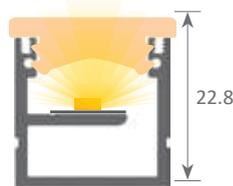
We offer a 10 year guarantee on the profiles and a 4 year guarantee on the covers.

Scale 1:1

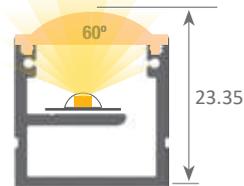
By applying the lens cover on the Versalles profile together with the flexible led strip we get a beam of 60° light.



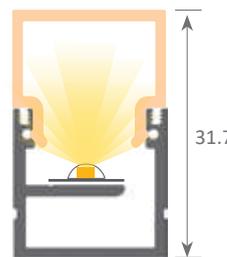
simple cover



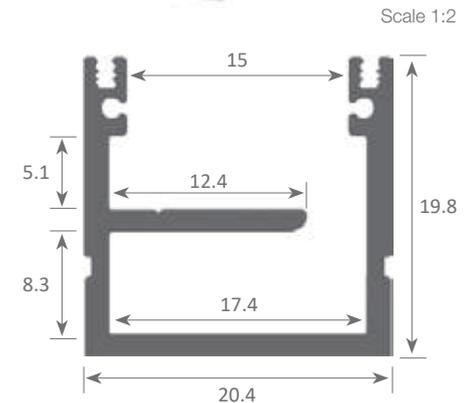
Flex&Cover Arles
See page 170



lens cover



square cover



Scale 1:2



Aluminium profile

02.018	anodised silver	2m
02.019	anodised black	2m
02.036	white lacquered	2m
02.020	anodised silver	6m
02.021	anodised black	6m
02.033	white lacquered	6m



Plastic endcaps

19.034	grey without hole
19.293	black without hole
19.429	white 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
18.030	lens	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m
18.031	lens	6m



Black&White cover "easy-ON"

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE profile



Polycarbonate cover "easy-ON"

18.130	micropism	2m
18.129	micropism	6m

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	6m



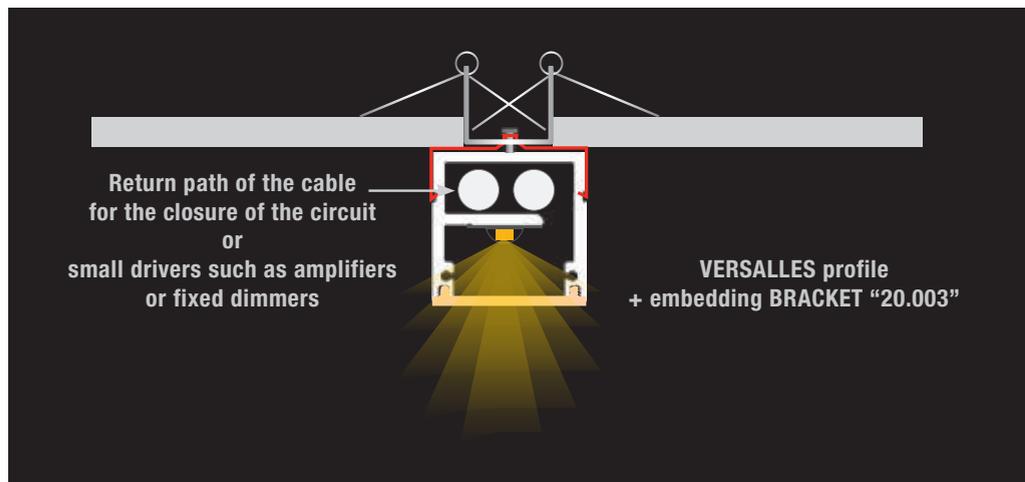
Square cover

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: 0.273kg / 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 chrome set of 2 units
21.002 white set of 2 units
21.003 black set of 2 units
(clip not included)

led profile by Luz Negra

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

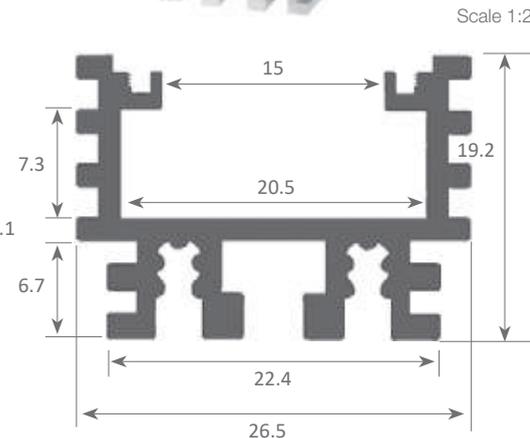
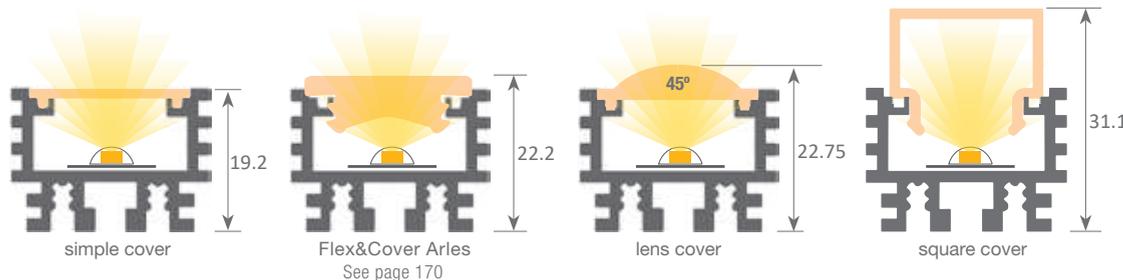


IP65



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 black 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

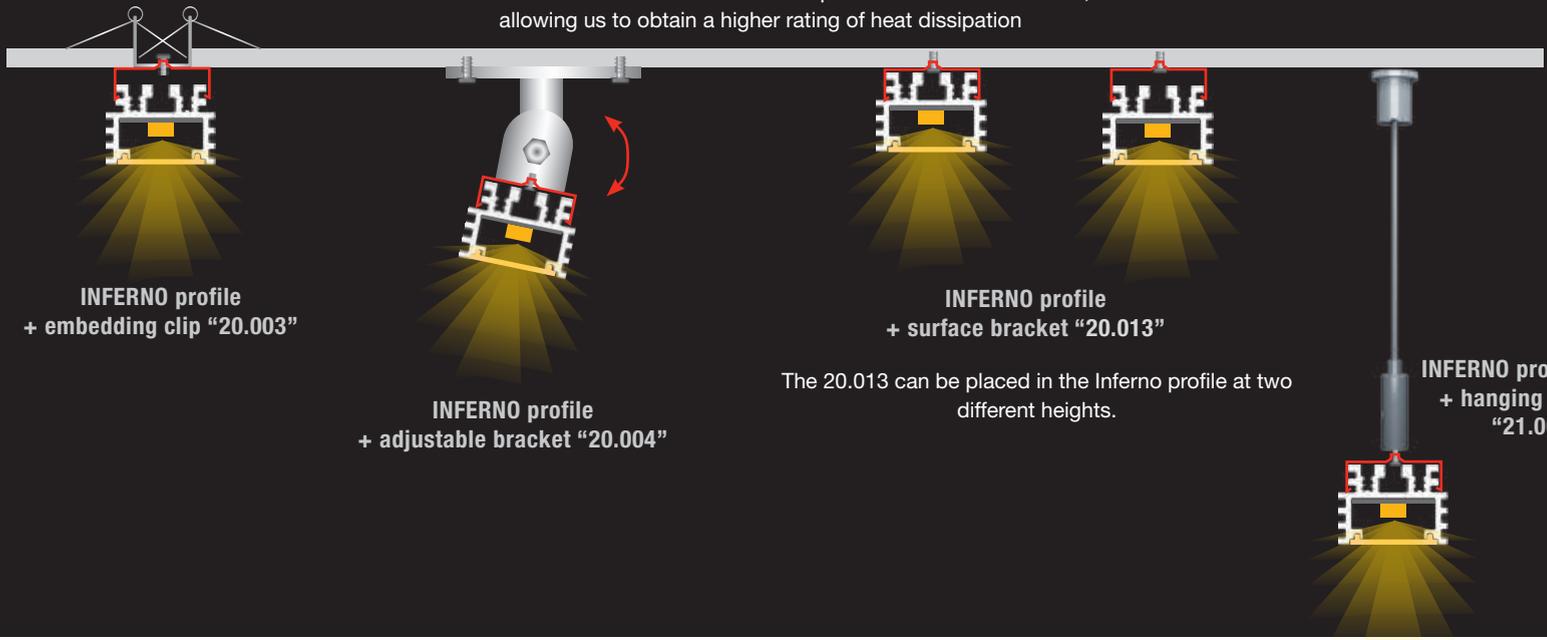
18.032	frosted	2m
18.102	Black&White	2m
18.033	frosted	6m
18.034	Black&White	6m



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
+ adjustable bracket "20.004"

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 chrome 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

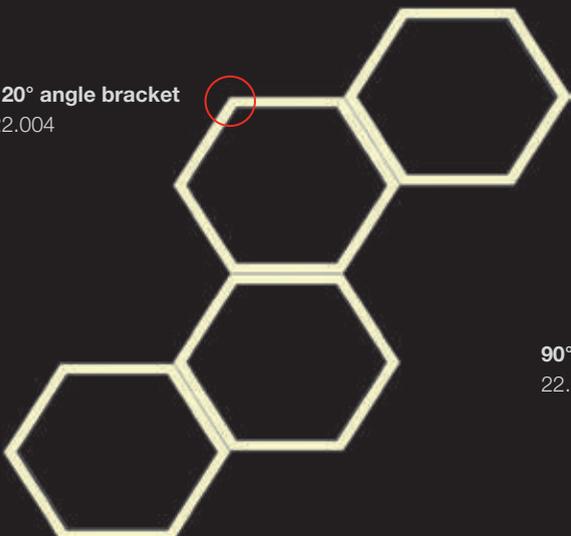


120° angle bracket
22.004 steel



Profile joint
22.005 steel

120° angle bracket
22.004



90° angle bracket
22.003



Profile joint
22.005

CHICAGO

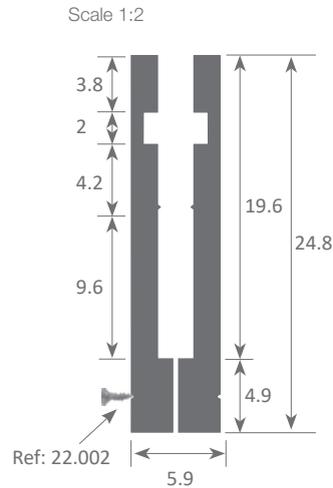
Our PROFESSIONAL led profile series is for surfaces or embedding with a width of only 6mm and manufactured in high purity aluminium and anodised in silver. The very latest in thin led profiles as the width of visible light is only 2.5mm. Its main function is for embedding in furniture and wherever we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



Scale 1:1



Aluminium profile
01.015 anodised silver 1m



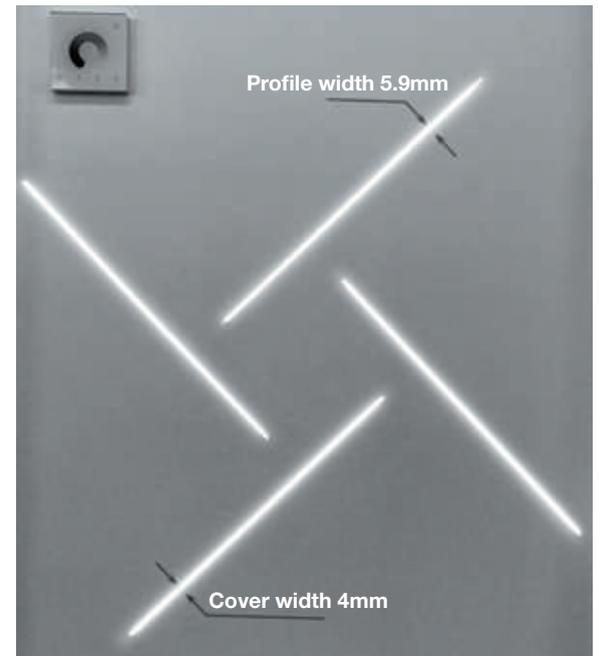
Endcaps
19.014 without hole
19.015 with hole



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)



led profile by Luz Negra

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.

TORINO

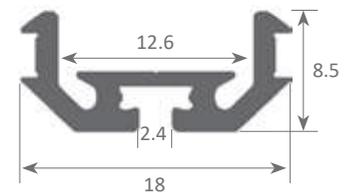
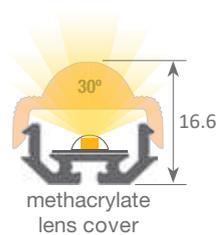
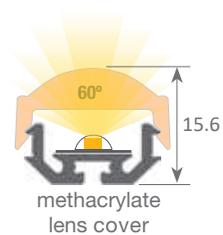
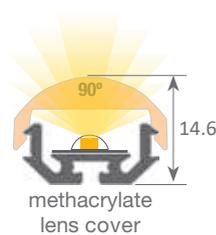
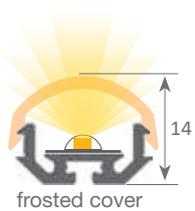


Torino with frosted cover

Torino with lens

Scale 1:2

Scale 1:1



Aluminium profile

02.026 anodised silver 2m
02.027 anodised silver 6m

Aluminium endcaps

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

Clip

20.014 transparent plastic



Methacrylate cover

18.036 30° lens 2m



Methacrylate cover

18.037 60° lens 2m



Methacrylate cover

18.038 90° lens 2m



Methacrylate cover

18.039 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: 0.154kg / Alloy: 6063 / Perimeter: 86mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

Project carried out by ESTUDI314BCN
Led profile + ecoled flexible led strips by Luz Negra



led profile by Luz Negra

DETROIT

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).

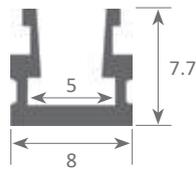
We offer 2 years guarantee on profiles and covers.



Scale 1:1



Scale 1:2



Aluminium profile

01.013 anodised silver 2m



Plastic endcaps

19.011 white with hole
19.360 gray with hole
19.332 gray without 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)

TENNESSEE

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.

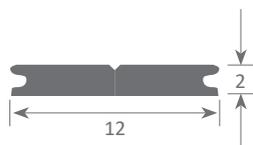
We offer a 2 year guarantee on both profiles and covers.



Scale 1:1



Scale 1:2



Aluminium profile
01.014 anodised silver 2m



Plastic integrated endcaps
19.357 gray without hole
19.358 gray with 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)

led profile by Luz Negra

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.

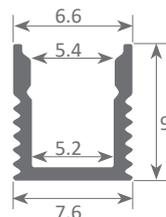
NEW YORK MINI



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



Polycarbonate cover

18.081 frosted 3m



Black&White cover

18.085 Black&White 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
Alloy: 6063 / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

led profile by Luz Negra

BERNA

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.

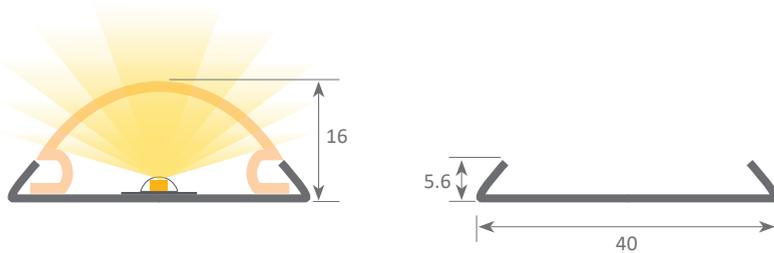
Suitable for led strips with a maximum width of 35mm and a power not greater than 35W/m. Apart from the flexible led strips, rigid ones can also be combined with this profile).

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



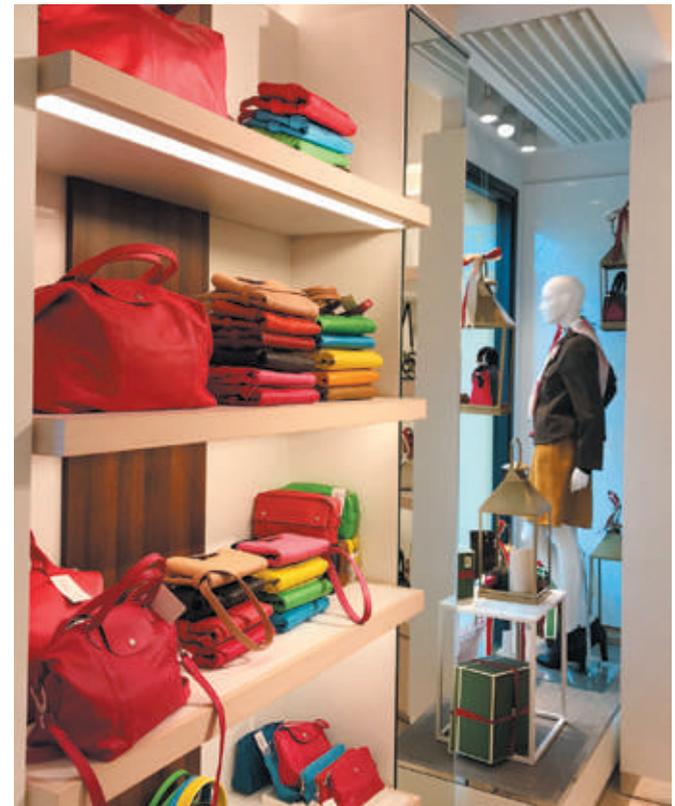
Plastic endcaps

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.

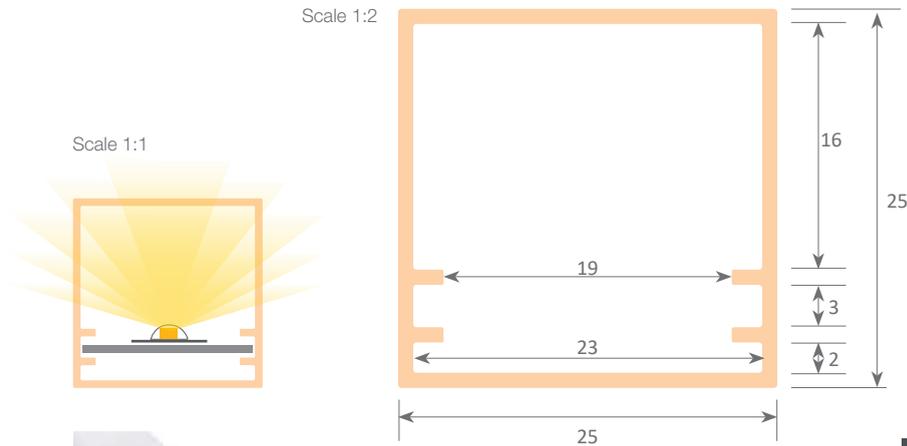
led profile by Luz Negra

VISBY

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.



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)

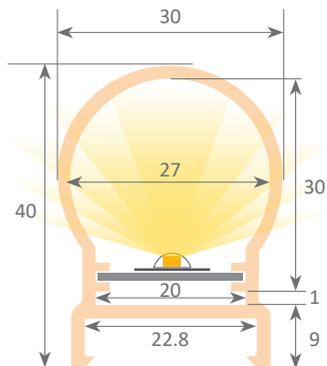
led profile by Luz Negra

MONTERREY

Our led profile PROFESSIONAL series for surface is manufactured in 6 different colours of polycarbonate. The profile is suitable for perimetral illumination and can be used in facades, buildings or similar. It is compatible with led strips with a maximum thickness of 15mm and a power not greater than 20W/m. We recommend using it with our frosted cover and our ecoled strips Canovelles-Vizcaya-Cob IP67-Castellón RGB in order to achieve a more uniform and homogeneous illumination.

We offer a 2 years guarantee.

Scale 1:1



Polycarbonate profile

08.023	yellow	118cm
08.024	orange	118cm
08.025	blue	236cm
08.026	red	236cm
08.027	green	236cm
08.028	white	236cm



Plastic endcaps

19.278	yellow
19.279	orange
19.280	blue
19.281	red
19.282	green
19.283	white



Junction

22.171	red
22.172	blue
22.173	white



Internal corner

22.177	red
22.178	blue
22.179	white



External corner

22.180	red
22.181	blue
22.182	white



Inner plate

22.014	aluminium	2m
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Clip

20.053	polycarbonate
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Silicone rubber

22.068



Joint

22.174	red
22.175	Azul
22.176	white



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)



led profiles for recessing



BOSTON

70



FRANKFURT

71



PHILADELPHIA

72



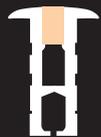
BERLIN

73



BERLIN XL

74



DALLAS

76



PHILADELPHIA
MINI

78

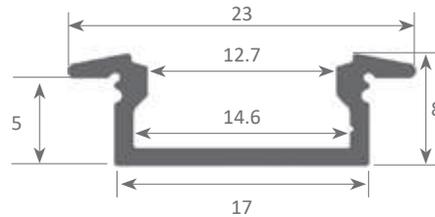
Our BASIC led profile series for recessing is manufactured in high purity aluminium and available in anodised silver, lacquered white, lacquered black and raw aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for embedding in furniture, shelves and similar. Suitable 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
03.013	black lacquered	2m
03.008	anodised silver	6m
03.009	white lacquered	6m
03.010	raw	6m
03.012	black lacquered	6m

Plastic endcaps

19.051	white with hole
19.052	white without hole
19.053	grey with hole
19.054	grey without hole
19.445	black with hole
19.446	black without hole

* California's endcaps can also be used

Clip

20.005	transparent plastic
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90° angle bracket

22.001	steel (52x13mm)
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Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m

Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
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: 0.127kg / Alloy: 6063 / Perimeter: 79mm / 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 (only 7.5mm high) is manufactured in high purity aluminium silver, black anodised and textured white lacquered. 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.

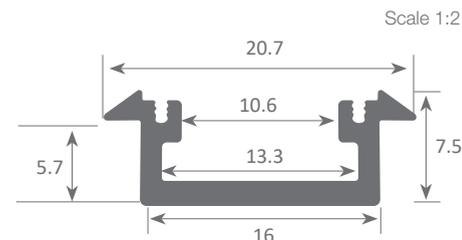
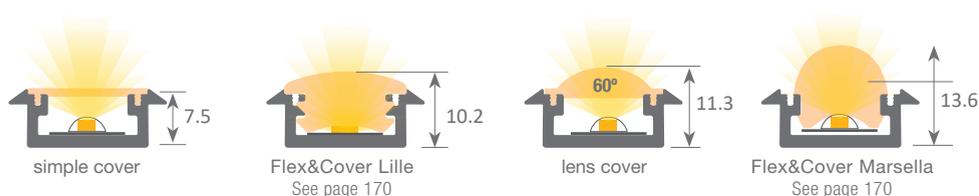
FRANKFURT



IP65



Scale 1:1



Scale 1:2

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
03.015	white lacquered	2m
03.003	anodised silver	6m
03.004	anodised black	6m
03.014	white lacquered	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
18.134	frosted	60m

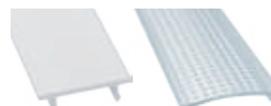


Black&White cover "easy-ON"

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

18.140	frosted	2m
18.139	frosted	6m

*Only for WHITE profile

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	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

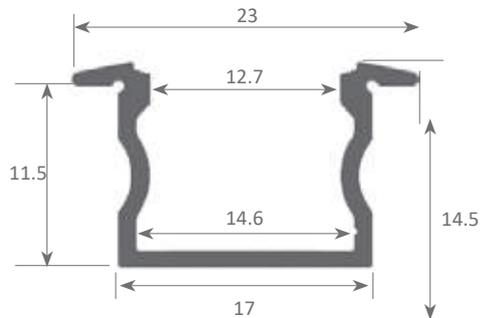
Our BASIC led profile series for recessing is manufactured in high purity aluminium and available in anodised silver, lacquered white, lacquered black and raw aluminium (on demand, we can supply different anodised and lacquered finishings). Ideal for embedding in furniture, shelving and similar, where 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 1:2



Scale 1:1



Aluminium profile

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

Plastic endcaps

19.061	white with hole
19.062	white without hole
19.063	grey with hole
19.064	grey without hole
19.443	black with hole
19.444	black without hole

Clip

20.005	transparent plastic
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Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
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: 0.176kg / 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 anodised in silver, black and textured white lacquered. 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

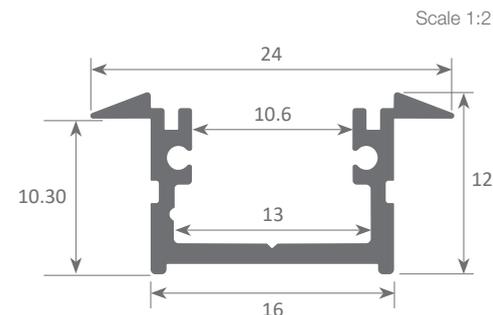
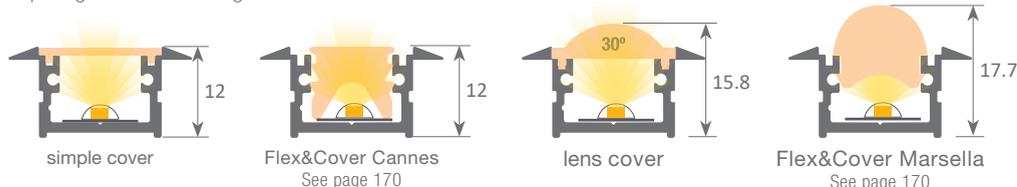


IP65



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
04.023	white lacquered	2m
04.003	anodised silver	6m
04.004	anodised black	6m
04.022	white lacquered	6m



Plastic endcaps

19.055	grey without hole
19.456	grey with hole*
19.056	black without hole
19.457	black with hole
19.459	white without hole
19.458	white with hole

*Roma endcaps can also be used



Plastic endcaps

19.057	grey for lens
19.058	black for 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
18.134	frosted	60m



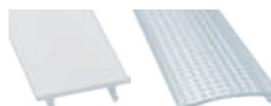
Black&White cover "easy-ON"

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

*Only for WHITE profile



Polycarbonate cover

18.140	frosted	2m
18.139	frosted	6m

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	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

led profile by Luz Negra

Our PROFESSIONAL led profile series for recessing is manufactured in high purity aluminium and available in anodised silver, black and white lacquered. 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

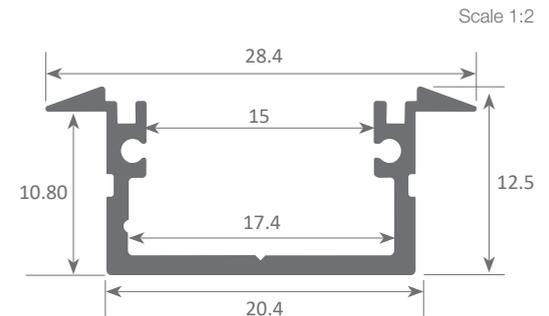
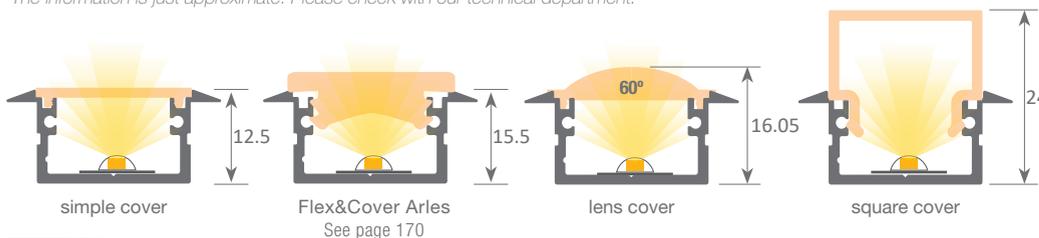


IP65



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.



Scale 1:2



Aluminium profile

04.005	anodised silver	2m
04.006	anodised black	2m
04.019	white lacquered	2m
04.007	anodised silver	6m
04.008	anodised black	6m
04.018	white lacquered	6m



Plastic endcaps

19.059	grey without hole*
19.060	grey with hole*
19.320	black with hole
19.321	black without hole
19.355	white with hole
19.354	white without hole

*Roma XL endcaps can also be used



Clip

20.009	chrome steel
20.010	black oxide finish



90° angle bracket

22.001	steel (52x13mm)
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Polycarbonate cover "easy-ON"

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



Black&White cover "easy-ON"

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE XL profile



Polycarbonate cover "easy-ON"

18.130	microprism	2m
18.129	microprism	6m

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	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: 0.187kg / Alloy: 6063 / Perimeter: 120mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



led profile by Luz Negra

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.

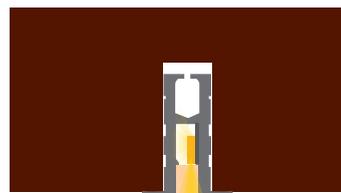
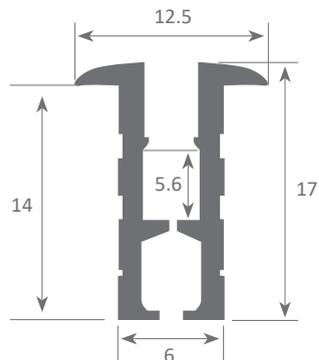
It is an elegant and unique design only suitable for very thin side light led strips and we therefore recommend combining it with our Getafe ecoled strip.

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

Scale 1:1



Scale 1:2



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)



led profile by Luz Negra

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 Cíes ecoled strips.

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

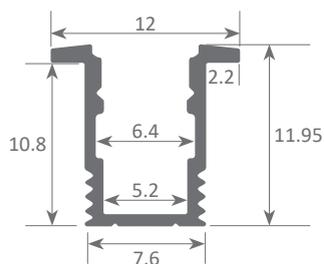
PHILADELPHIA MINI



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



Polycarbonate cover

18.081 frosted 3m



Black&White cover

18.085 Black&White 3m



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



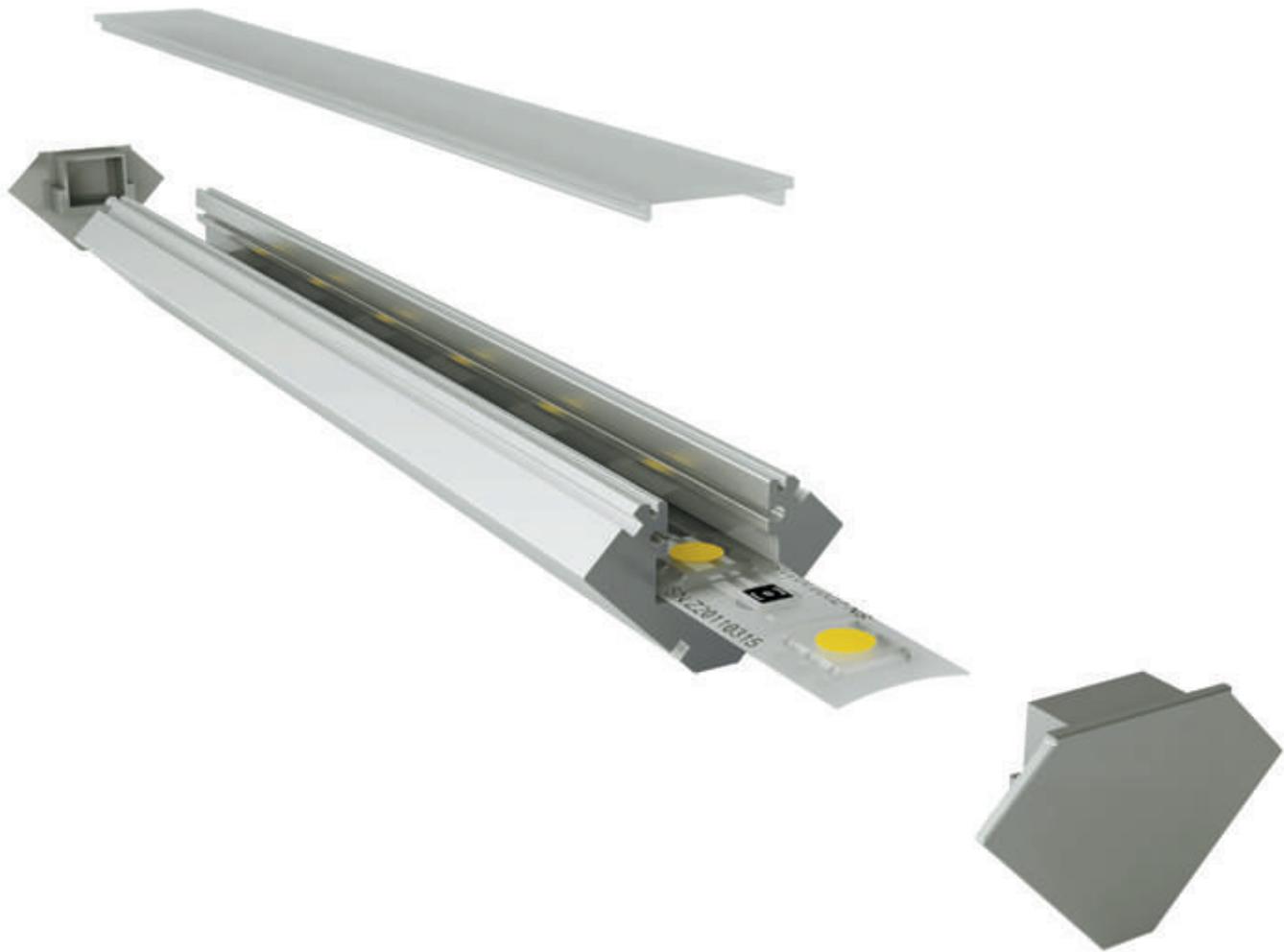
TEXAS MINI See page 88



DALLAS See page 76



CHICAGO See page 58



angular led profiles



82 TEXAS



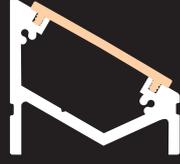
83 SOPHIA



84 SOPHIA XL



86 AMSTERDAM



87 SOPHIA XL
ASYMMETRIC



88 TEXAS MINI



90 ZAGREB



91 SPLIT



91A AMSTERDAM
MINI

led profile by Luz Negra

TEXAS

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.

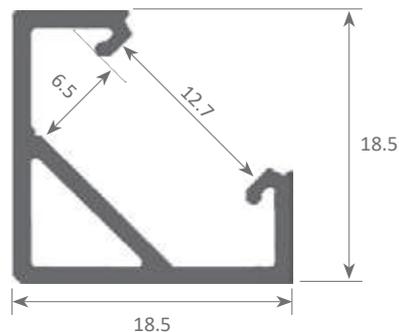
We offer a 2 year guarantee on our profiles and covers.



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



Plastic endcaps

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



Clip

20.017	transparent plastic
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Adjustable bracket

20.004	chrome steel (clip not included)
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Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
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: 0.213kg / Alloy: 6063 / Perimeter: 128mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)

led profile by Luz Negra

SOPHIA



IP65



Our PROFESSIONAL led profile series for corners is manufactured in high purity anodised in silver, black and textured white lacquered. 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.

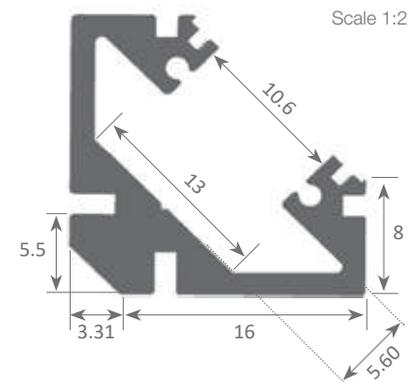
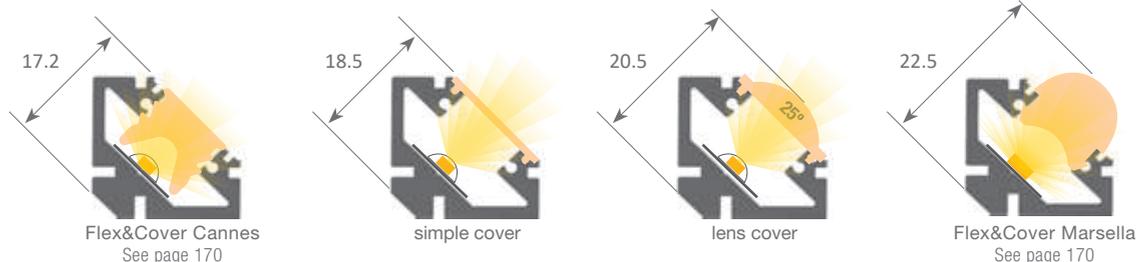
The profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 13mm and a power not greater than 30W/m.

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
05.030	white lacquered	2m
05.004	anodised silver	6m
05.005	anodised black	6m
05.029	white lacquered	6m



Plastic endcaps

19.065	grey without hole
19.066	grey with hole
19.067	black without hole
19.068	black with hole
19.451	white with hole
19.452	white without hole



Plastic endcaps

19.069	grey without hole lens
19.070	grey with hole lens



Hanging KIT

21.001	chrome	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
18.134	frosted	60m

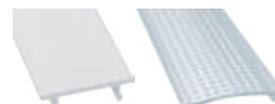


Black&White cover "easy-ON"

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

18.140	frosted	2m
18.139	frosted	6m

*Only for WHITE profile

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	6m



Clip

20.015	chrome steel
20.016	black oxide finish



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

led profile by Luz Negra

Our PROFESSIONAL led profile series for angles is manufactured in high purity aluminium and available in anodised silver, black and white lacquered. 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.

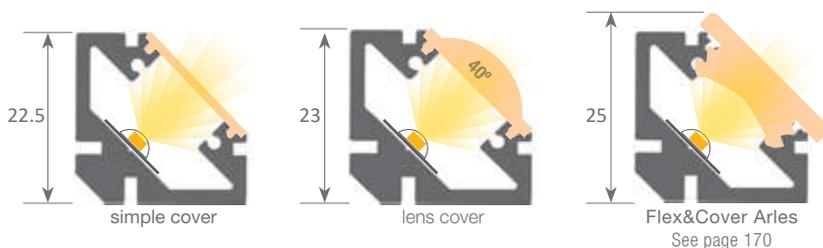
Its "easy-ON" cover (available in 6 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, such as bathrooms, kitchens, gyms, spas, cold storage chambers, fridges, or others.

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.

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
05.026	white lacquered	2m
05.013	anodised silver	6m
05.014	anodised black	6m
05.025	white lacquered	6m

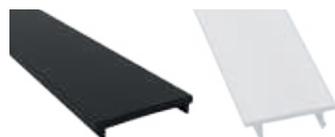
Plastic endcaps

19.071	grey without hole
19.072	grey with hole
19.294	black with hole
19.295	black without hole
19.430	white without hole
19.431	white with hole



Polycarbonate cover "easy-ON"

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



Black&White cover "easy-ON"

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE XL profile



Polycarbonate cover "easy-ON"

18.130	micropriism	2m
18.129	micropriism	6m

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	6m



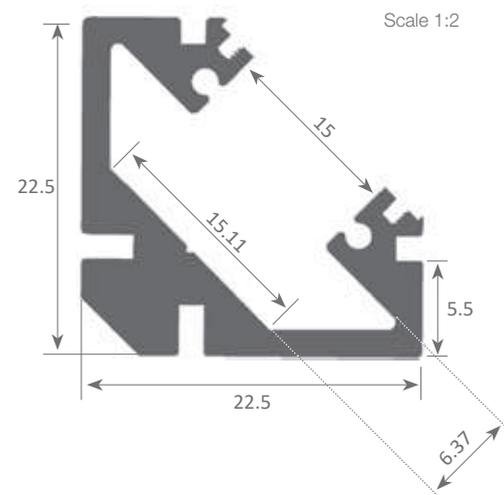
Square cover

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

SOPHIA XL



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: 0.430kg / Alloy: 6063 / Perimeter: 146mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



SOPHIA profile
+ embedding clip "20.012"



SOPHIA profile
+ hanging KIT "21.001"



Clip

- 20.012 chrome steel
- 20.013 black oxide finish



Hanging KIT

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

led profile by Luz Negra

AMSTERDAM

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.

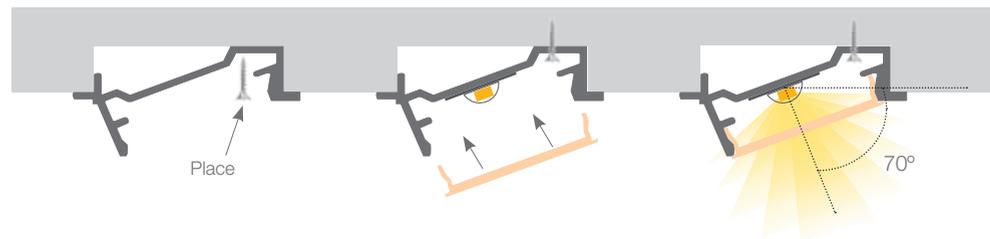
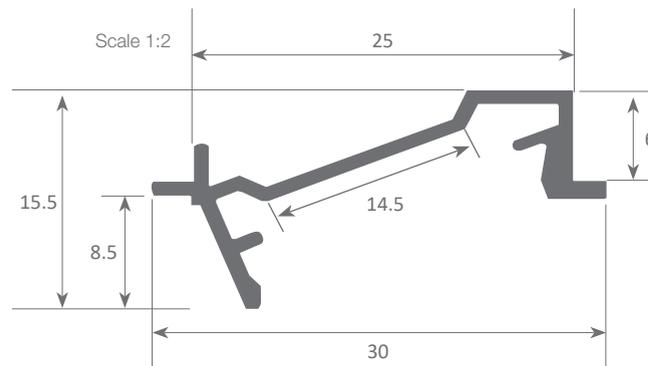
Suitable for led strips with a maximum width of 13.9mm and a power not greater than 20W/m.

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.

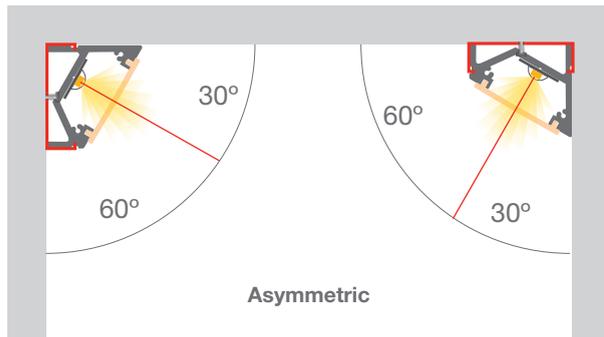
This profile and its covers are available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need breaks. It is suitable for led strips with a maximum width of 12mm and a power not greater than 35W/m. In order to obtain a more homogeneous and diffused 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.

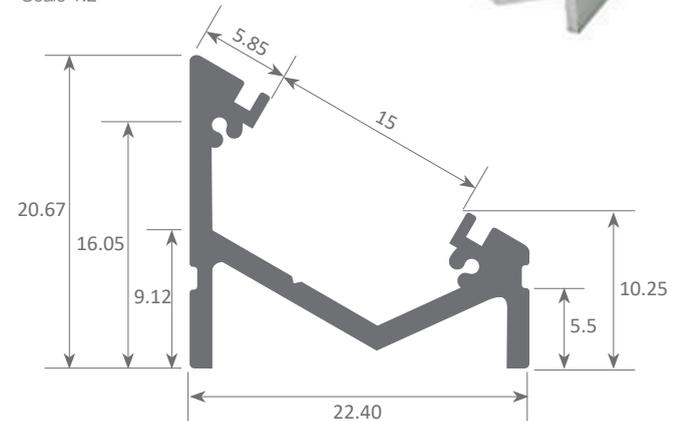
SOPHIA XL ASYMMETRIC



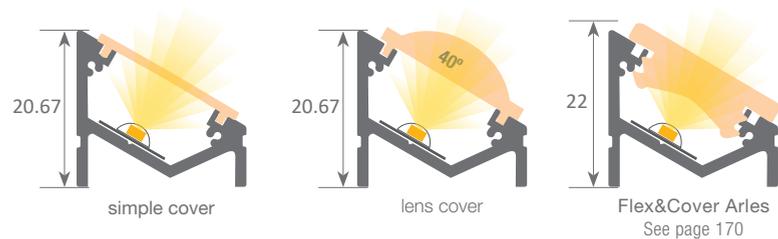
IP65



Scale 1:2



Scale 1:1



Aluminium profile

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



Plastic endcaps

19.210	grey left endcap
19.211	grey right endcap
19.315	black right endcap
19.316	black left endcap



Polycarbonate cover "easy-ON"

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE XL profile



Polycarbonate cover "easy-ON"

18.130	microprism	2m
18.129	microprism	6m

Black&White cover "easy-ON"

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

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	6m



Clip

20.012	chrome steel
20.013	black oxide finish



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

led profile by Luz Negra

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.

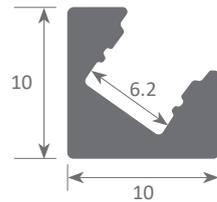
TEXAS MINI



Scale 1:1



Scale 1:2



Aluminium profile

05.024 anodised silver 2m



Plastic endcaps

19.219 with hole
19.220 without hole



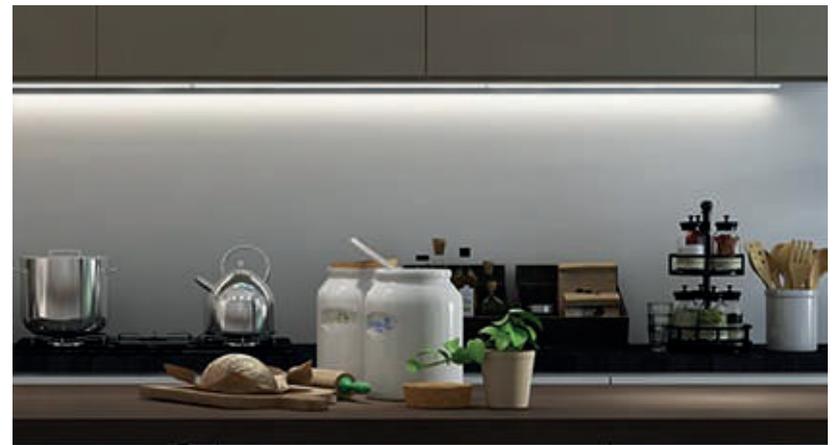
Polycarbonate cover

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)



led profile by Luz Negra

ZAGREB

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-Cíes ecoled strips.

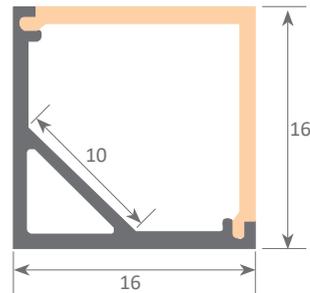
We offer a 2 year guarantee on our profiles and covers.



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

led profile by Luz Negra

SPLIT

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.

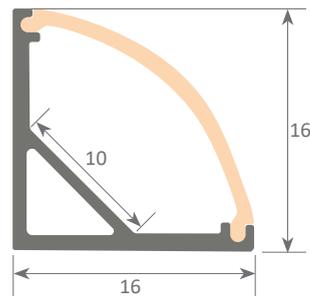
We offer a 2 year guarantee on our profiles and covers.



Scale 1:1



Scale 1:2



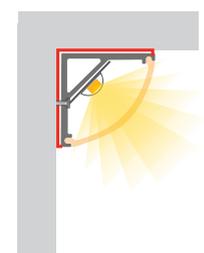
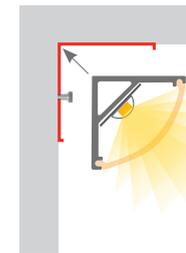
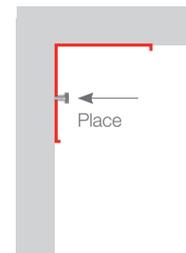
Aluminium profile

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

led profile by Luz Negra

Our PROFESSIONAL led profile series for angles is manufactured in high purity aluminium and available in silver anodised or black anodised.

Ideal for surface applications, walls, furniture, shelving and similar areas where we require an angular profile which can give out light at an angle. This helps to give a dot-free effect along with optimum heat dissipation. Suitable for led strips with a maximum width of 5mm and a power not greater than 12W/m. We recommend using with our COB ecoled strips to achieve a more homogeneous and diffused illumination.

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

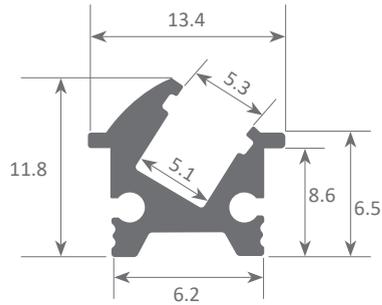
AMSTERDAM MINI



Scale 1:1



Scale 1:2



Aluminium profile

05.027 silver anodised 1m
05.028 black anodised 1m



Plastic endcaps

19.435 black without hole (right)
19.436 black without hole (left)
19.437 grey without hole (right)
19.438 grey without hole (left)



Polycarbonate cover

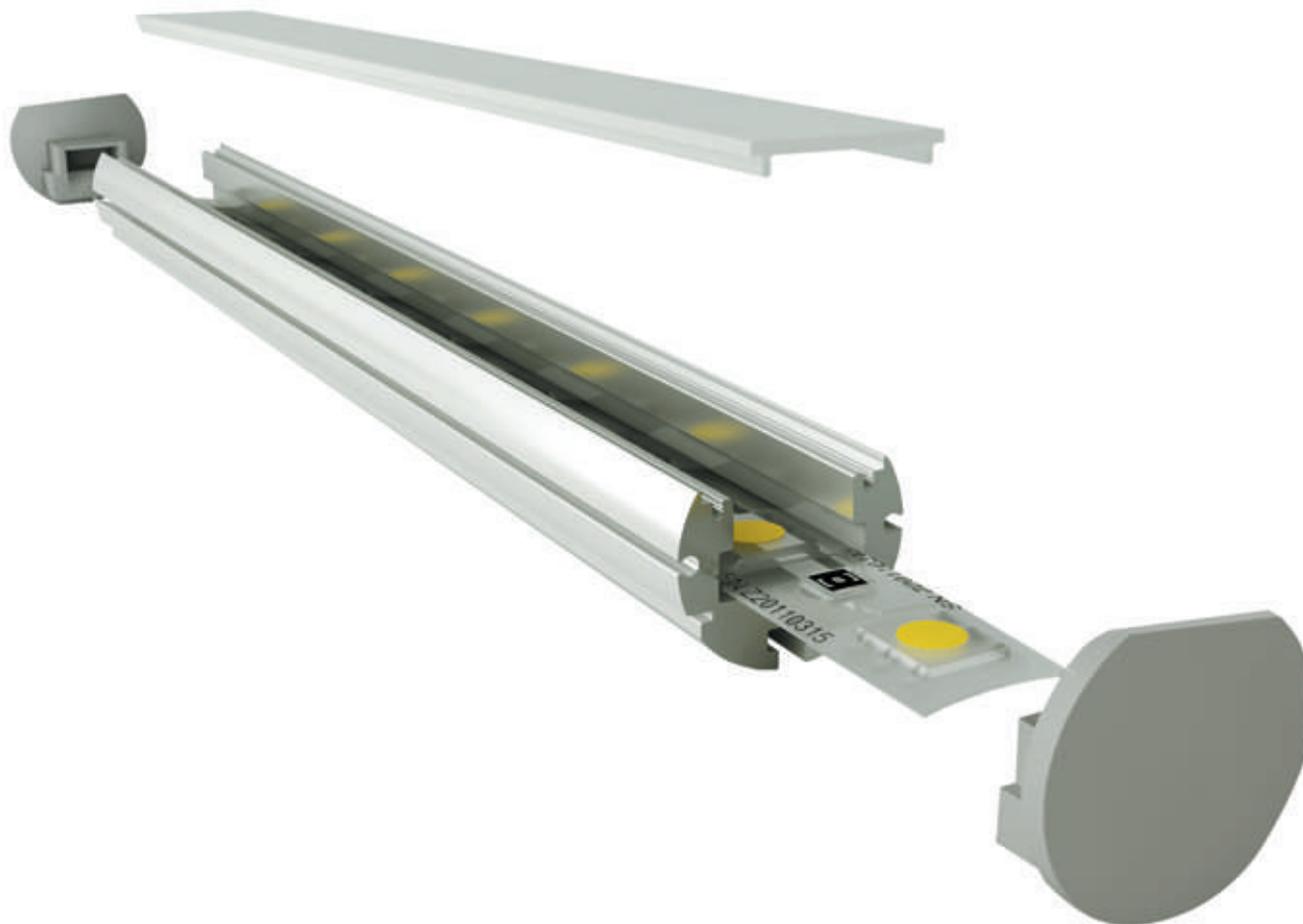
18.014 frosted 1m



Clip

20.017 aluminium





circular led profiles



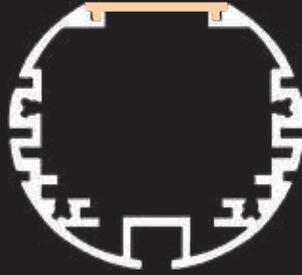
PARIS

94



MIAMI

98



PARIS XL

100

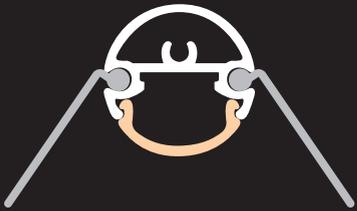


OSLO
B&W

102

OSLO

103



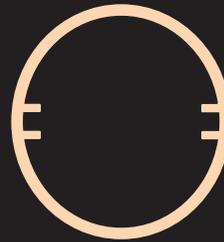
VIENA

103A



OSLO
MINI

103B



OSLO
DOBLE

103C



OSLO 40

103D

led profile by Luz Negra

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.

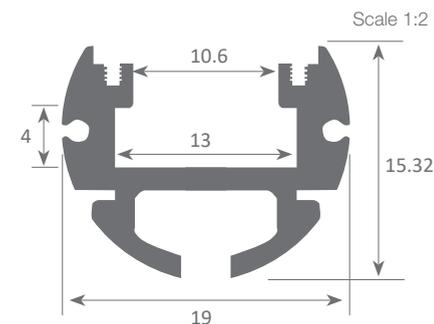
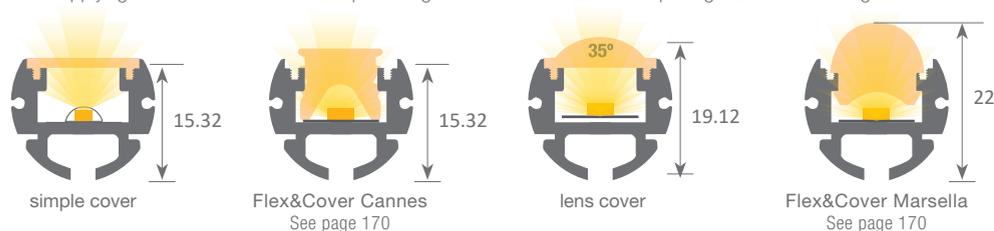
Its "easy-ON" cover (available in 8 different finishings), when combined with this profile, provides an IP65 rating to the luminaire. Therefore, the profile can be used in places with high levels of humidity, for example bathrooms, kitchens, gyms, spas, cold storage chambers, fridges and others.

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
13.004	anodised silver	6m
13.005	anodised black	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
18.134	frosted	60m

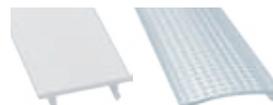


Black&White cover "easy-ON"

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

18.140	frosted	2m
18.139	frosted	6m

*Only for WHITE profile

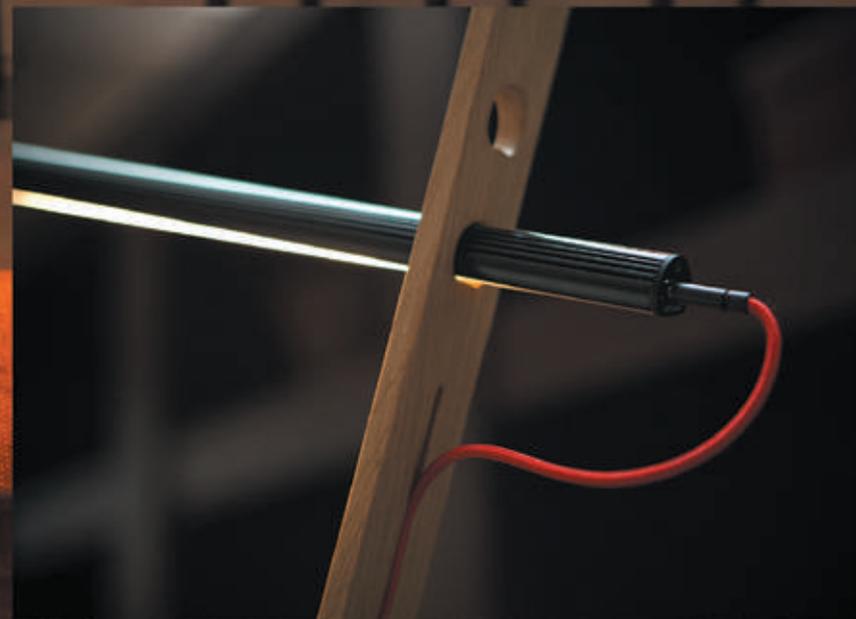
Polycarbonate cover "easy-ON"

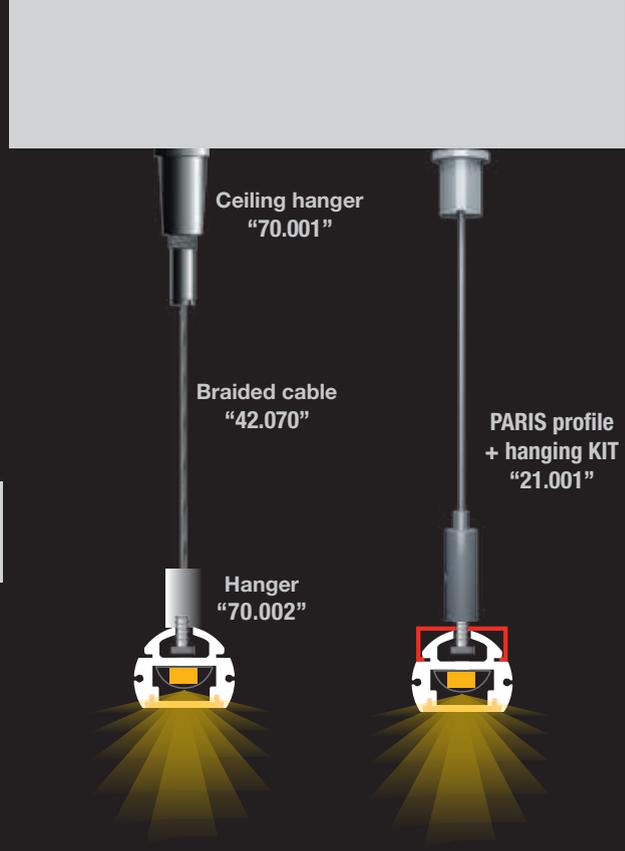
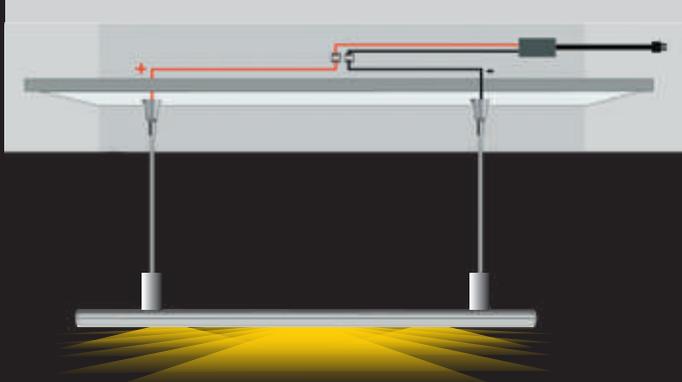
18.135	microprism	2m
18.136	microprism	6m



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





PARIS profile
+ surface bracket
"20.007"



PARIS profile
+ support "22.008"



PARIS profile
+ bracket "20.019"



Clip
20.007 chrome steel
20.008 black oxide finish



Ceiling hanger
70.001 silver
70.003 chrome



Hanger
70.002



Hanging KIT
21.001 chrome 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



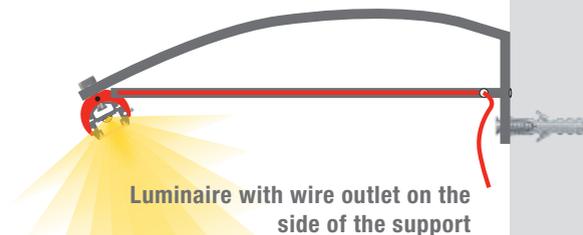
Supporting arm
22.006 silver anodised
22.007 black anodised
22.088 white anodised
Measurements: 170x50mm
* (clip not included)



Centre support
22.008 swivel support



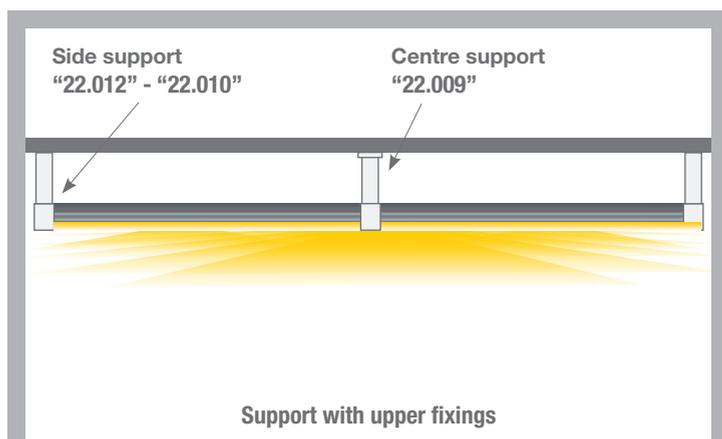
Clip
20.019 metal



Luminaire with wire outlet on the
side of the support



Luminaire with wire outlet at the
end of the support



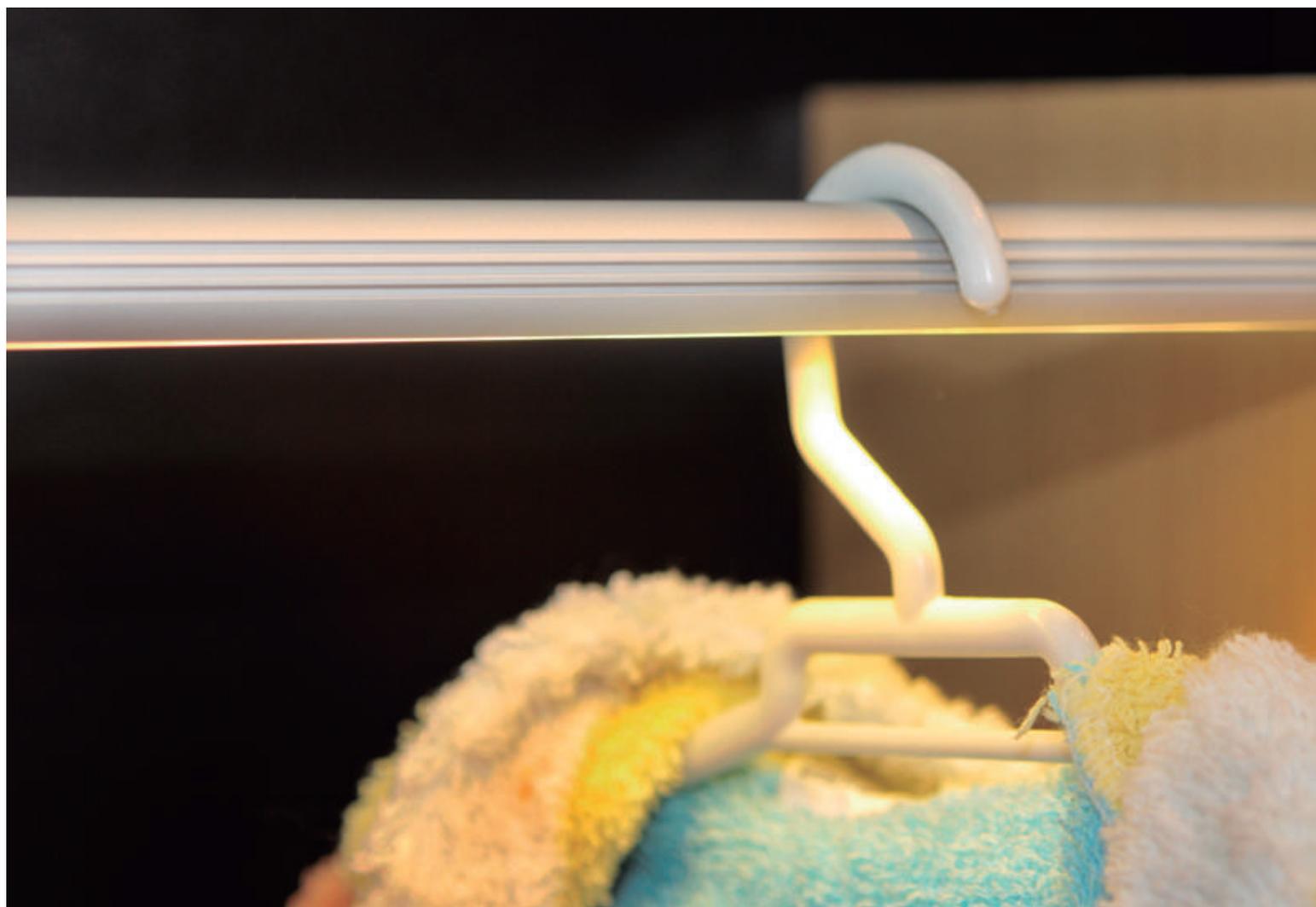
Centre support
22.009 aluminium



Side support
22.010 aluminium



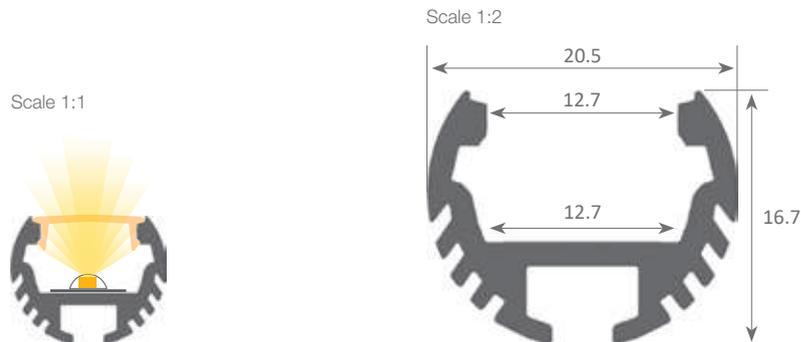
Side support
22.012 aluminium



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



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Plastic endcaps

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



Methacrylate cover

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



Clip

20.005	transparent plastic
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clip

20.019	metal
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Supporting arm

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

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



PARIS XL



IP65

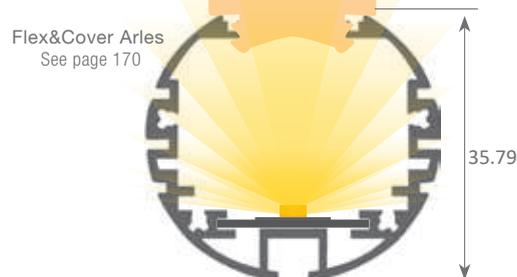
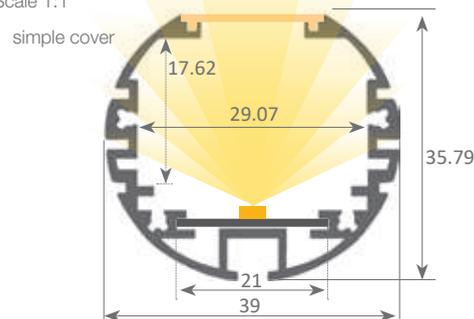
Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in high purity aluminium and available in anodised silver, black, inox and white lacquered. It covers many uses where we require a width greater than the standard, examples of which include ceiling suspended luminaires, 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 about 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.

Scale 1:1



Perfil de aluminio

13.013	anodised silver	2m
13.015	anodised black	2m
13.033	white lacquered	2m
13.016	anodised silver	6m
13.018	anodised black	6m
13.020	white lacquered	6m



Aluminium endcaps

19.095	anodised silver
19.096	anodised black
19.432	white lacquered



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
18.030	lens	2m
18.025	transparent	6m
18.026	opal	6m
18.027	frosted	6m
18.031	lens	6m



Black&White cover "easy-ON"

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

Polycarbonate cover

18.127	frosted	2m
18.126	frosted	6m

*Only for WHITE XL profile



Polycarbonate cover "easy-ON"

18.130	microprism	2m
18.129	microprism	6m

Polycarbonate cover with side wings

18.132	frosted	2m
18.131	frosted	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: 0.740kg / Alloy: 6063 / Perimeter: 341mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



Inner plate

22.036 aluminium 2 m
22.191 aluminium 6 m



90° angle bracket

22.003 steel



Hanging KIT

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



Profile joint

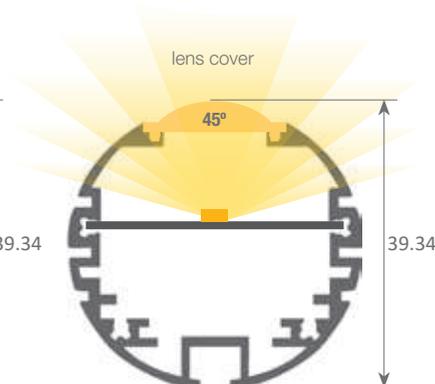
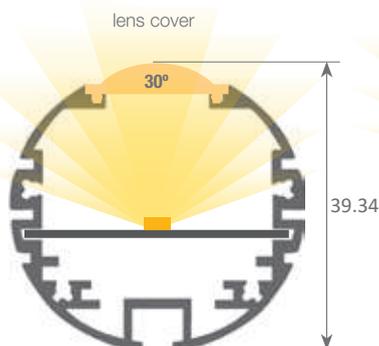
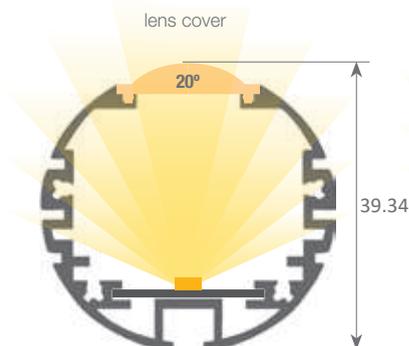
22.005 steel



120° angle bracket

22.004 steel

Scale 1:1



Hanging KIT
"21.001"

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

led profile by Luz Negra

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

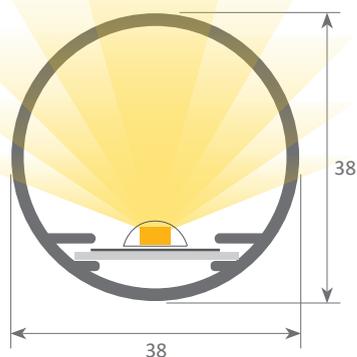
It is suitable for led strips with a maximum width of 15mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, while also making a non dot effect, we recommend combining it with our Elite series of led strips, COB and also our ecoled digital model Hawaii RGB.

We offer a 2 year guarantee.

OSLO Black&White



Scale 1:1



Methacrylate profile
13.020 black frosted 3m



Endcaps
19.104 methacrylate



Plastic endcaps
19.100 blue
19.101 white
19.102 black
19.103 red



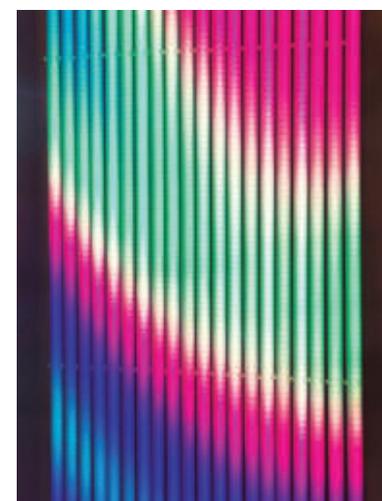
Inner plate
22.189 aluminium 3m



Hanging KIT
21.001 chrome 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%

led profile by Luz Negra

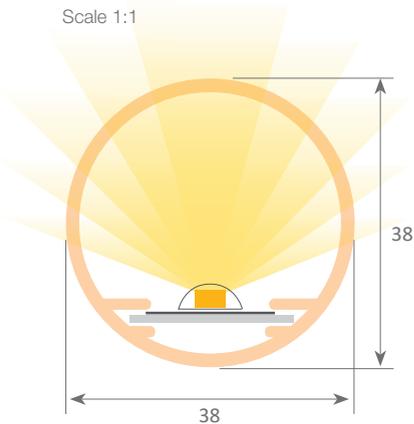
OSLO

Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in white frosted methacrylate. The profile is ideal for surface applications, for example ceiling suspended luminaires 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



Methacrylate profile
13.019 white frosted 3m



Endcaps
19.099 frosted methacrylate



Plastic endcaps
19.100 blue
19.101 white
19.102 black
19.103 red



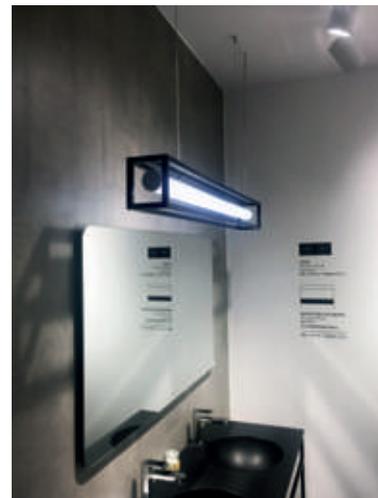
Inner plate
22.189 aluminium 3m



Hanging KIT
21.001 chrome 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

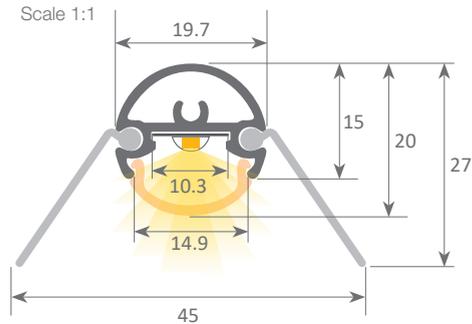


Plastic profile extrusion process in accordance with: ISO 9001
Theoretical weight: 0.275kg/m / Raw material: acrylic PMMA / Perimeter: 119.4mm / Acrylic purity: 99.95%

led profile by Luz Negra

Our PROFESSIONAL led profile series for circular is manufactured in high purity aluminium and available in anodised white and white lacquered. The profile has two sliding side wings, modifying the angle of light, thanks to its rounded glazed methacrylate diffuser. It is ideal for use suspended from ceiling*. Suitable for led strips with a maximum width of 10mm and a power not greater than 21W/m. (Allows the insertion of led strips with a 10mm PCB in sliding form and with an 8mm PCB placed frontwise). We recommend the combined use of both our opal diffusers and COB 8mm ecoled strips. **We offer a 5 year guarantee.**

VIENA



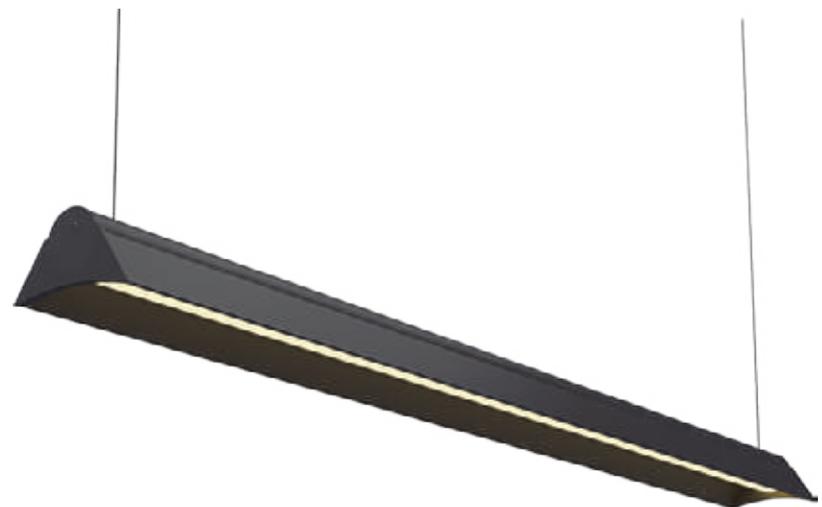
Aluminium profile

13.026	black anodised	2m
13.029	white lacquered	2m



Aluminium profile side wing

13.027	black anodised	2m
13.028	white lacquered	2m



Methacrylate cover

18.128	frosted	2m
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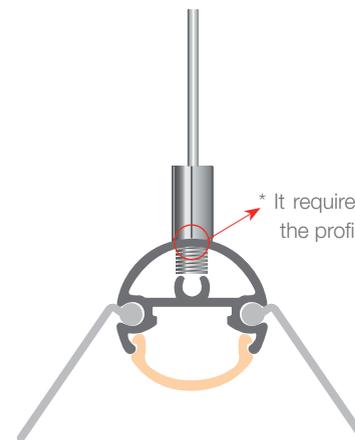
Universal hanging kit with screw connection

21.020	black	set of 2 units
21.021	white	set of 2 units
21.022	chrome	set of 2 units



Methacrylate endcaps

19.425	white
19.426	black



led profile by Luz Negra

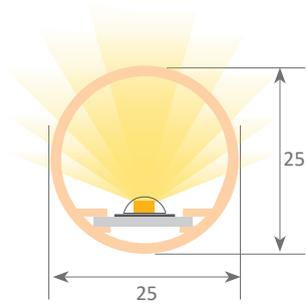
Led profile PROFESSIONAL series, manufactured in white frosted methacrylate. Multifunctional profile, ideal for surface and wall applications, hanging, etc. Suitable for led strips with a width and power not higher than 8mm and 10w/m. We recommend using it with ecoled Cob 8mm in order to achieve a more homogeneous and uniform illumination.

We Offer a 2 year guarantee.

OSLO MINI



Scale 1:1



Methacrylate profile

13.024 white frosted

3m



Inner plate

22.019 aluminium
(2000x14x0.75mm)



Hanging KIT

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



Endcaps

19.361 frosted methacrylate



Clip

20.071 polycarbonate transparent



Tubular base

22.124 white



Tubular holding piece

22.125 white



led profile by Luz Negra

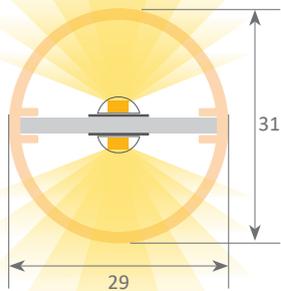
OSLO DOBLE

Led profile PROFESSIONAL series for hanging/surface, manufactured in white frosted methacrylate. Multifunctional profile, ideal for applications on surfaces, ceilings, walls, etc. Profile ideal for Up&Down illumination in order to achieve a 360° lighting effect. Suitable for led strips with a width and power not greater than 10mm and 10W/m. We recommend using it with our ecoled strips Élite 5 - COB 5mm in order to obtain a more homogeneous and uniform illumination.

It marks a slight shade on both sides, where the inner plate is placed.

We offer a 2 year guarantee.

Scale 1:1



Methacrylate profile

13.025 white frosted

3m



Inner plate

22.143 aluminium
(2000x25x0.75mm)



Endcaps

19.366 frosted methacrylate



Clip

20.071 polycarbonate transparent



Hanging KIT

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



Plastic profile extrusion process in accordance with: ISO9001
Theoretical weight: 152gr/m gr/m / Raw material: acrilic PMMA / Perimeter: 94.2mm / Acrylic purity: 99.99%

led profile by Luz Negra

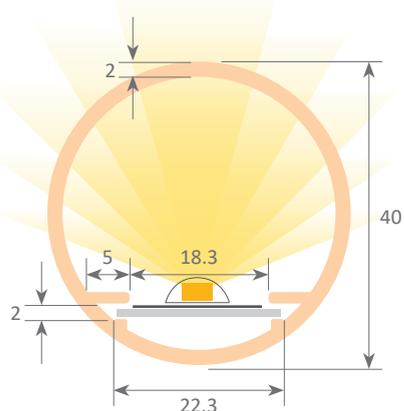
OSLO 40

Our PROFESSIONAL led profile series for surfaces and ceiling suspension is manufactured in white frosted methacrylate. The profile is ideal for surface applications, for example ceiling suspended luminaires 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



Methacrylate profile
13.031 white frosted 3m



Endcaps
19.420 frosted methacrylate



Clip
20.020 transparent polycarbonate
20.021 metal



Inner plate
22.189 aluminium 3m



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



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%



Flat crosspiece

22.118 white
22.119 black



Crosspiece

22.116 white
22.117 black



Joining piece

22.120 white
22.121 black



T-shape joining piece

22.122 white
22.123 black



90° angle piece

22.126 white
22.127 black



120° angle piece

22.128 white
22.129 black



Crossing angle piece

22.130 white
22.131 black



Base

22.132 white
22.133 black



Adjustable base

22.134 white
22.135 black



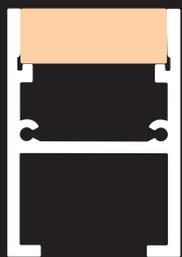
Base

22.136 white
22.137 black





led profiles for stairs and skirting boards



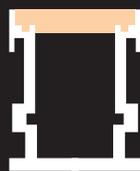
AZORES

106



DUBLIN

107



DUBLIN XL

108



EDIMBURGO

110



LONDRES

111



FLORENCIA

112



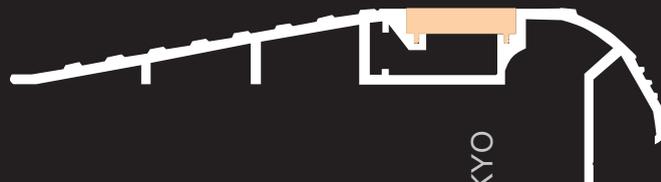
NIZA ECO

114



NIZA DUO

115



TOKYO

116



ESTAMBUL

118



DUBAI

119



QATAR

120

led profile by Luz Negra

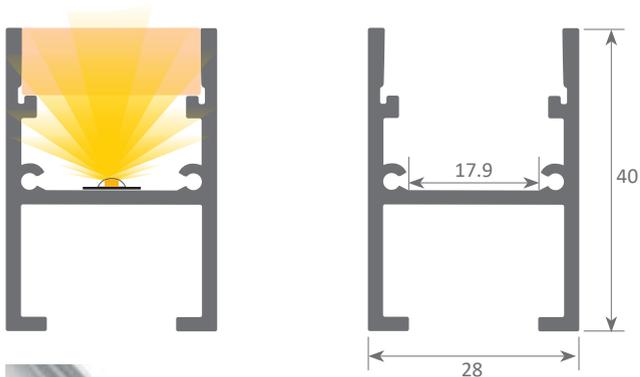
AZORES

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
19.224 aluminium white lacquered



Union endcaps
19.356 aluminium



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

led profile by Luz Negra

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 11 mm 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



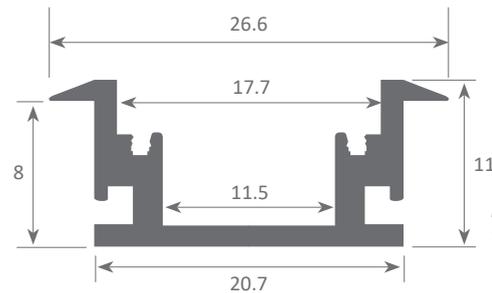
IP65



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

led profile by Luz Negra

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

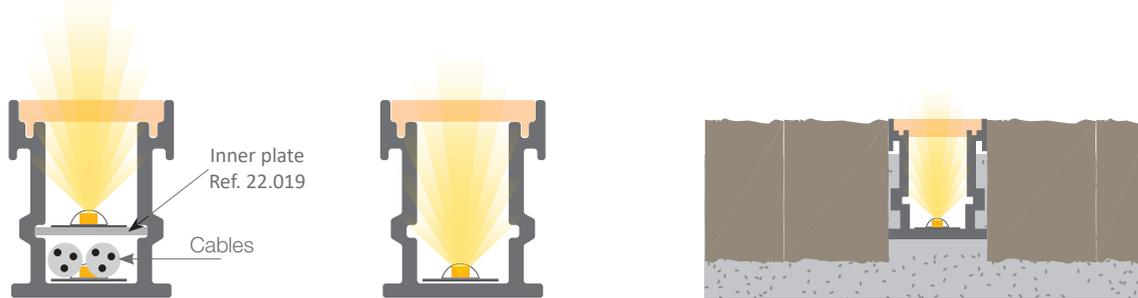


IP65



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



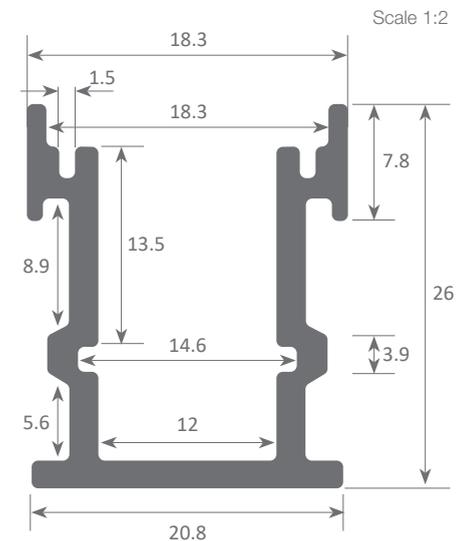
Epoxy resin
22.018 1 Kg
+ 1 catalyst of 400g



Polycarbonate cover IK10
18.053 opal 3m



Inner plate
22.019 aluminium 2m
(2000x14x0.75 mm)



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



led profile by Luz Negra

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.

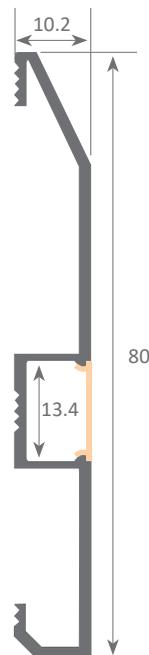
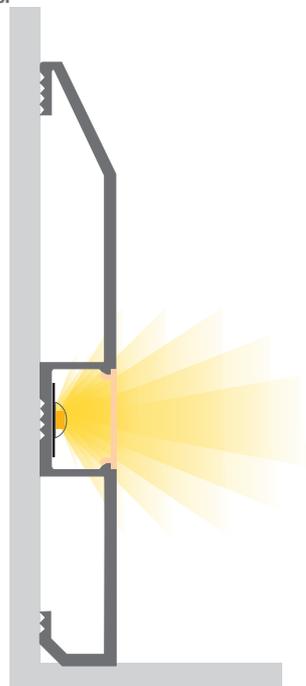
We recommend combining it with COB our Granada ecoled strip to obtain a more homogeneous illumination.

It is fixed to the wall with conventional silicone.

We offer a 2 year guarantee on profiles and covers.

EDIMBURGO

Scale 1:1



Aluminium profile

06.008 white lacquered 2m
(matt)



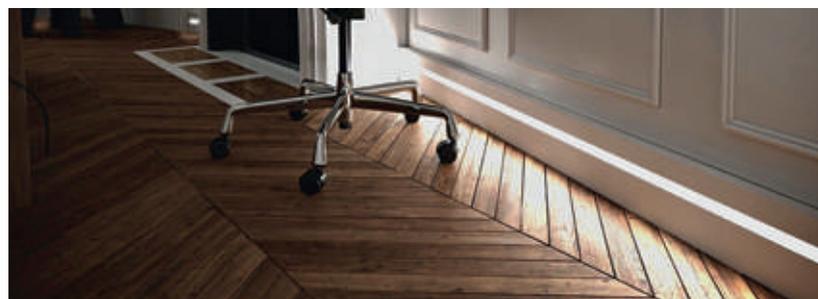
Polycarbonate cover

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)

LONDRES

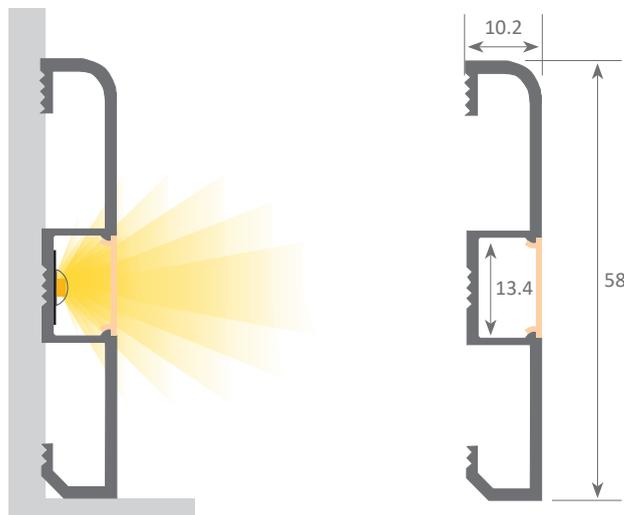
Our PROFESSIONAL led profile series is for skirting boards, lighting up aisles or corridors and white lacquered aluminium. This profile and its cover are both available in lengths of 2m and can house led strips with a maximum PCB of 13mm width.

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.

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 and black. 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).

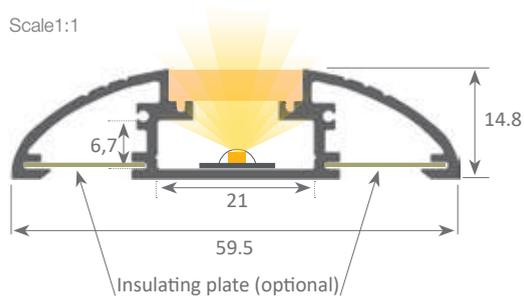
Combined with our rigid led strips, it can be used as an ultra thin surface luminaire for ceilings.

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.

Scale 1:1



Aluminium profile

07.004	anodised silver	2m
07.015	anodised black	2m
07.005	anodised silver	6m
07.014	anodised black	6m



Endcaps

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



Epoxy resin

22.018	1 Kg
+ 1 catalyst of 400g	



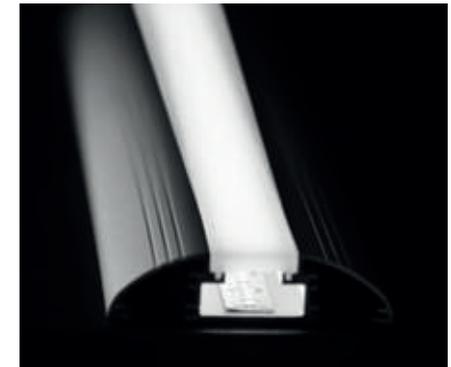
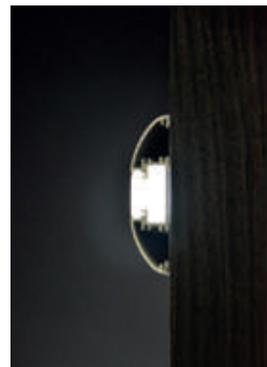
Polycarbonate cover IK10

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

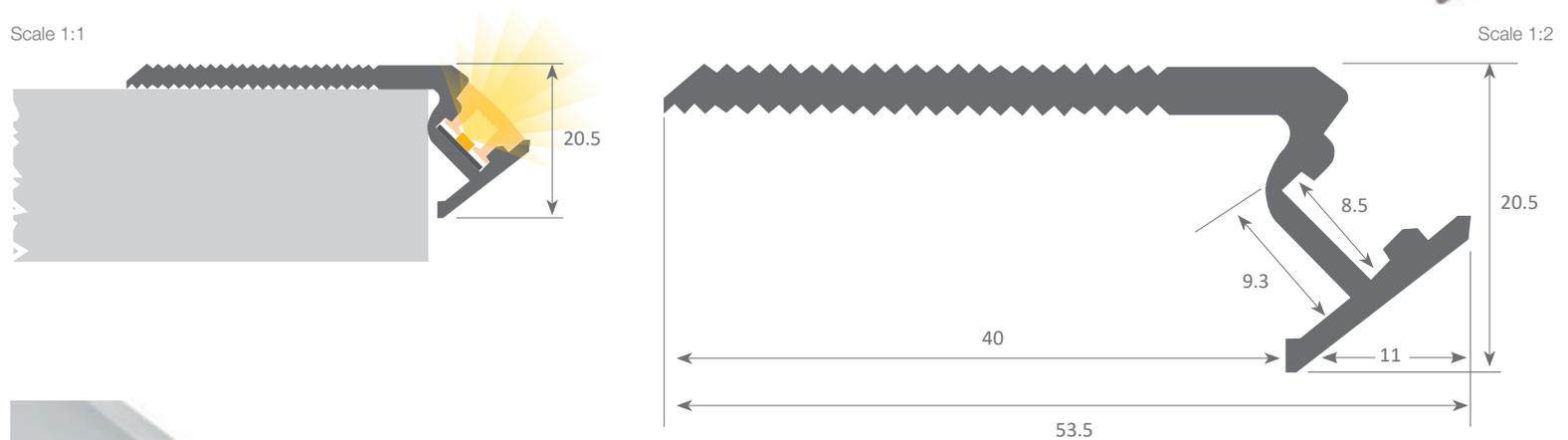


led profile by Luz Negra

NIZA ECO

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 Cíes ecoled strips.

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



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

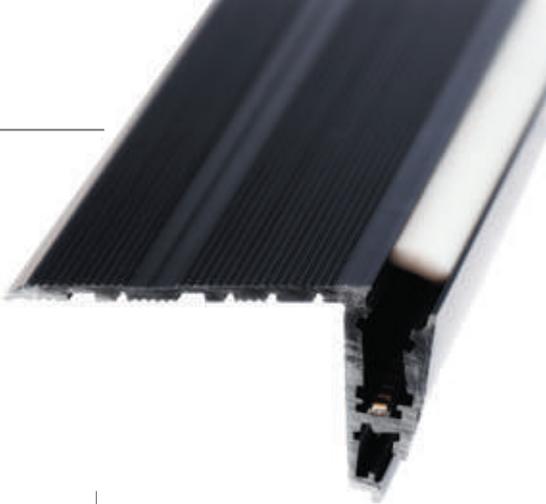
Our BASIC led profile series, suitable for stair lighting is manufactured in high purity aluminium and available in black anodised (on demand can be supplied with silver anodised or other coloured finishings).

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.

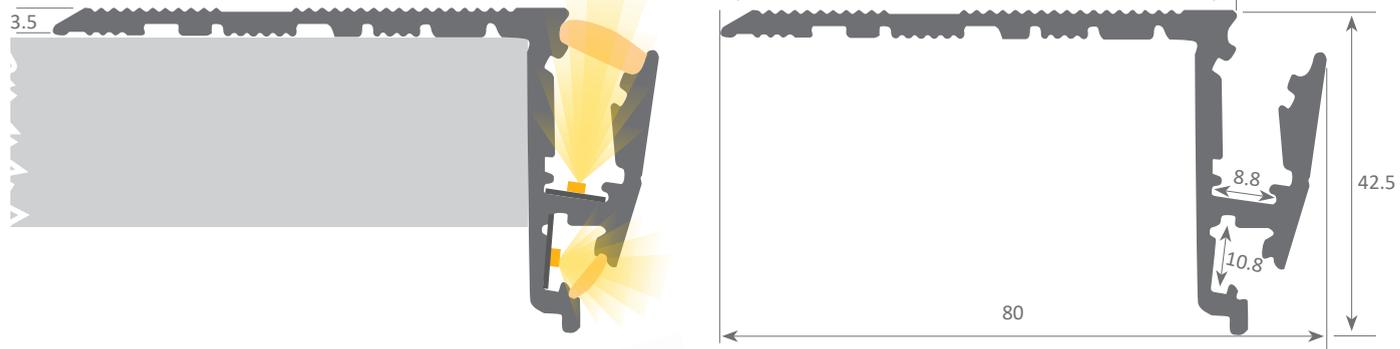
This profile and its cover are available in lengths of 2.40 metres. We recommend using it with our Cies ecoled strips (with PCB not wider than 8mm and IP20).

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



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 V0

led profile by Luz Negra

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.

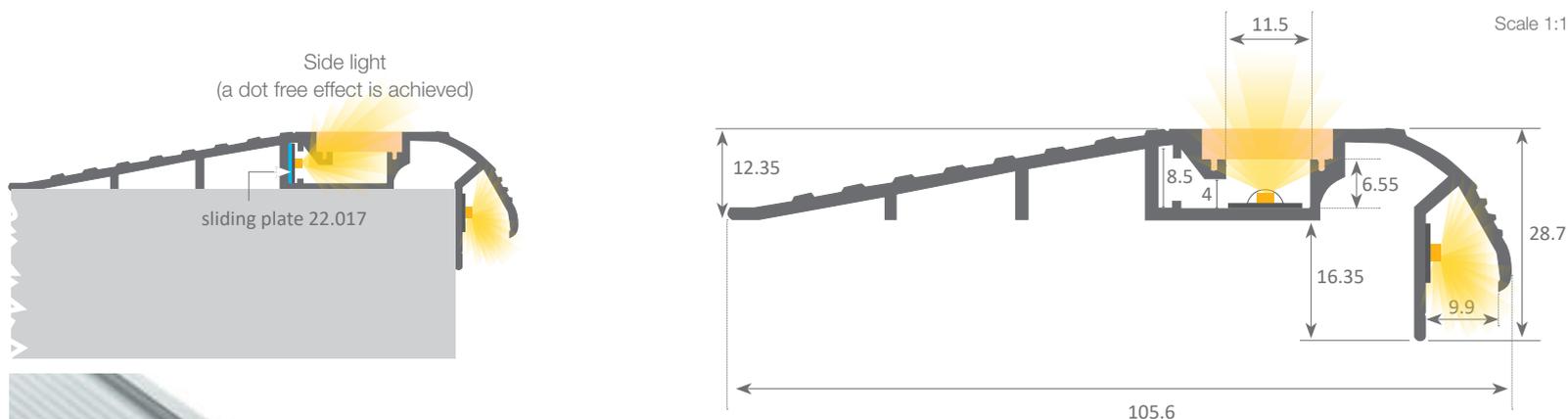
This profile and its cover are both available in lengths of 2 and 6 metres, allowing us to carry out large projects where all the profiles do not need joints. In order to avoid system malfunctions and potential failures, we recommend combining the profile with our Canovelles-Vizcaya led strips or similar 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 pants, sits on a wide staircase. The steps are illuminated from below with a warm, orange glow. The walls on either side of the staircase are covered in a dark, perforated metal mesh. The lighting creates a dramatic, high-contrast scene.

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.

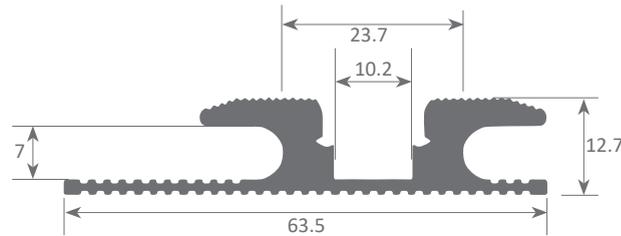
This profile and its covers are available in lengths of 3 metres and allow you to house led strips with a maximum PCB width of 10mm.

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.

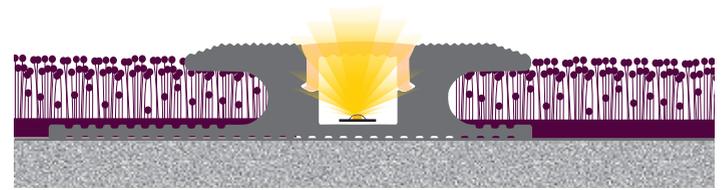


Scale 1:1



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

led profile by Luz Negra

DUBAI

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.

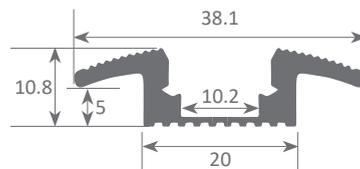
This profile and its covers are available in lengths of 3 metres and allow to house led strips with a maximum PCB width of 10mm.

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.

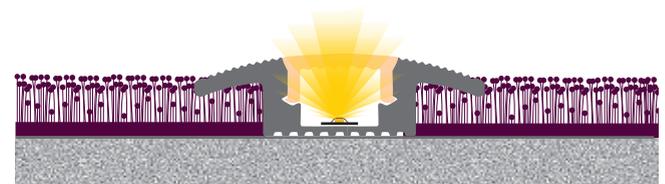


Scale 1:1



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

led profile by Luz Negra

QATAR

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.

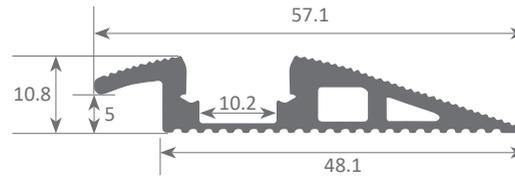
This profile and its covers are available in lengths of 3 metres and allow you to house led strips with a maximum PCB width of 10mm.

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.



Scale 1:1

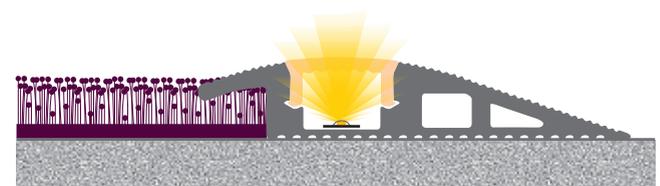


Scale 1:2



Aluminium profile

07.007	anodised black	3m
07.012	anodised silver	3m



Qatar profile used on carpet



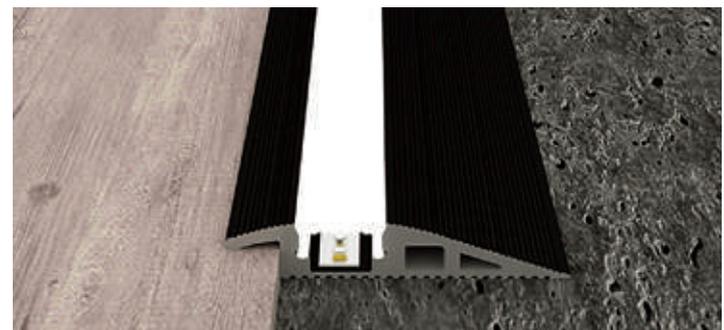
Polycarbonate cover

18.055	frosted	3m
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Endcaps

19.123	anodised black
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Qatar profile used on parquet



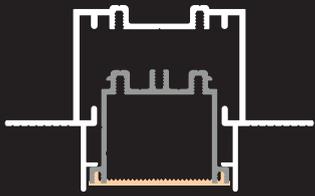
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2
Theoretical weight: 1,5 kg / Alloy: 6060 / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof VØ

nk PORCELANOSA Grupo

nk brassware

architectural led profiles





MADEIRA

124



PRAGA

126



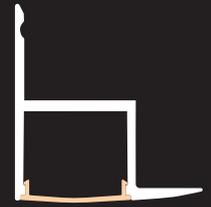
BELFAST

127



BUDAPEST

128



KANSAS

129



MONTANA

130



ALASKA

131



PORTLAND

132



BALTIMORE

133

led profile by Luz Negra

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.

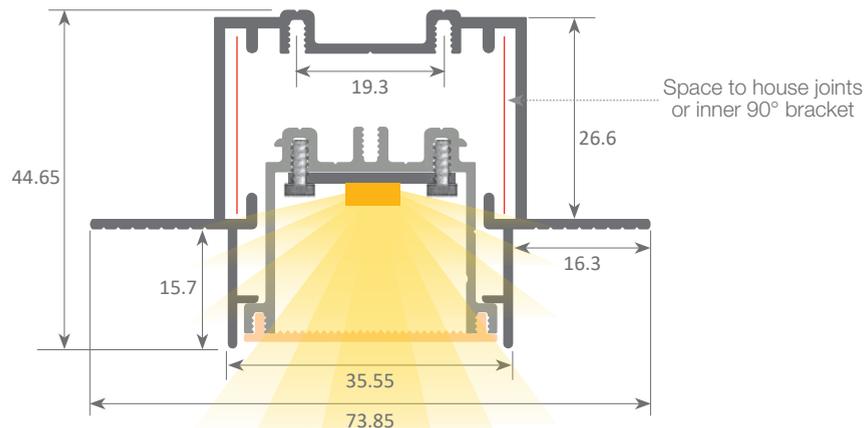
MADEIRA



IP65



Scale 1:1



Aluminium profile

08.009 raw

6m



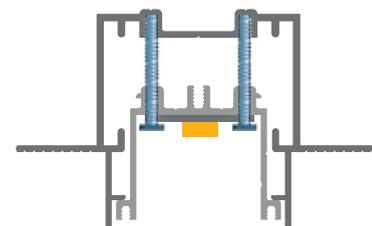
Aluminium tray

15.007 lacquered white 6 m



Aluminium endcaps

19.213 raw



Fixing screws between Madeira tray and profile (Ref: 22.080)



“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

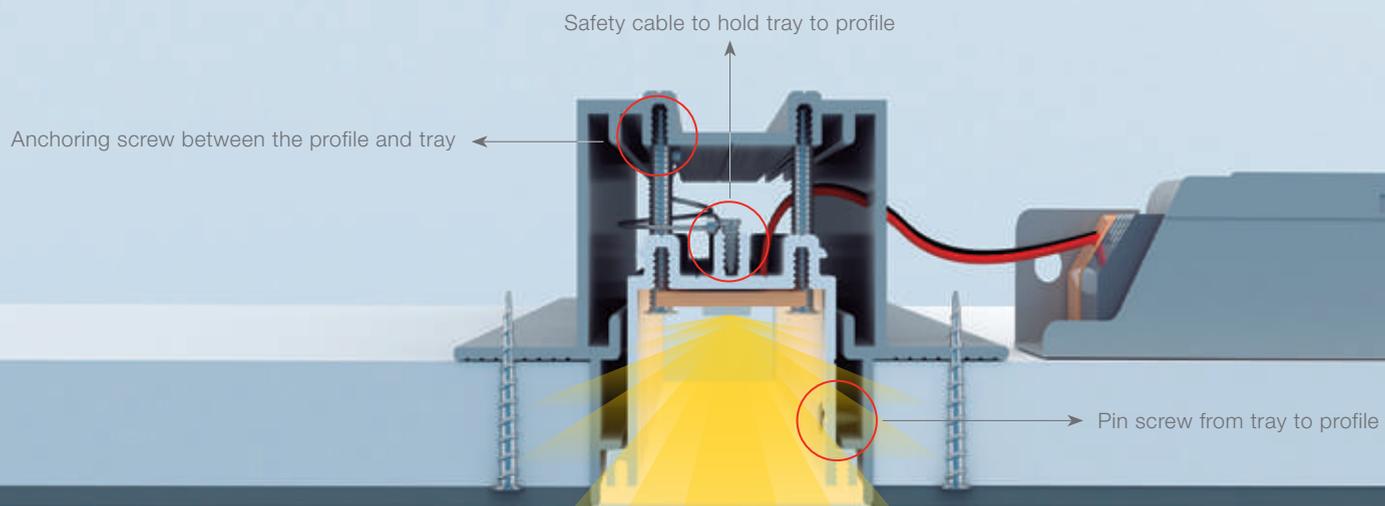
22.039 steel 18cm



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)



led profile by Luz Negra

PRAGA

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

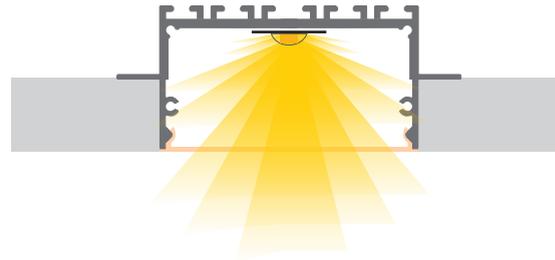
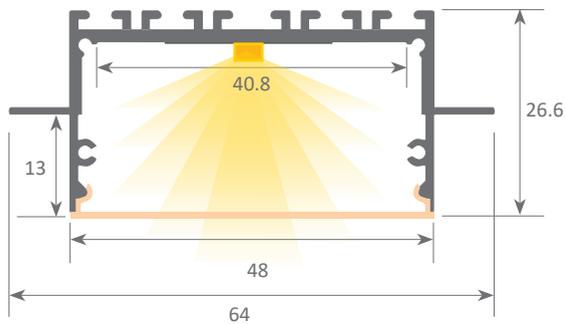
The cover is available in opal white. This profile allows us to house a rigid led strip, achieving high luminosity (specially suitable for supermarkets, shopping centres, etc.).

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

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



Scale 1:1



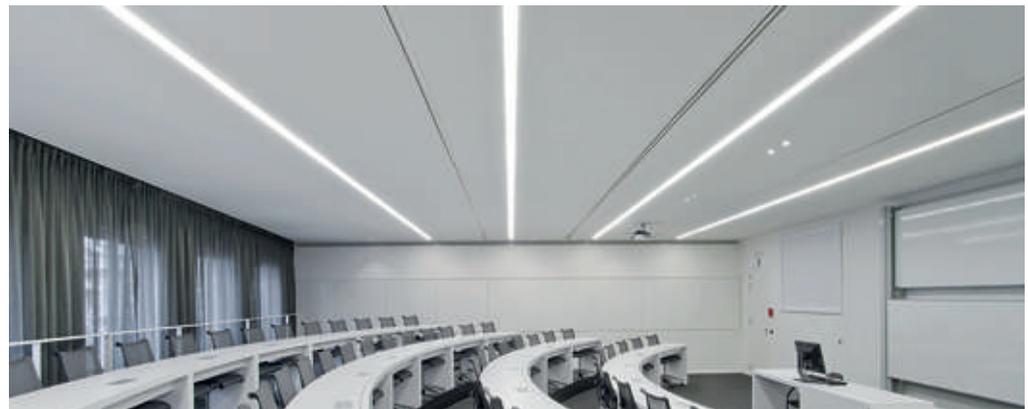
Aluminium profile
08.007 white lacquered 2m



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)

led profile by Luz Negra

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).

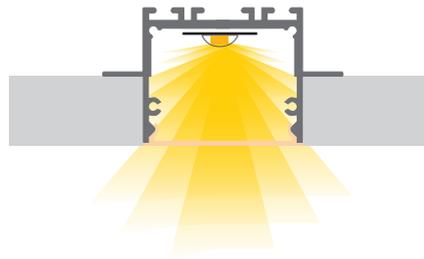
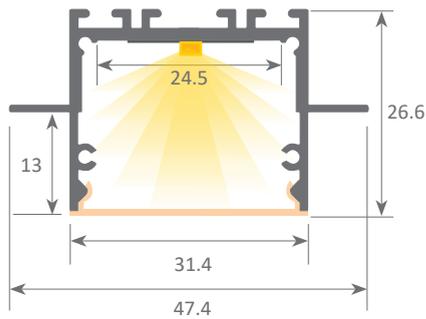
This profile and its covers are available in 2m lengths.

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

BELFAST



Scale 1:1



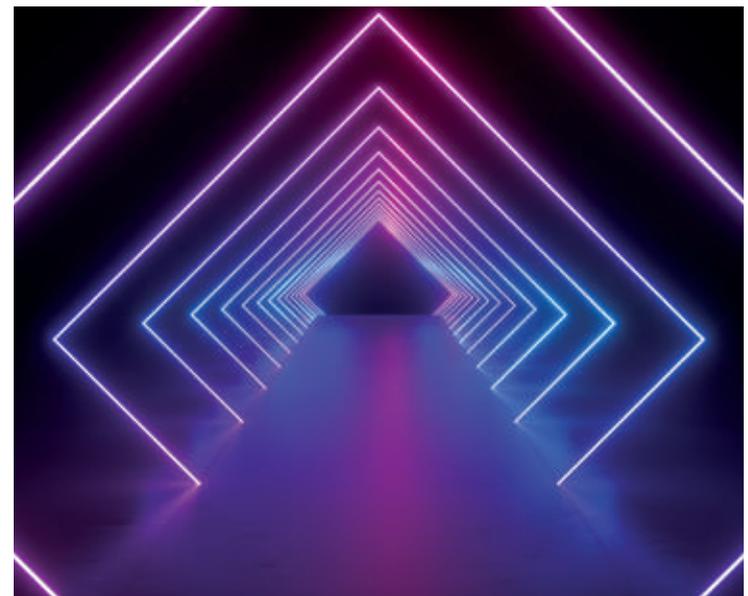
Aluminium profile
08.006 white lacquered 2m



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.

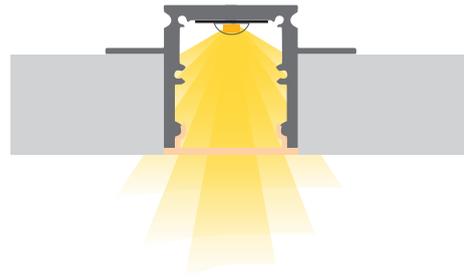
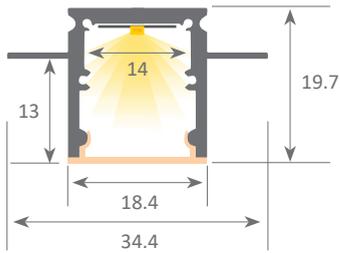
The cover is available in opal white finishing. This profile allows us to use a flexible led strip with a power not greater than 20W/m. We recommend using ecoled Élite.

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)

led profile by Luz Negra

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.

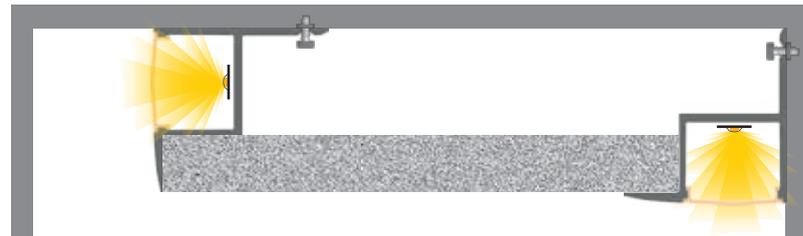
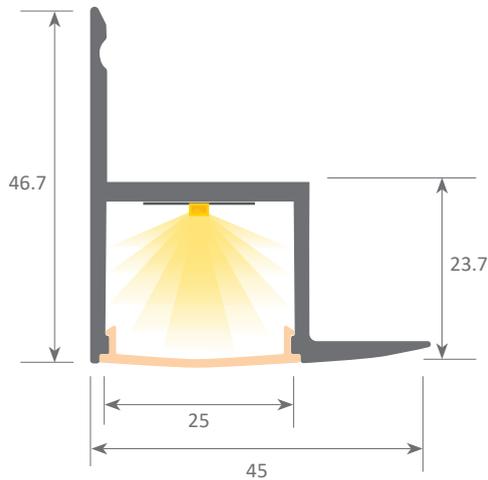
This is perfect for concealing the edges in false ceilings. It is suitable for led strips with a maximum width of 20mm and a power not greater than 40W/m. We recommend using 20mm rigid led strips or ecoled Éite.

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

KANSAS



Scale 1:1



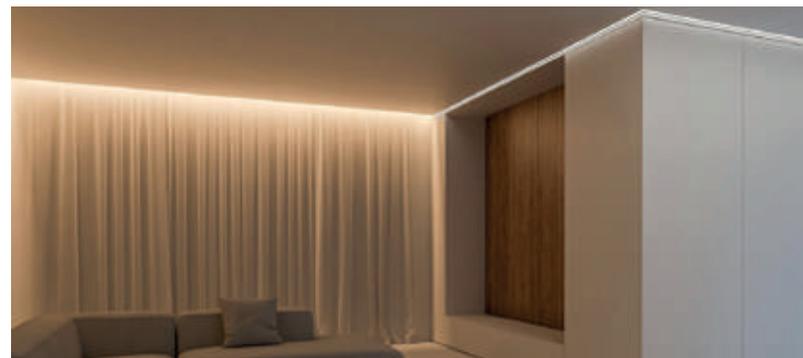
Aluminium profile

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)

led profile by Luz Negra

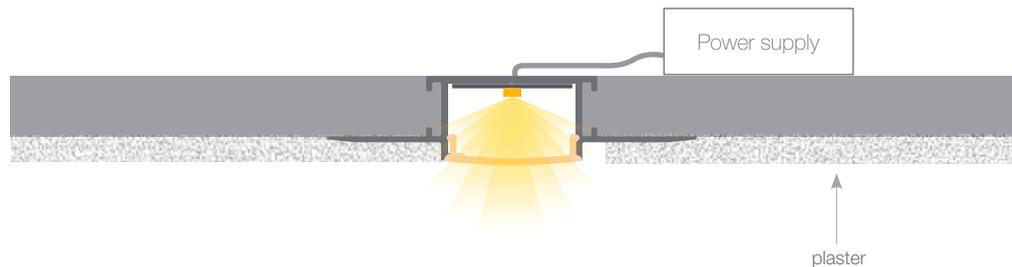
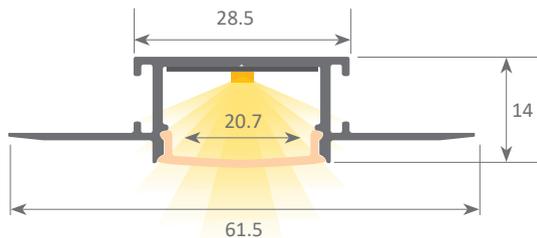
MONTANA

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



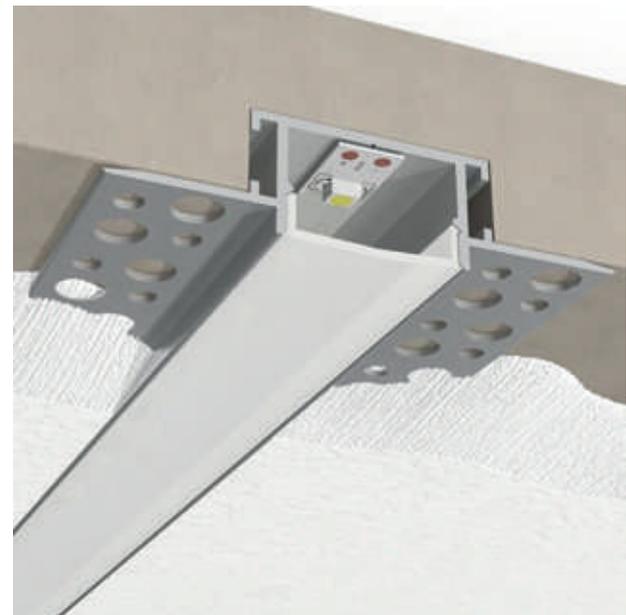
Aluminium profile
08.004 anodised silver 2m



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

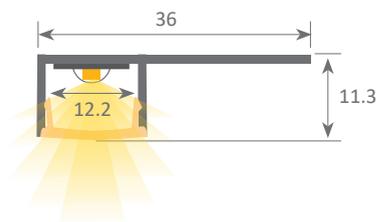
Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. The profile is ideal for illuminating bathrooms, kitchens and similar areas, where it is mounted on tiles, ceramic or stoneware surfaces. Also, due to its perforated L-shaped trim, it is easy 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.

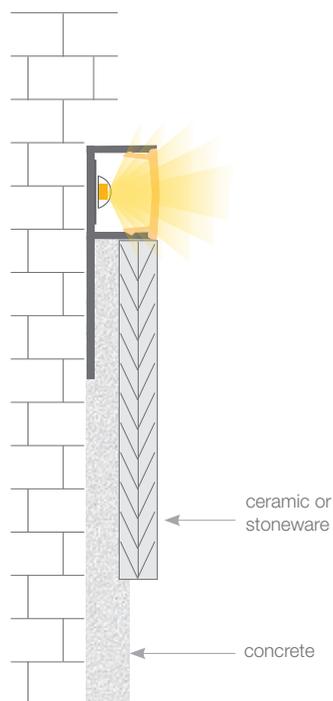


Scale 1:1



Aluminium profile

08.001 anodised silver 3m



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
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)

led profile by Luz Negra

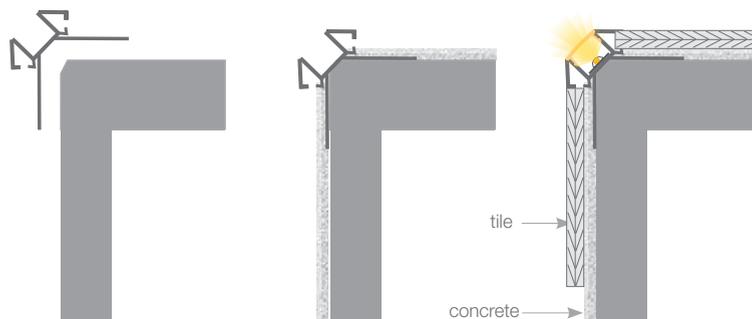
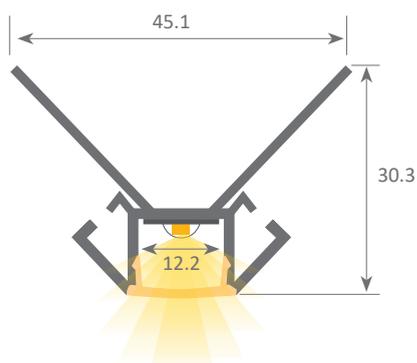
PORTLAND

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

18.116 opal 2m

18.146 frosted 2m

18.148 opal 2m

18.018 opal 3m

18.115 opal 6m

18.145 frosted 2m

18.147 opal 2m



Methacrylate cover

18.014 transparent 2m

18.015 frosted 2m

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)

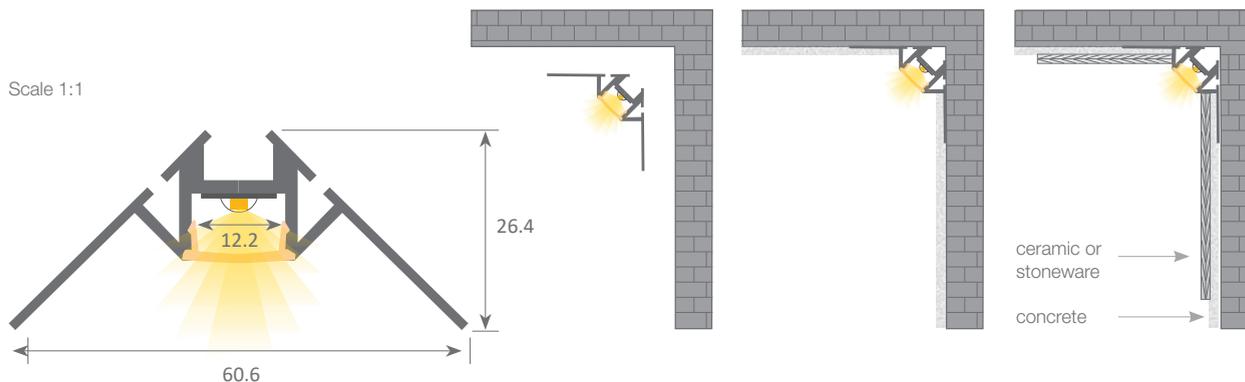
led profile by Luz Negra

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

18.116 opal 2m
18.146 frosted 2m
18.148 opal 2m
18.018 opal 3m
18.115 opal 6m
18.145 frosted 2m
18.147 opal 2m



Methacrylate cover

18.014 transparent 2m
18.015 frosted 2m
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



MÓNACO

143



GALICIA

144



COMENZA
PASAMANOS

146



TALLIN

149A

led profile by Luz Negra

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



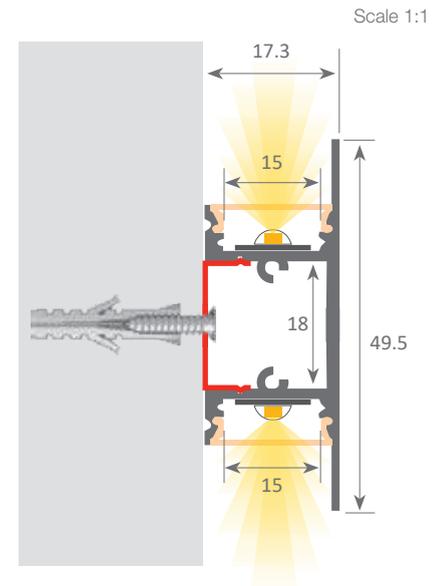
Aluminium endcaps
19.141 without hole



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

led profile by Luz Negra

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised, white lacquered or black lacquered. 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
09.054	white lacquered	3m
09.055	black lacquered	3m



Polycarbonate cover

18.064	opal	3m
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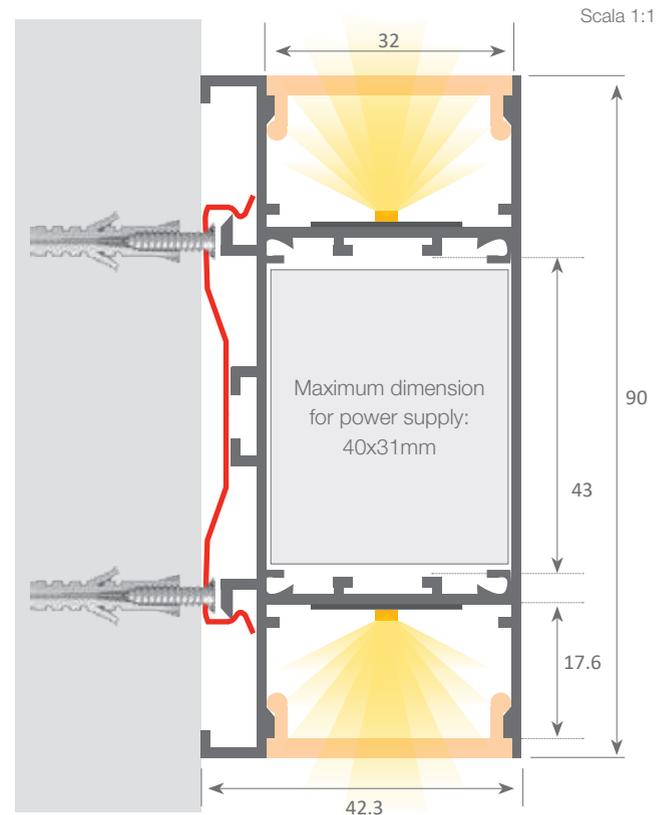
Plastic endcaps

19.142	grey without hole
19.136	white without hole
19.137	black without hole



Clip

20.025	chrome steel
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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: 1.450kg / Alloy: 6063
Perimeter: 641.4mm / Anodising minimum: 15 microns / Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0

led profile by Luz Negra

CLEVELAND

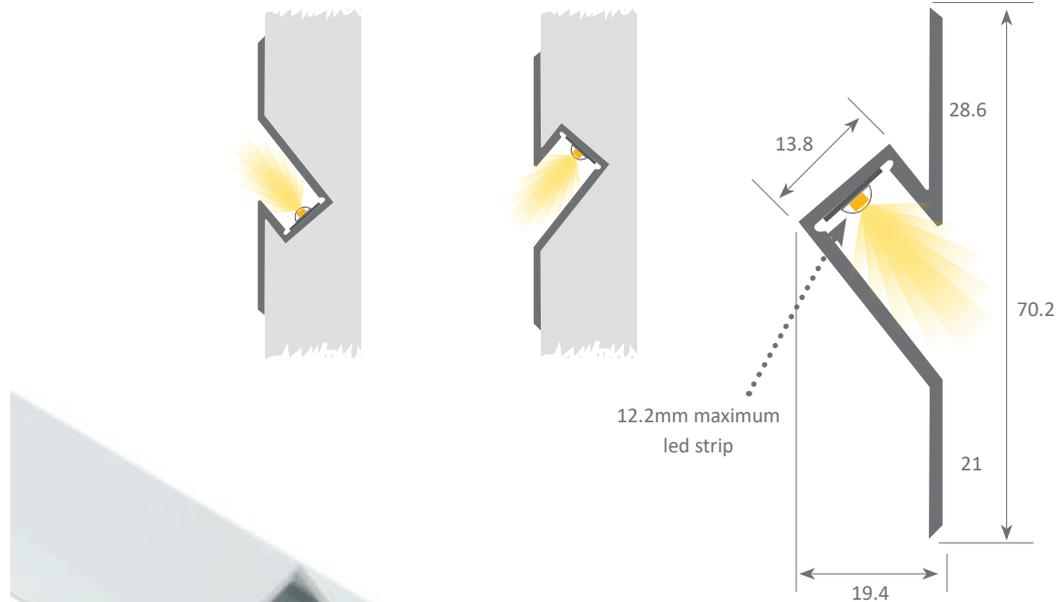
Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for indirectly lighting up aisles and walls. It can also be used in drywalls and between wooden panels to indirectly light upwards and downwards.

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.

Scale 1:1



Aluminium profile

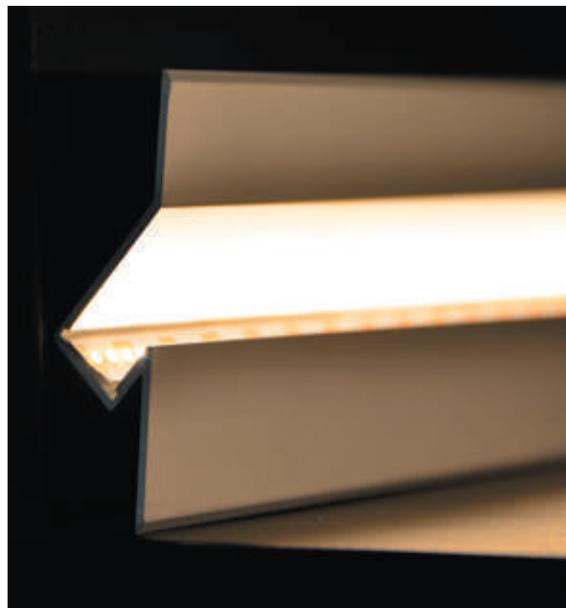
09.004 anodised silver 3m



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.

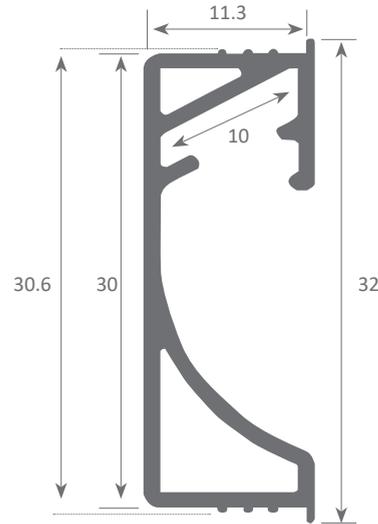
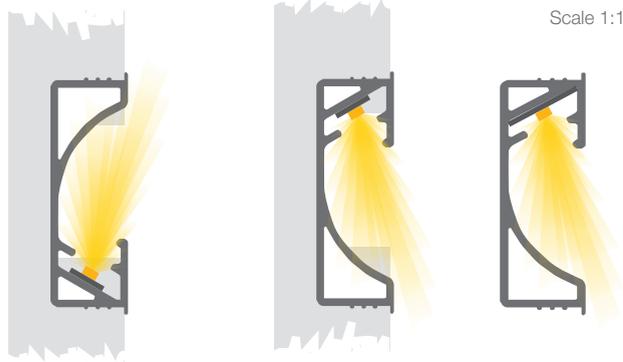
Once mounted, the profile can also be used between wooden panels to indirectly light upwards and downwards.

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

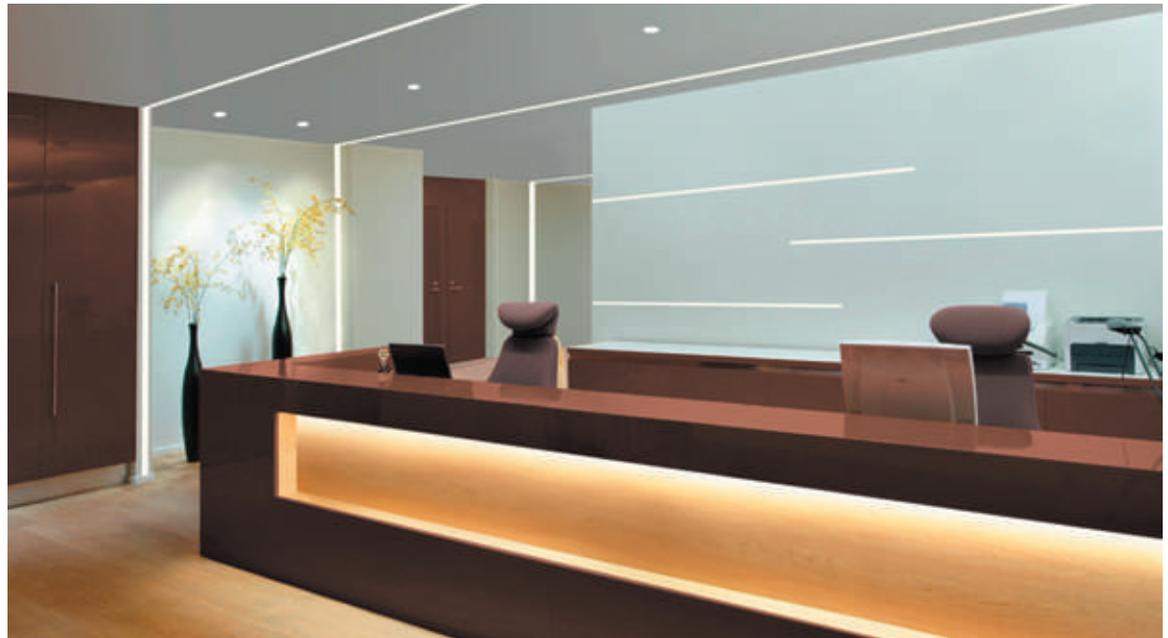
Scale 1:2



Plastic profile

09.003 white

2.60m



led profile by Luz Negra

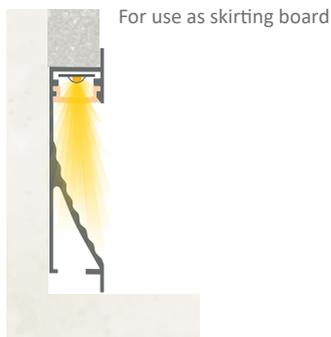
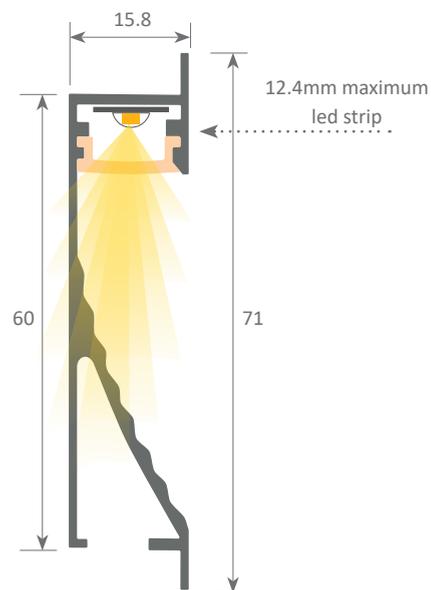
Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for indirect lighting in walls and ceilings. It can be integrated into the wall, plasterboard or wooden panels to indirectly light upwards or downwards.

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



For use as skirting board



For wall application



Aluminium profile

09.002 anodised silver 3m



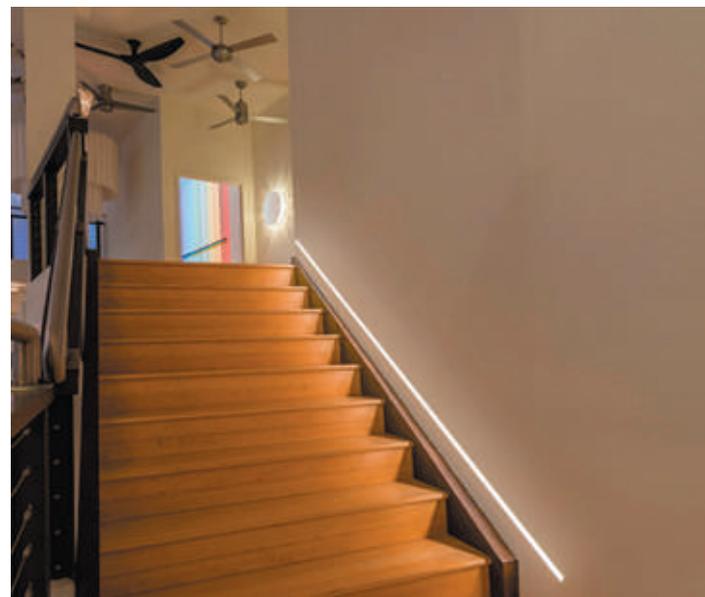
Plastic endcaps

19.138 white left (with hole) set of 2 pieces
white 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

led profile by Luz Negra

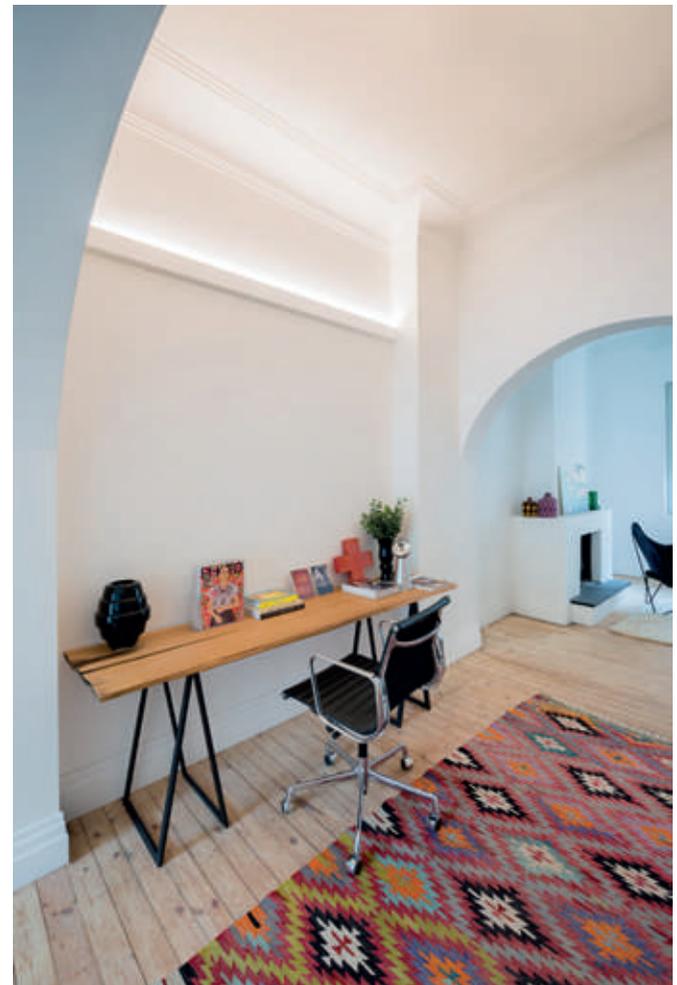
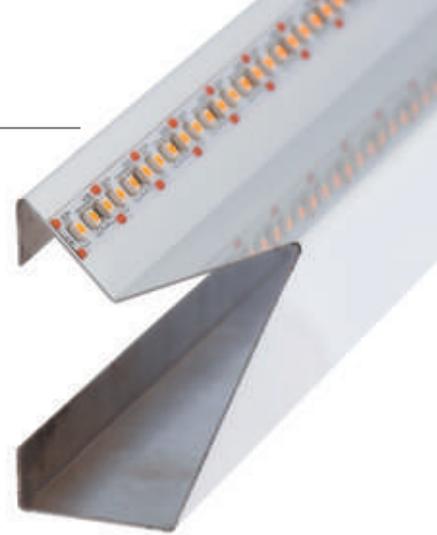
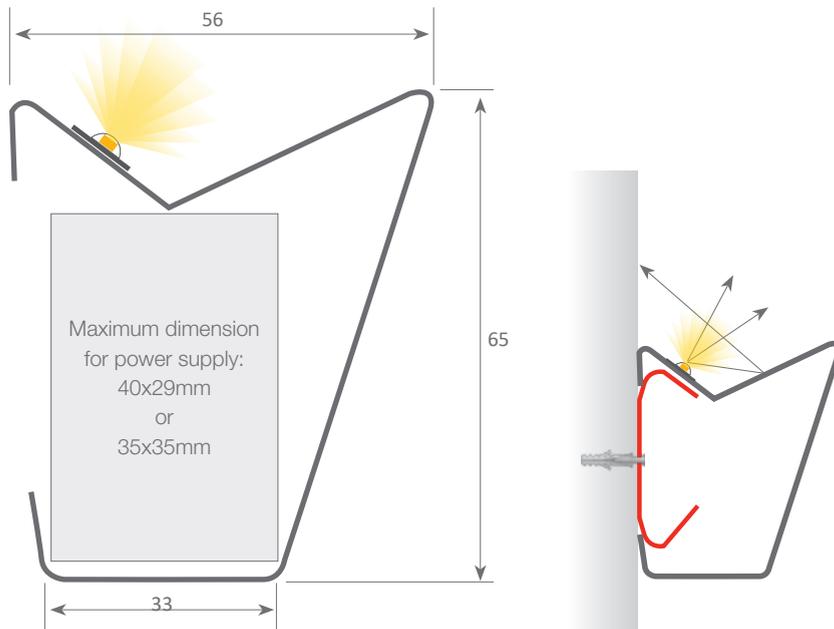
VENEZIA

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.

Scale 1:1



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.

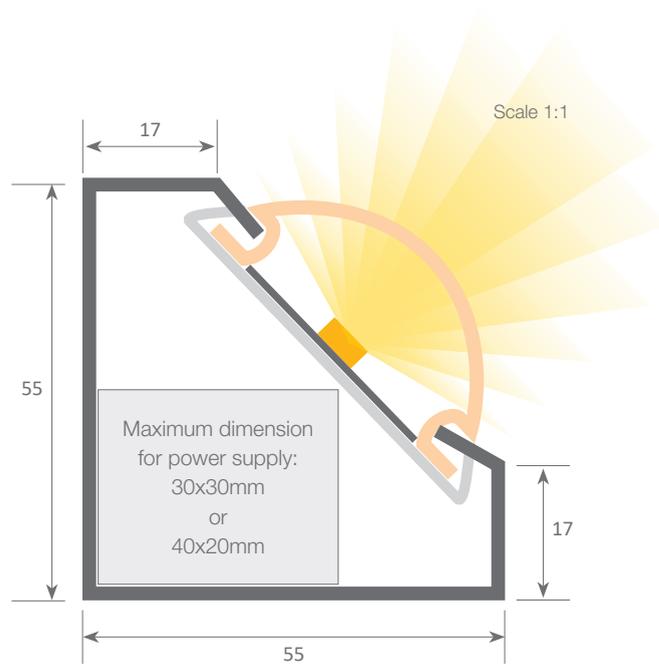
led profile by Luz Negra

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.

MONACO



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.

led profile by Luz Negra

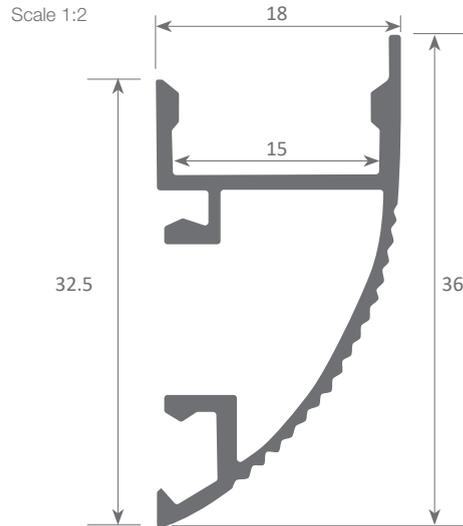
GALICIA

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
09.048	lacquered silver	3m



Plastic endcaps

19.348	white without right hole
19.222	white without left hole
19.322	white without right hole
19.323	white without left hole



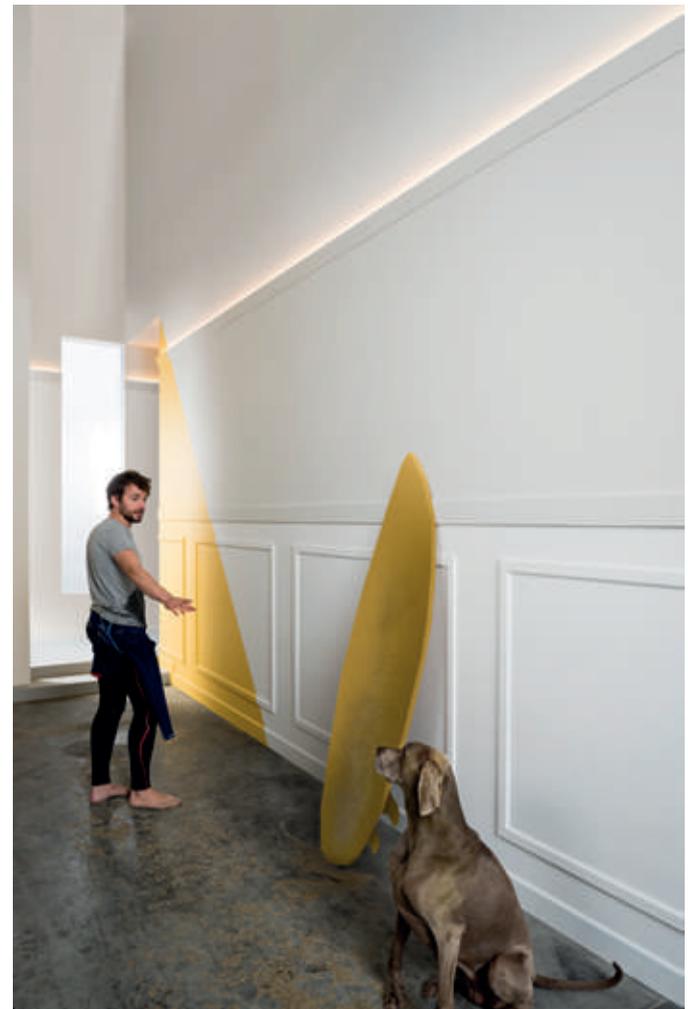
Polycarbonate cover

18.083	opal	3m
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Clip

20.052	chrome steel
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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
 Alloy: 6063 / Anodising minimum: 15 microns
 Aluminium purity: 95-98% / Material treatment: T-5 / Covers: Fireproof V0



led profile by Luz Negra

Our PROFESSIONAL led profile series for handrails, manufactured in stainless steel is supplied along with its components, on request. This profile allows us to incorporate led lighting, using our Versailles led profile (recommended option) or our Philadelphia led profile.

We also offer a wide range of accessories such as wall supports, joints, end caps and open/closed elbow joints.

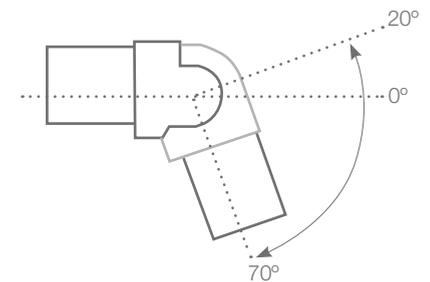
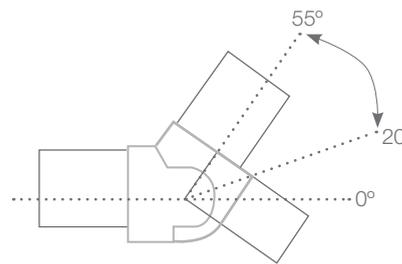
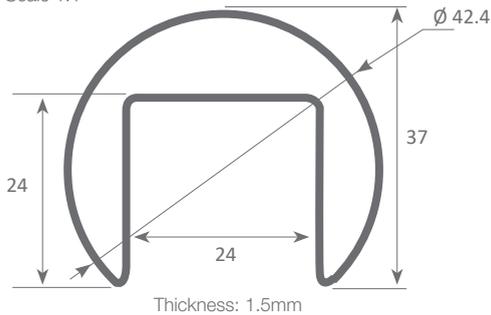
This steel profile is available in 5m lengths, which allows us to carry out long installations. Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, we recommend using our opal cover along with our ecoled strips, Canovelles-Barcelona-Gomera-COB.

We offer a 2 year guarantee.

COMENZA HANDRAIL



Scale 1:1



Stainless steel profile

- 12.008 polished stainless steel 5m
- 12.008 polished stainless steel "satin finish" 5m



Corner connector

- 22.026 polished stainless steel
- 22.026 polished stainless steel "satin finish"



Wall support

- 22.027 polished stainless steel
- 22.027 polished stainless steel "satin finish"



Adjustable connector

- 22.028 polished stainless steel
- 22.028 polished stainless steel "satin finish"



Adjustable connector 55° / 20°

- 22.029 polished stainless steel
- 22.029 polished stainless steel "satin finish"



Joint

- 22.030 polished stainless steel
- 22.030 polished stainless steel "satin finish"



Closing endcap

- 19.152 polished stainless steel
- 19.152 polished stainless steel "satin finish"



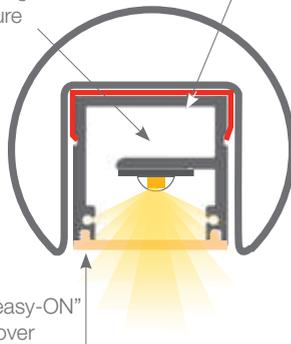
Regulations: Technical Building Code TBC by Applus
Handrail diameter: Ø 42mm / AISI 316 Stainless steel - resistant to corrosion and high temperatures



COMENZA led profile

COMENZA HANDRAIL

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

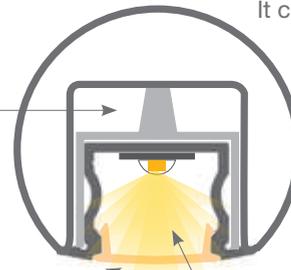


IP65 "easy-ON" cover



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

"20.030" 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



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

18.014	transparent	2m
18.015	frosted	2m
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

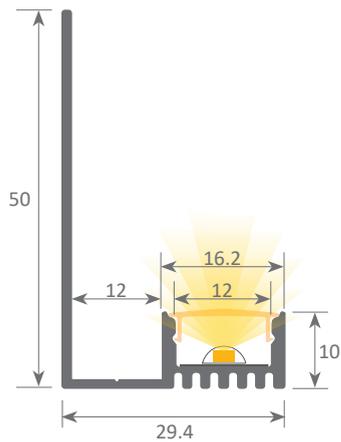
led profile by Luz Negra

TALLIN

Our BASIC led profile series for ceilings and walls is manufactured in high purity aluminium and available in white. This profile is designed to be used in ceilings or walls, offering an easy and elegant perimetral lighting. This is perfect for concealing the edges in false ceilings. Suitable for led strips with a maximum width of 12mm and a power not greater than 20W/m. We recommend our COB or Elite ecoled strips in order to achieve a homogeneous lighting, while also improving the dot free effect.

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

Scale 1:1



Aluminium profile

08.032 white 3m



Plastic endcaps

19.169 white with hole set of 2 pieces
white without hole

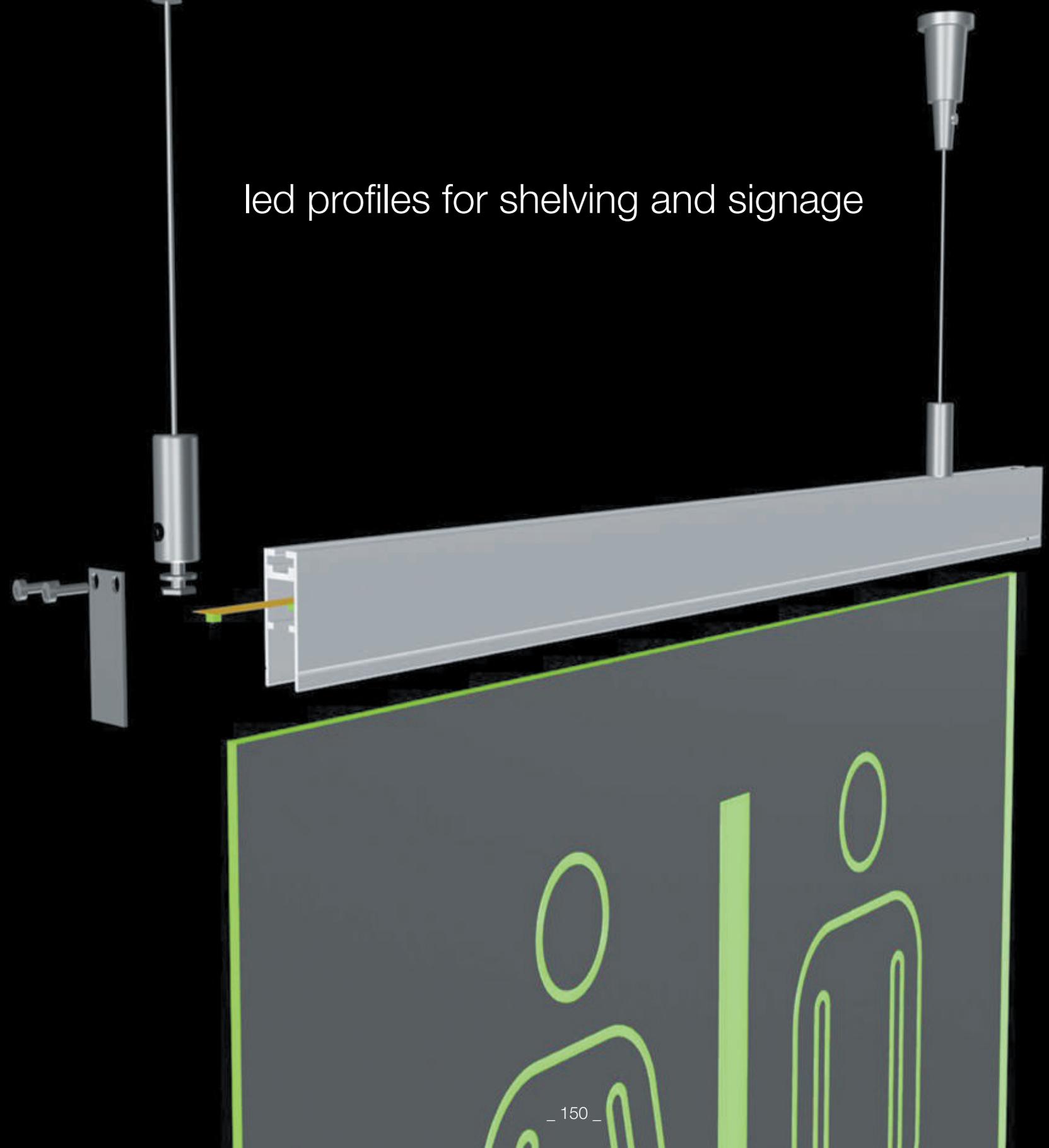


Polycarbonate cover

18.119 opal 3m



led profiles for shelving and signage





HANNOVER

152



GINEBRA

154



COLONIA

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PLEXILED
SLIM

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PLEXILED

157



A03

158



PLETINA

159



ALFA 2

160



MONTECARLO

161



BONIN

161A

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.

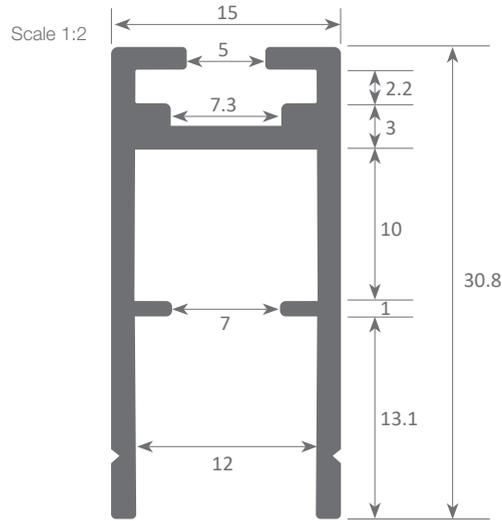
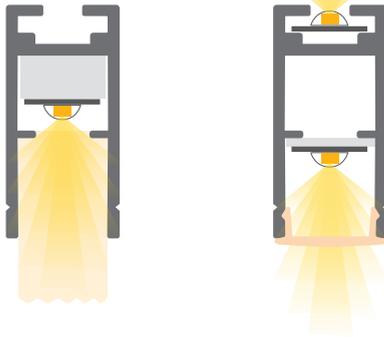
Its etched methacrylate surface makes it ideal for hanging (display signs). We can also manufacture hanging or wall-based luminaires, both with Up&Down or side lighting. Its use with glass or methacrylate converts it into a practical illuminated shelf.

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



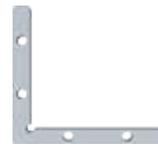
Aluminium profile

12.001	anodised silver	3m
12.002	anodised silver	6m



Endcaps

19.146	silver aluminium with hole
19.147	plastic without hole



90° angle bracket

22.003	steel
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Hanger cable

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

(clip not included)



Polycarbonate cover

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.018	opal	3m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m



Methacrylate cover

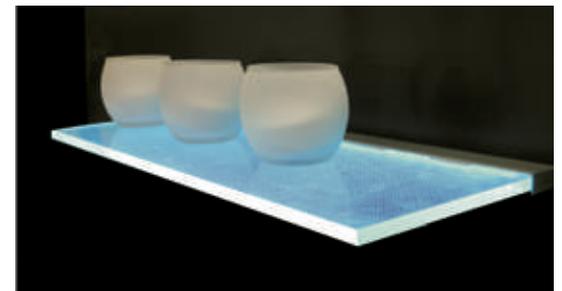
18.014	transparent	2m
18.015	frosted	2m
18.016	transparent	6m
18.017	frosted	6m



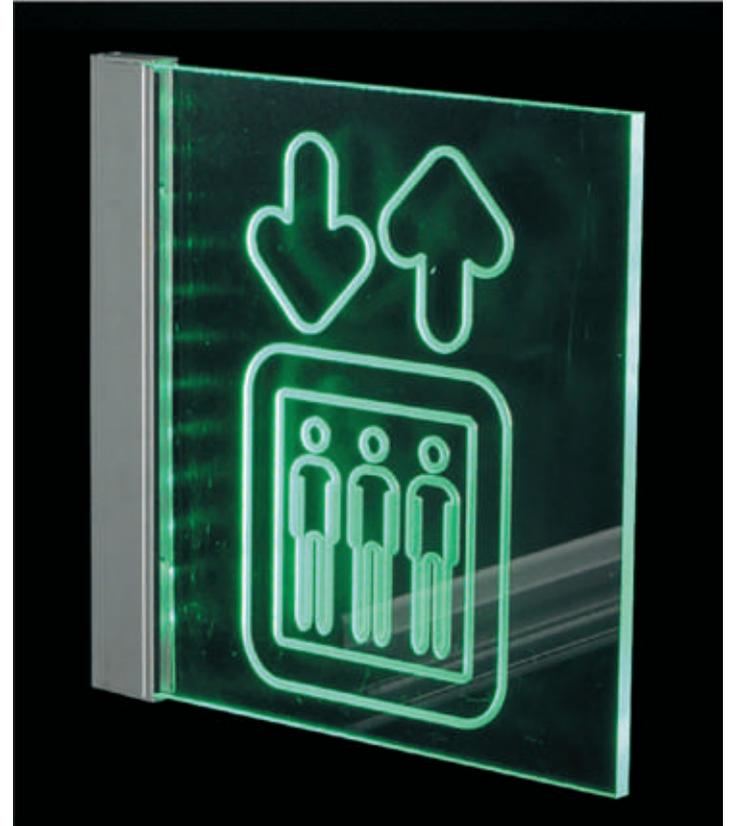
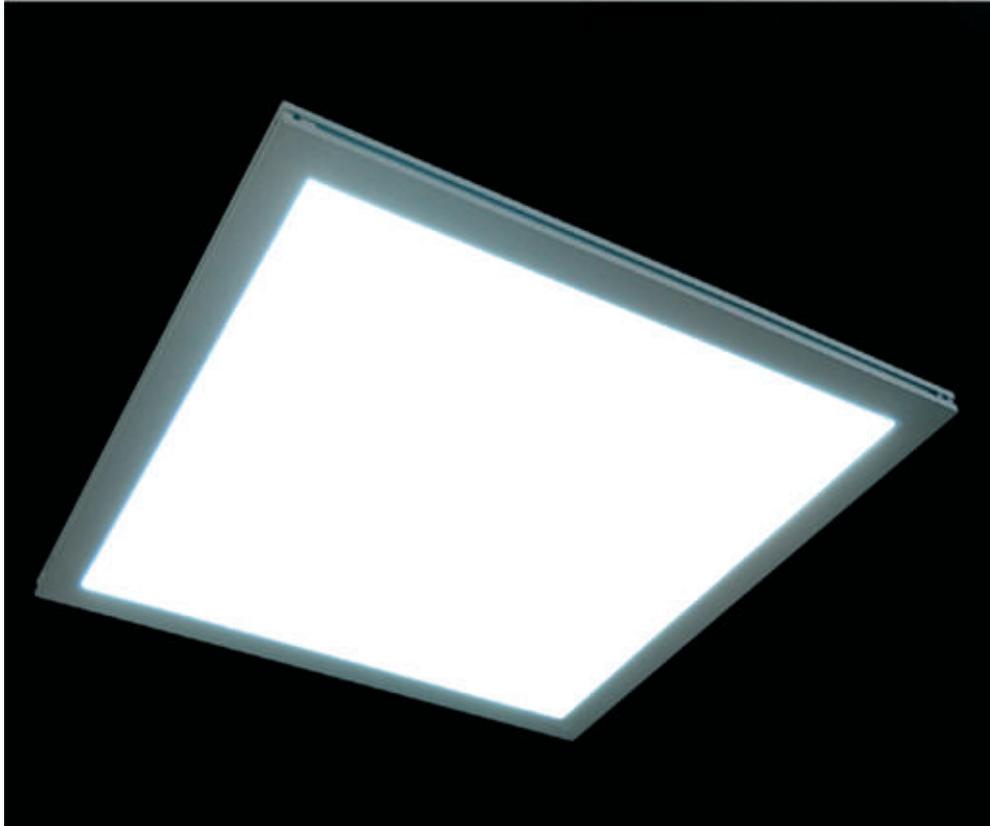
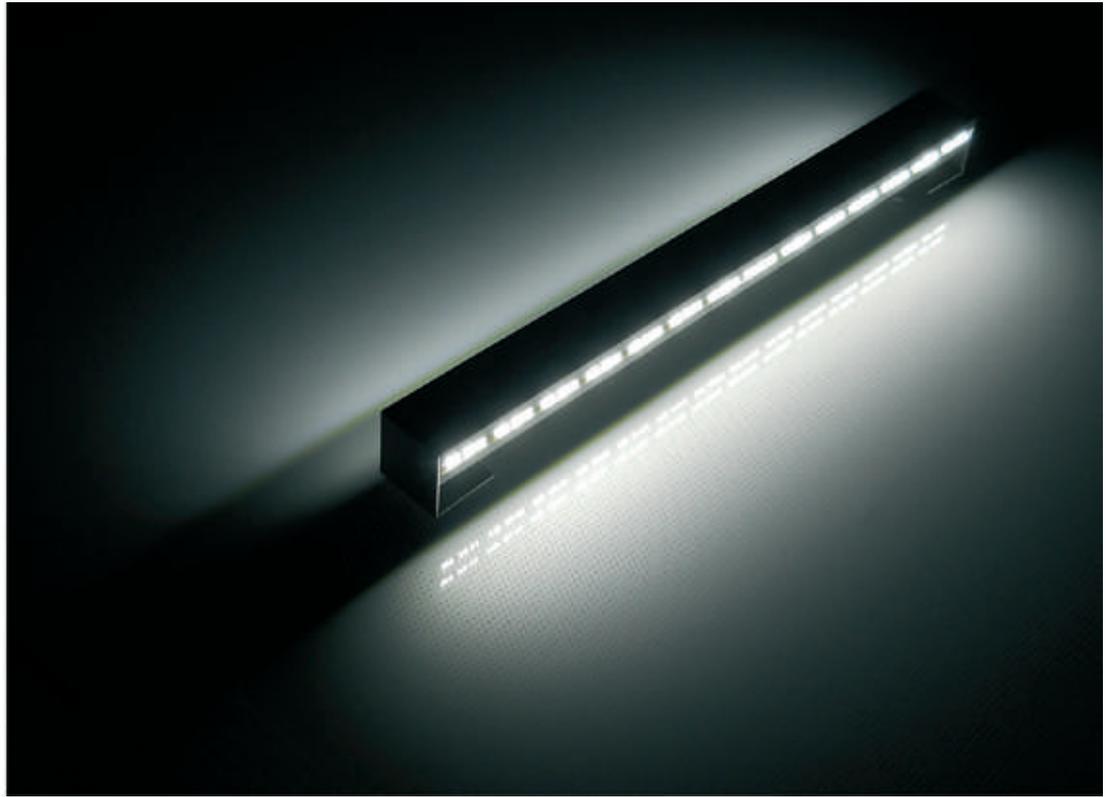
Bracket

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



led profile by Luz Negra

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).

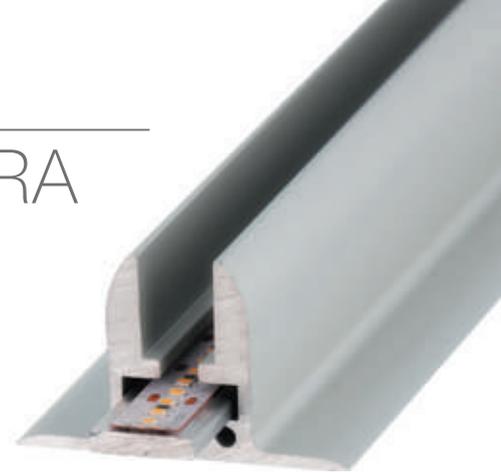
We can also use it as an illuminated shelf with glass or methacrylate.

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

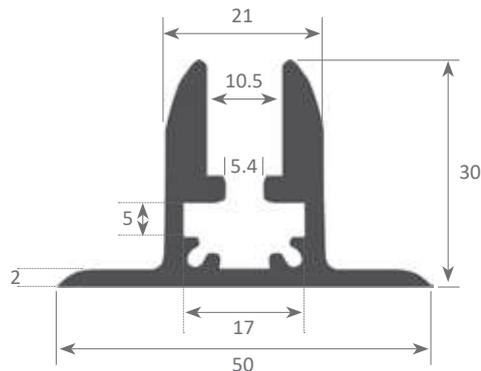
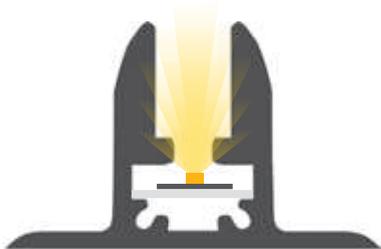
We recommend using it with our Avila ecoled strip in order to obtain white or coloured illumination.

We offer a 10 year guarantee.

GINEBRA



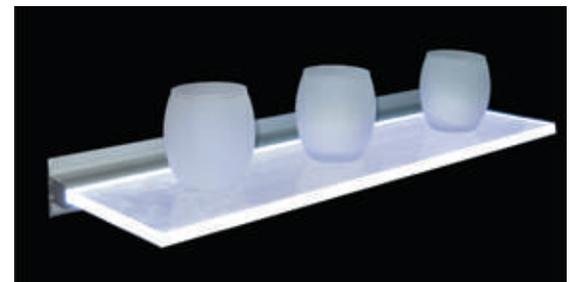
Scale 1:1



Aluminium profile
12.003 anodised silver 3m



Endcaps
19.149 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

led profile by Luz Negra

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

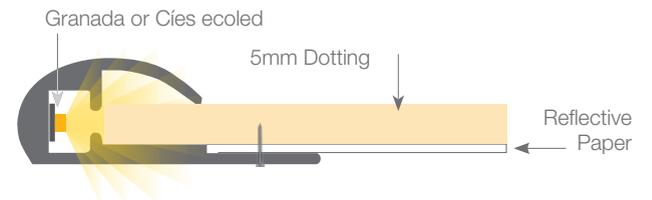
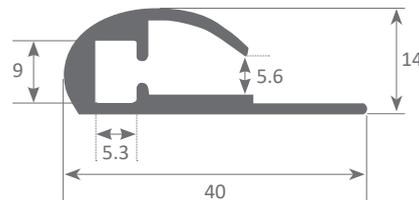
Suitable for use with led strips with a maximum width of 5mm such as our Granada or Cíes ecoled strips. It is designed to house 5mm optic methacrylate in order to achieve a luminous panel.

We offer a 10 year guarantee.

COLONIA



Escala 1:1



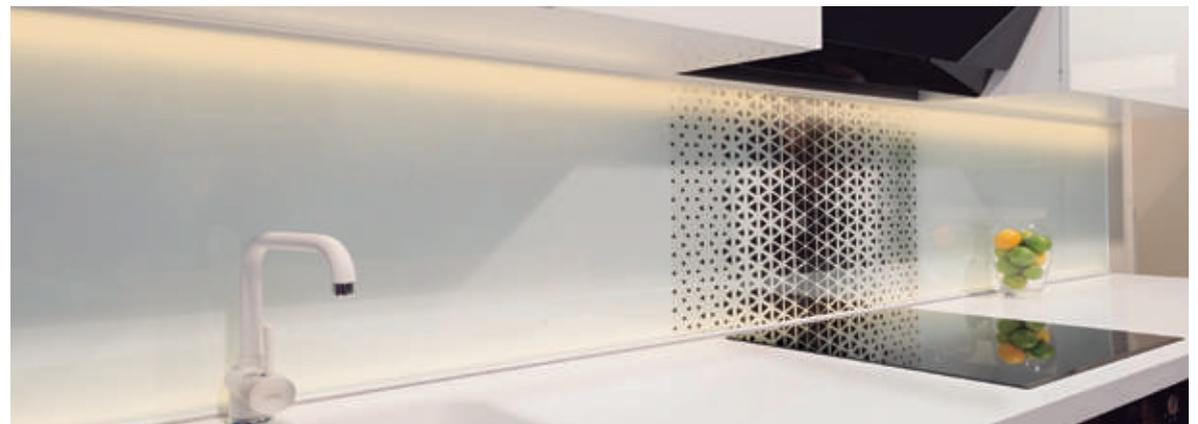
Aluminium profile
12.016 anodised silver 3m



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

led profile by Luz Negra

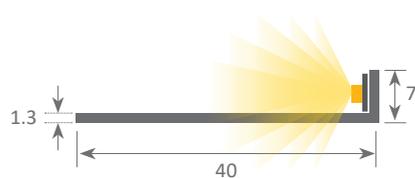
Our BASIC led profile series is manufactured in high purity aluminium and available in silver anodised. This profile is a good provider of heat dissipation and can be used for walls and furniture applications, where the led strips are fixed to the sides. Moreover, it also offers upward and downward lighting. Suitable for led strips with a maximum width of 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



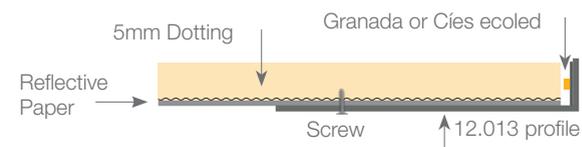
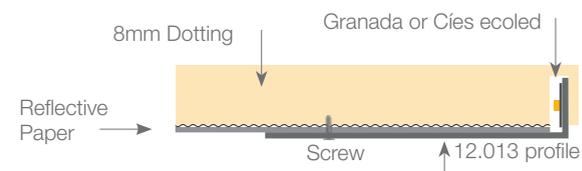
Adhesive magnet

42.001 12mm 1m



Adhesive tape

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



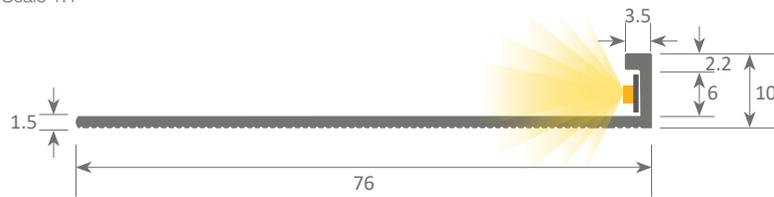
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2
Theoretical weight: 0.161kg / Alloy: 6063 / Perimeter: 0.094mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5

PLEXILED

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-Cies ecoled strips. It is mainly used as a heat dissipating plate for led panels, combined with our PLEXILED optic methacrylate.

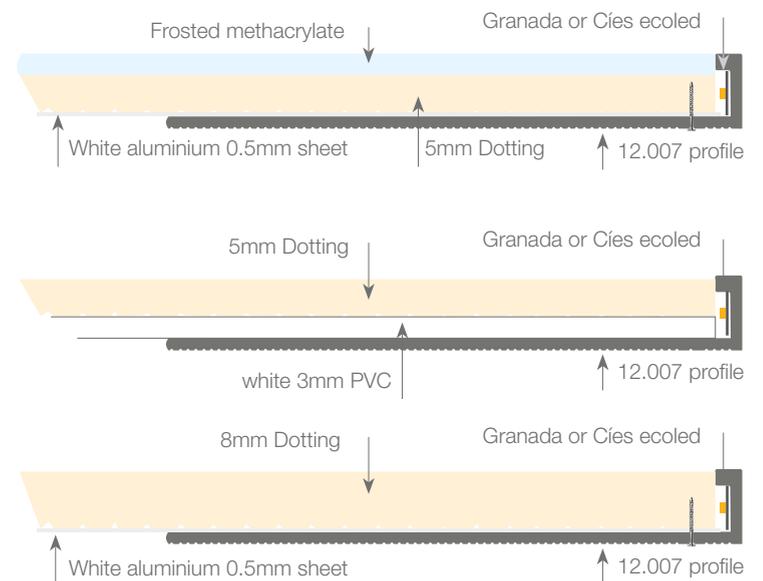
We offer a 2 year guarantee.

Scale 1:1



Plexiled profile

12.006	anodised silver	2m
12.007	anodised silver	6m



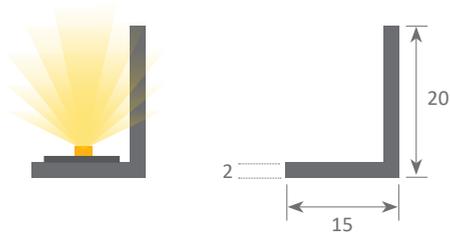
led profile by Luz Negra

A03

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.

Scale 1:1



Aluminium profile

12.009	anodised silver	6m
12.010	white lacquered	6m
12.011	black lacquered	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.

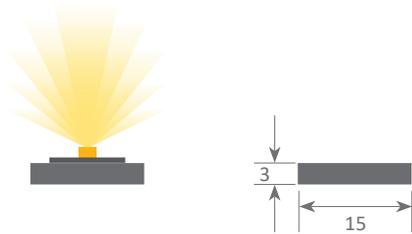
Suitable for use with led strips with a maximum width of 15mm and a power not greater than 20W/m. We recommend using it with our Canovelles-Barcelona-Gomera-COB ecoled strip.

We offer a 2 year guarantee.

PLETINA



Scale 1:1



Aluminium profile
12.017 raw (1000x15x3mm)



Aluminium profile
22.189 raw (1000x15x3mm)



Aluminium profile
22.191 raw (1000x15x3mm)



Aluminium profile
22.190 raw (1000x15x3mm)



Adhesive magnet
42.001 12mm 1m



led profile by Luz Negra

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.

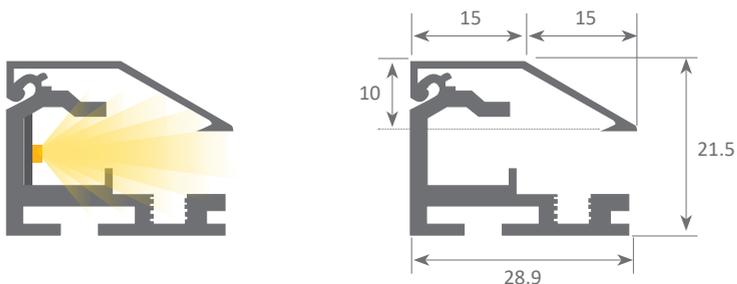
We offer a 10 year guarantee.

ALFA 2



Scale 1:1

Foldable front panel



Aluminium profile

12.004 anodised silver 3m
12.005 anodised silver 6m

Bracket

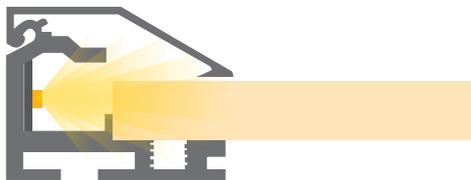
22.025 aluminium

Plate

22.024 steel spring

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

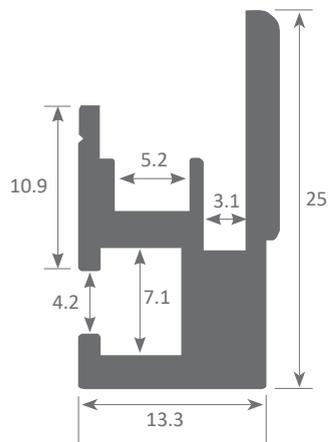
Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in silver anodised. It is ideal for the manufacturing of extremely thin luminous panels for ceilings or advertising displays.

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

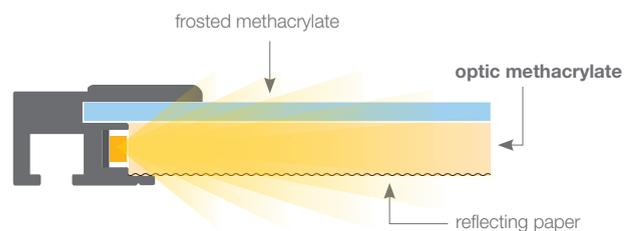
We offer a 10 year guarantee.

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



90° angle bracket

22.003 steel



Hanger cable

21.001 chrome 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

led profile by Luz Negra

BONN

Our PROFESSIONAL led profile series is manufactured in high purity aluminium and available in anodised black.

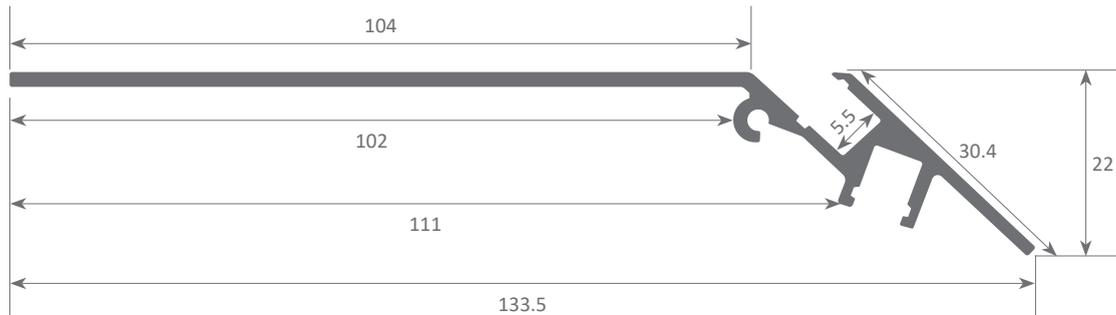
It is ideal for using with furniture, shelving or similar as it offers up and down lighting. Both profile and covers are available in lengths of 1m.

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

We recommend using with our COB ecoled strips to achieve a more homogeneous and diffused illumination.

We offer a 5 year guarantee.

Scale 1:1



Aluminium profile

12.022 black anodised 1m



Polycarbonate cover

18.137 frosted 1m



Plastic endcaps

19.433 blank without hole (left)

19.434 blank without hole (right)







MILANO SLIM

164



HARMONY

166



HARMONY XS

168



MONTRY

170



CANNES

170



LILLE

170



ARLES

170



ESBLY

170



AVIÑÓN

170



MARSELLA

170



LYON

172



OREGON

173

led profile by Luz Negra

MILANO SLIM



IP65



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.

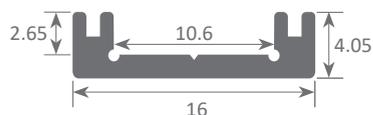
It is suitable for led strips with a maximum length of 10mm, whose power level does not exceed 15W/m. In order to obtain a more homogeneous and diffused illumination, we recommend using with our opal cover with COB ecoled strips.

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

Scale 1:1



Scale 1:2



Aluminium profile

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



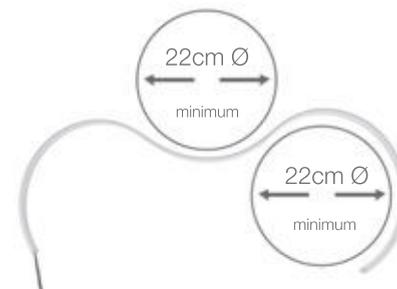
Plastic endcaps

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



Clip

20.066 plastic



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
18.134	frosted	60m



Black&White cover "easy-ON"

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

Polycarbonate cover "easy-ON"

18.135	microprism	2m
18.136	microprism	6m



Profile bending machine

22.031 22cm Ø minimum profile curvature



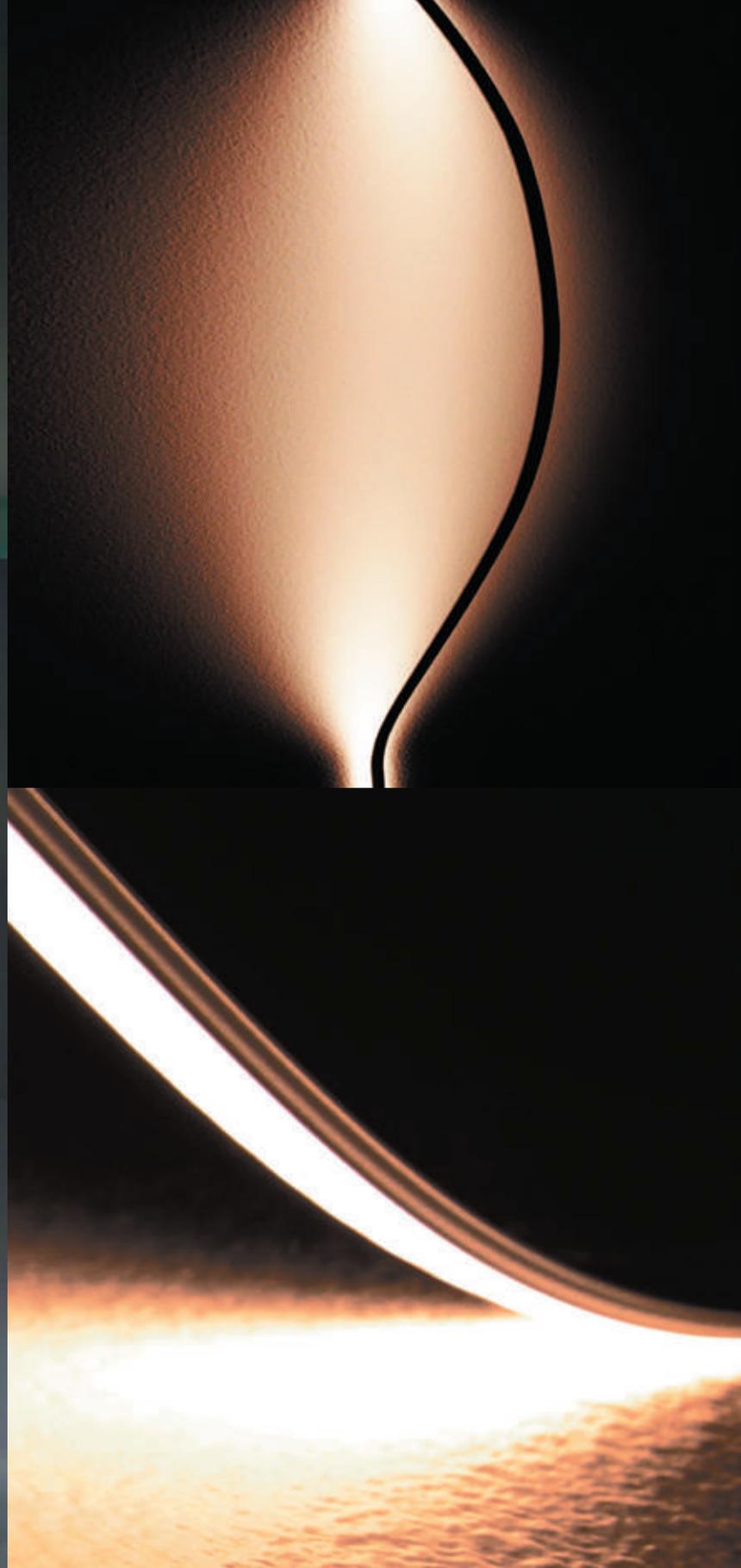
Hanging KIT

21.001	chrome	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: 0.089kg / Alloy: 6063 / Perimeter: 52mm / Anodising minimum: 15 microns
Aluminium purity: 95-98% / Material treatment: T-5 / Covers: methacrylate (greater protection against UV rays)



led profile by Luz Negra

HARMONY

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.

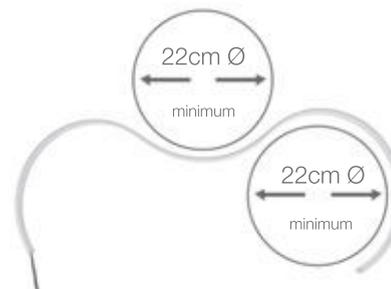
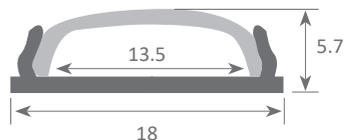
We offer a 2 year guarantee on profiles and covers.



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
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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: 0.052kg / 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

led profile by Luz Negra

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.

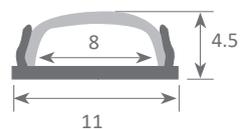
Suitable for led strips with a maximum width of 6mm and a power not greater than 20W/m. In order to obtain a more homogeneous illumination, we recommend combining it with our Cies ecoled strips.

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



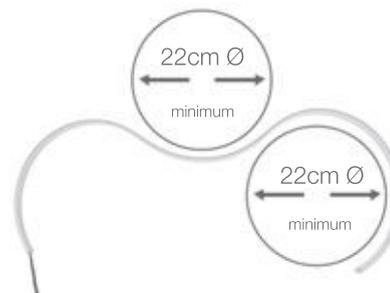
Polycarbonate cover

18.067	opal	3m
18.068	transparent	3m



Clip

20.028	chrome steel
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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: 0.033kg / 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

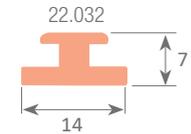
MONTRY Cover

Minimum profile curvature: 50mm
Compatible with magnetic base 22.032

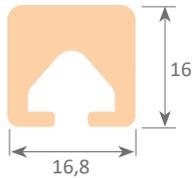


MONTRY Magnetic base

Scale 1:1



Scale 1:1



Rubber profile PVC

11.006 white 50m roll
11.007 white 10m roll

CANNES

Minimum profile curvature: 50mm

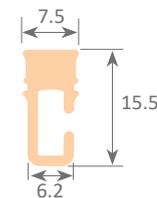
Rubber profile PVC

11.012 white 40m roll
11.013 white 10m roll

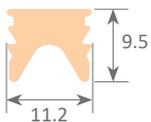
ESBLY

Minimum profile curvature: 50mm

Scale 1:1



Scale 1:1



Rubber profile PVC

11.008 white 50m roll
11.009 white 10m roll

LILLE

Minimum profile curvature: 50mm

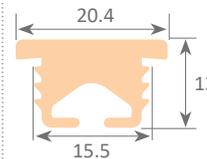
Rubber profile PVC

11.014 white 25m roll
11.015 white 10m roll

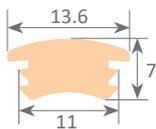
AVIÑON

Minimum profile curvature: 80mm

Scale 1:1



Scale 1:1



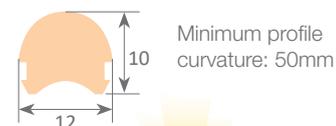
Rubber profile PVC

11.010 white 40m roll
11.011 white 10m roll

ARLES

Minimum profile curvature: 80mm

Scale 1:1

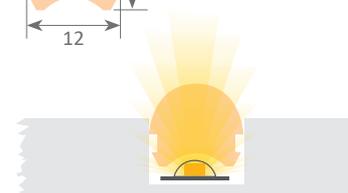


Minimum profile curvature: 50mm

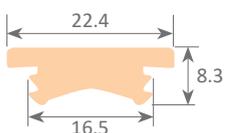
MARSELLA

Rubber profile PVC

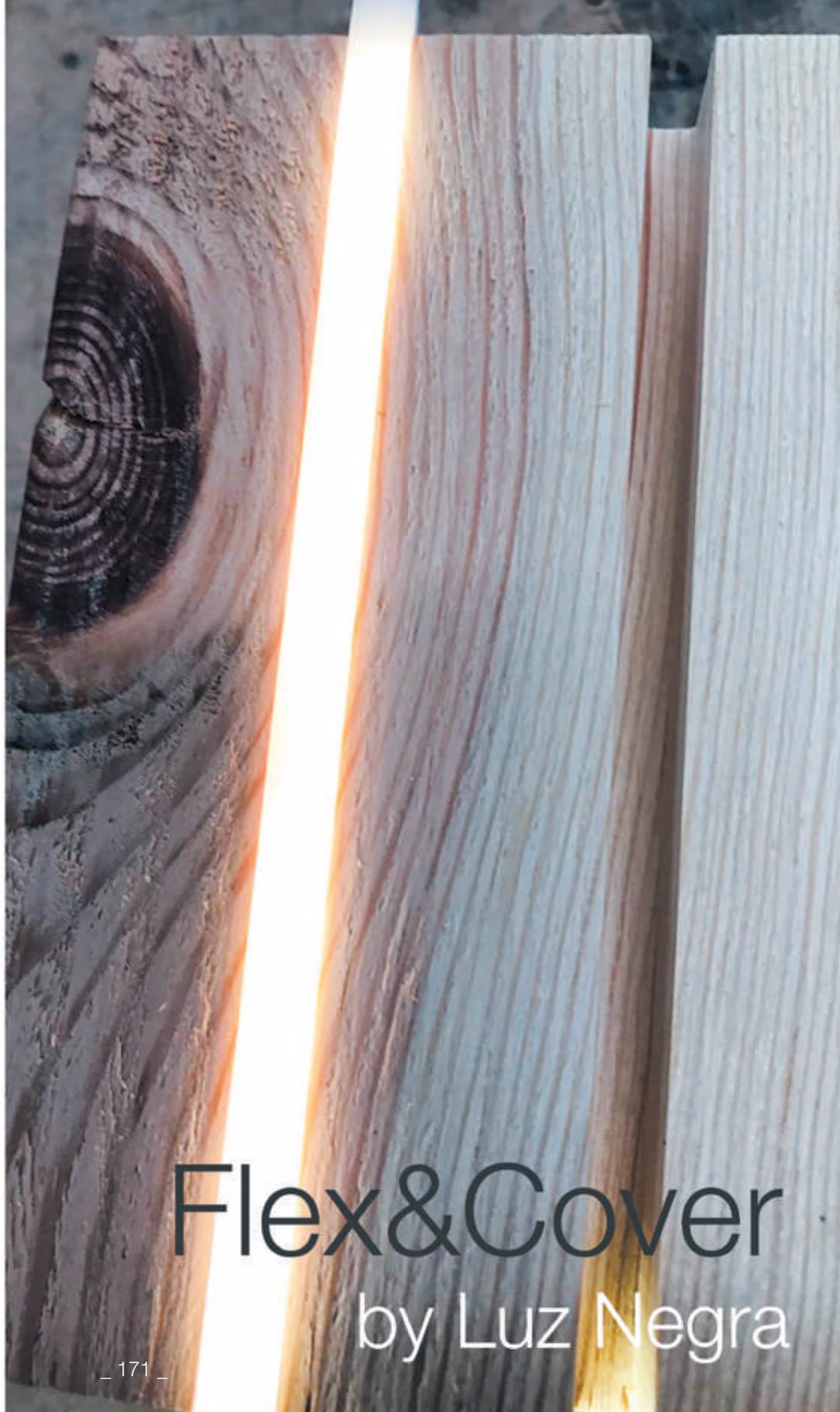
11.020 yellow 10m roll
11.021 green 10m roll
11.022 blue 10m roll
11.023 white 10m roll
11.024 orange 10m roll
11.025 red 10m roll
11.026 pink 10m roll
11.027 purple 10m roll



Scale 1:1



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

LYON

Our BASIC led profile series for surface applications is manufactured in a grey coloured flexible silicone (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 PRO ecoled strip, which offers an IP67 DUO protection layer (preventing dust and dirt from entering).

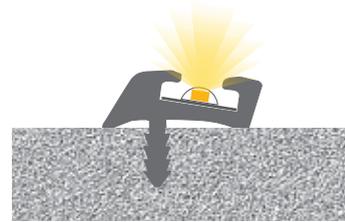
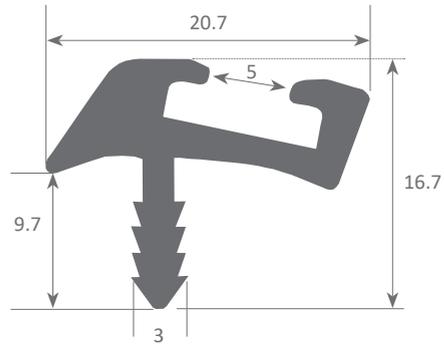
We offer a 2 year guarantee.



Scale 1:1



Scale 1:2



Silicone profile

11.019 grey

1m







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 MICRO

176



NEON MINI

177



NEON CUADRADO

178



NEON REDONDO

180



NEON REDONDO XL

181



NEON DOBLE

182



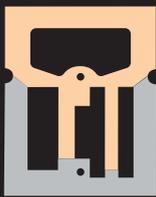
NEON XL

183



NEON LAS VEGAS

184



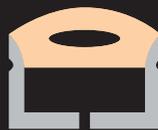
NEON LAS VEGAS XL

185



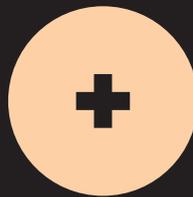
FONTANA

186



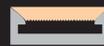
NEON EASY

186A



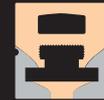
NEON 360°

186B



NEON SLIM

186D



NEON CUADRADO XL

186E



NEON LAS VEGAS EASY

186F

led profile by Luz Negra

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).

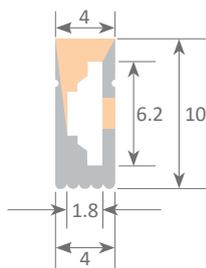
It has an internal cavity that can house an IP20 led strip, with a PCB of 4mm or 5mm and the recommended power not greater than 12W/m. We recommend combining this profile with ecoled Cies. Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (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.

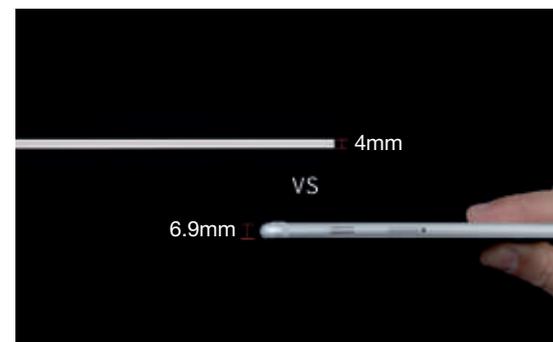
NEON MICRO



Scale 1:2



Scale 1:1



Neon 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



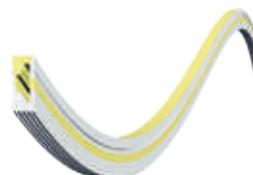
Clip

20.031 white plastic
20.032 aluminium



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



How to bend



led profile by Luz Negra

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).

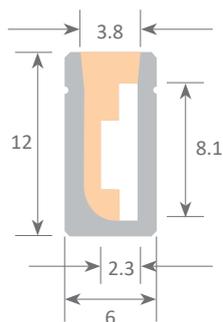
It has an internal cavity that can house an IP20 led strip, with a PCB of 4mm or 5mm and the recommended power not greater than 12W/m. We recommend combining this profile with ecoled Cíes. Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (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



Scale 1:2



Scale 1:1



Neon Mini Led

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

Silicone endcaps

19.162 without hole
19.163 with hole



Die-cut profile

10.218 aluminium m



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Clip

20.033 aluminium



How to bend



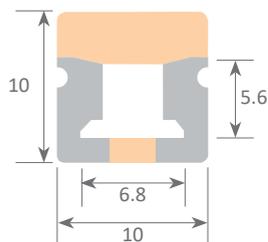
A high quality silicone profile with an opal front. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts and corporate letters, similar to traditional neons. It has an internal cavity that can house an IP20 led strip, with a PCB of 4mm or 5mm and the recommended power not greater than 12W/m. We recommend combining this profile with ecoled Cob 5mm. 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 1:2



Scale 1:1



Neon 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



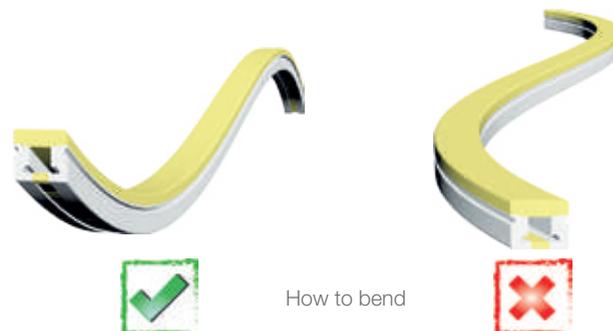
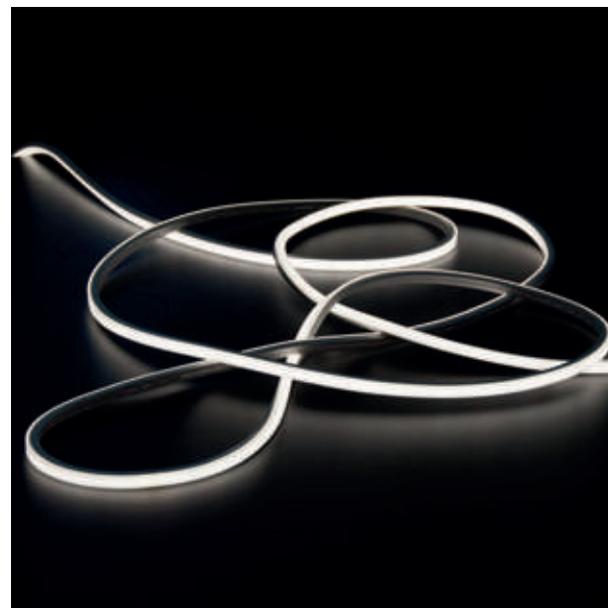
Clip

20.034 aluminium



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Get
them eat
cupcakes

led profile by Luz Negra

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 an internal cavity that can house an IP20 led strip, with a PCB of 4mm or 5mm and the recommended 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).

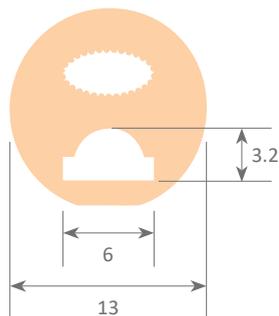
We offer a 2 year guarantee.

NEON REDONDO



Scale 1:2

Scale 1:1



Neon 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

22.138 opal 45ml
22.140 transparent 45ml



How to bend



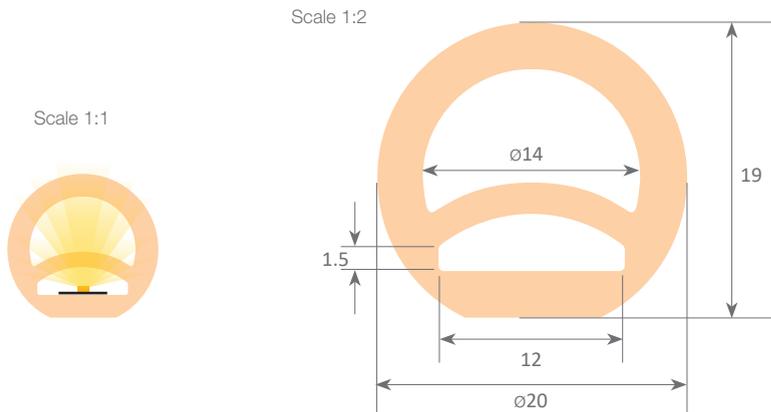
led profile by Luz Negra

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 an internal cavity that can house an IP20 led strip, with a PCB of 10mm and the recommended 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



Neon Redondo XL Led

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



Silicone endcaps

19.226 with hole
19.227 without hole



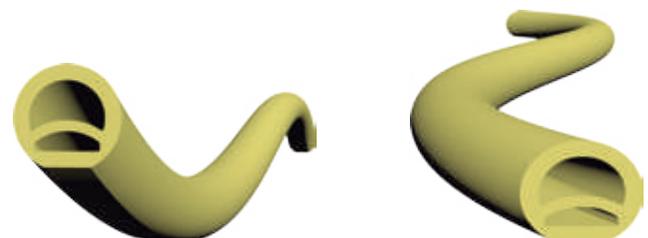
Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Clip

20.065 plastic



How to bend



led profile by Luz Negra

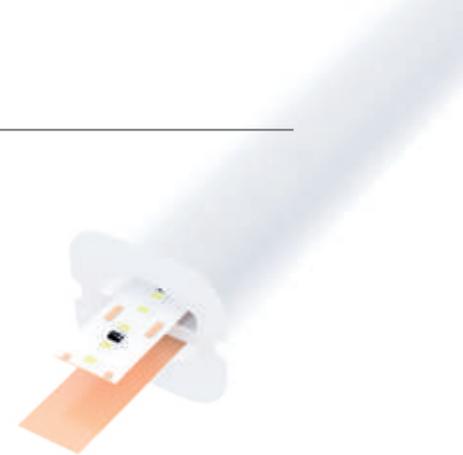
A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, floor embedding etc.

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

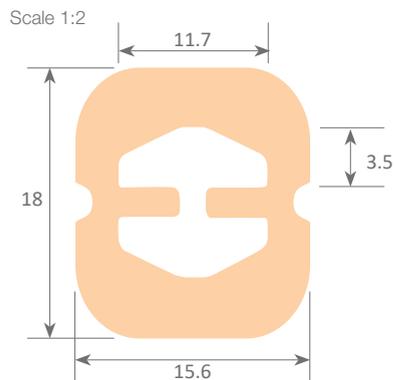
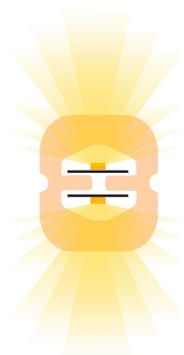
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 25m rolls or cut to size (minimum 1m MOQ).

We offer a 2 year guarantee.

NEON DOBLE



Scale 1:1



Neon 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

22.138 opal 45ml
22.140 transparent 45ml



How to bend



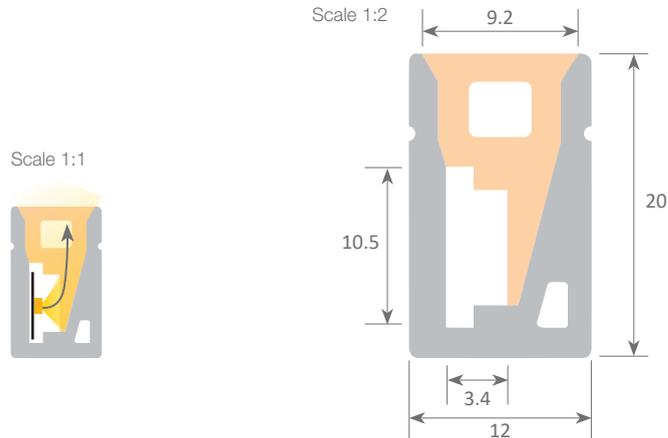
led profile by Luz Negra

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 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 XL Led

10.005 Neón XL 1-100m
(PCB max. 10mm)



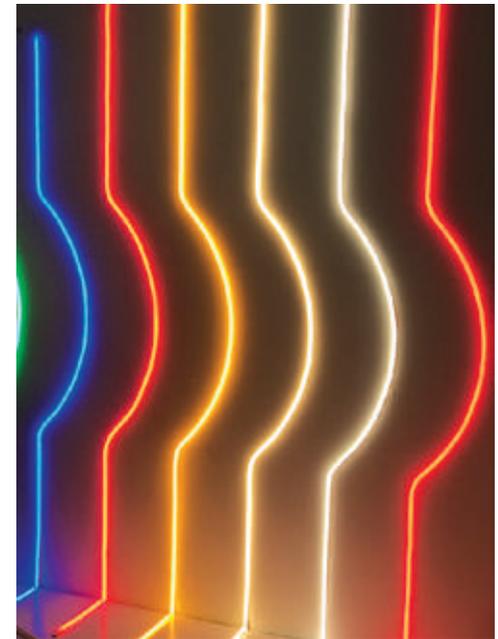
Die-cut profile

10.219 aluminium m



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Silicone endcaps

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



Clip profile

20.080 white aluminium 2m



Clip

20.036 aluminium
20.079 white aluminium



How to bend



led profile by Luz Negra

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 PCB of 10mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón.

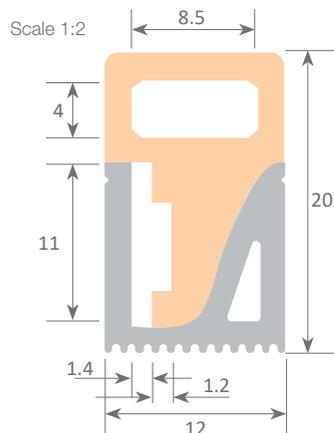
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

We offer a 2 year guarantee.

NEON LAS VEGAS



Scale 1:1



Neon Las Vegas Led

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



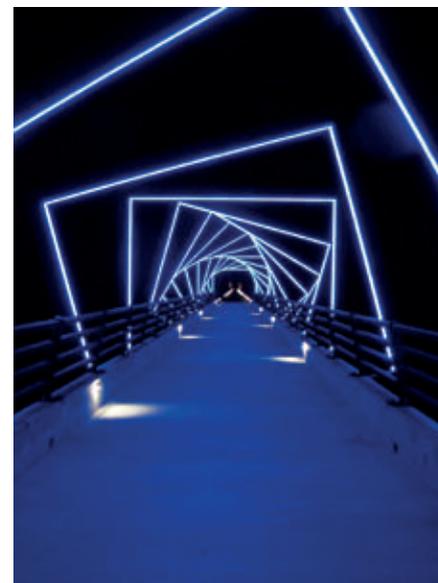
Die-cut profile

10.219 aluminium m



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Silicone endcaps

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



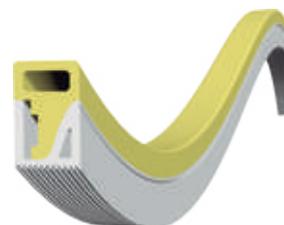
Clip profile

20.080 white aluminium 2m



Clip

20.037 aluminium
20.079 white aluminium



How to bend

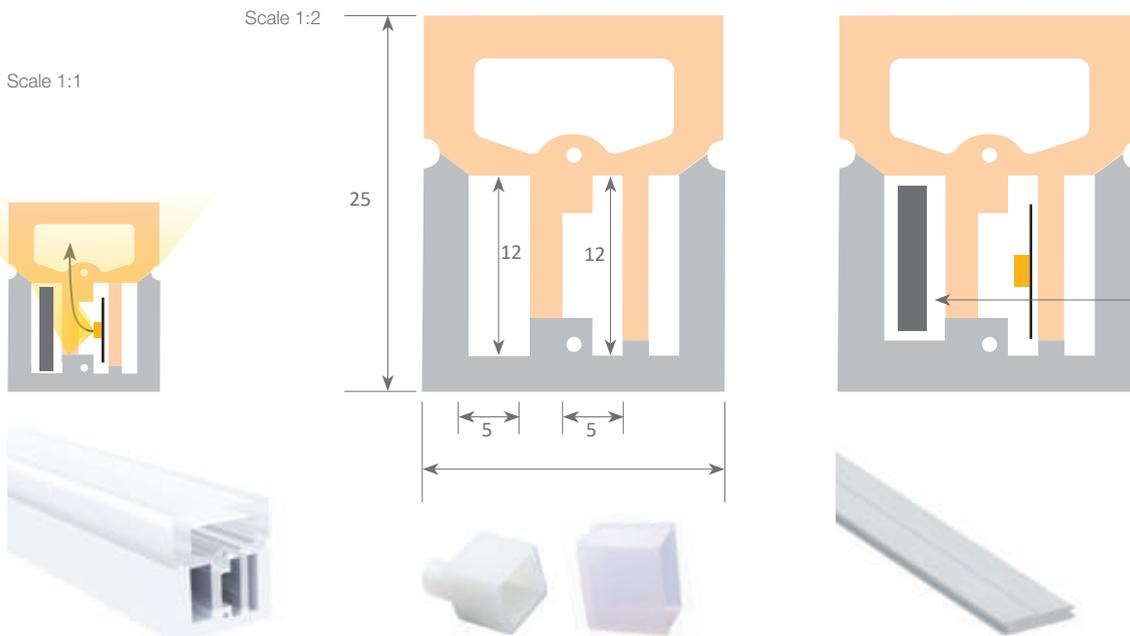


A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts specially when large corporate letters are requested. It has one internal cavity that can house an IP20 led strip, with a PCB of 10mm 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

Neon 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



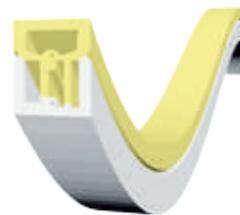
Clip

20.038 plastic
20.074 aluminium



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



How to bend



led profile by Luz Negra

FONTANA

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 PCB width of 10mm and the recommended 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.

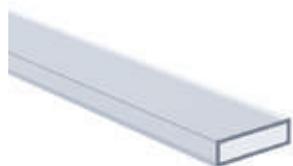
We offer a 2 year guarantee.



Scale 1:1

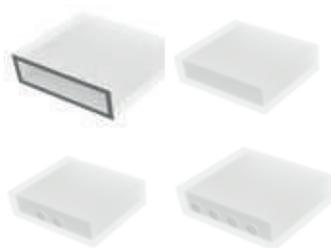


Scale 1:2



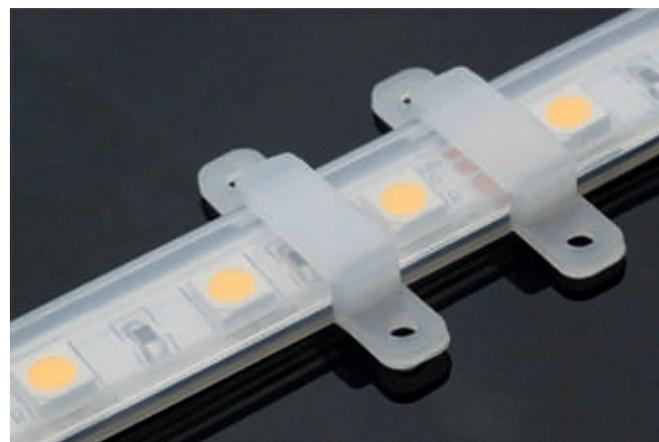
Silicone profile

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
20.077 silicone



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



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.

led profile by Luz Negra

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

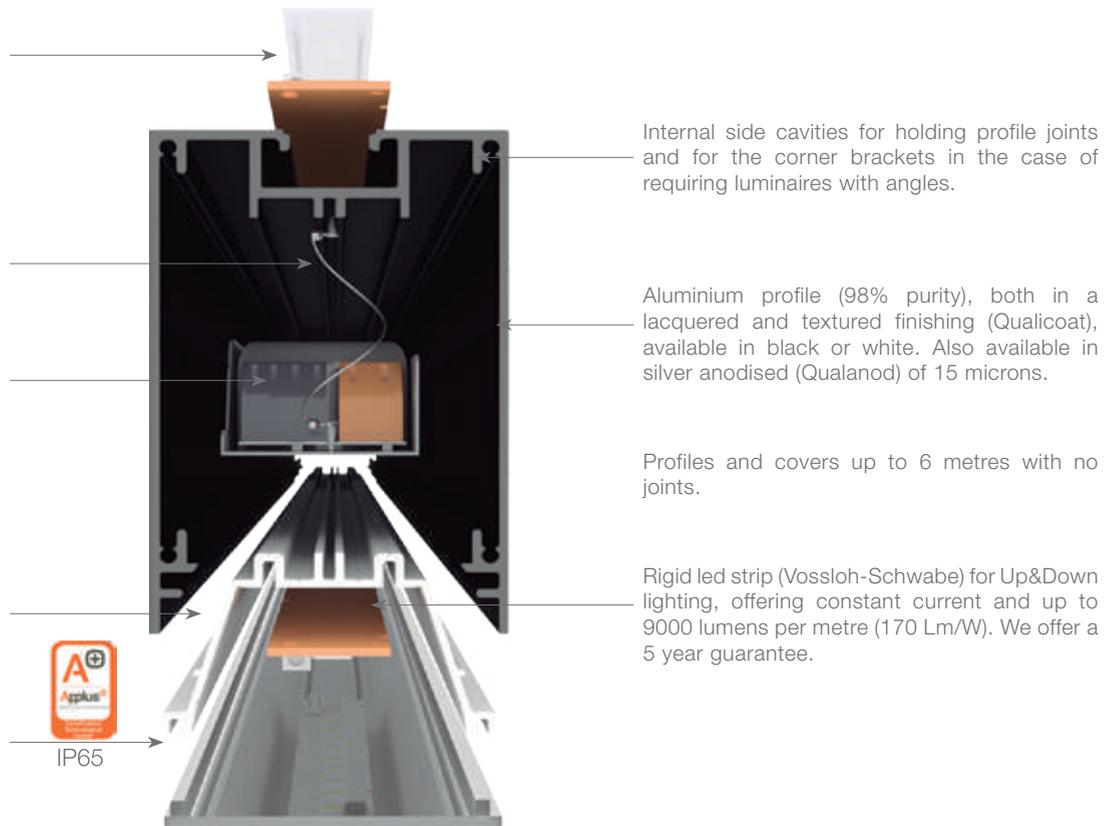
Up&Down cover available in transparent or frosted white.

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.



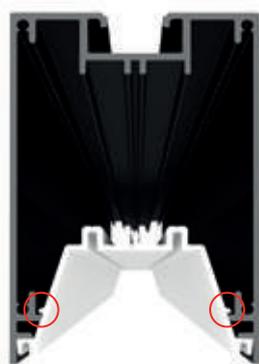
Internal side cavities for holding profile joints and for the corner brackets in the case of requiring luminaires with angles.

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.

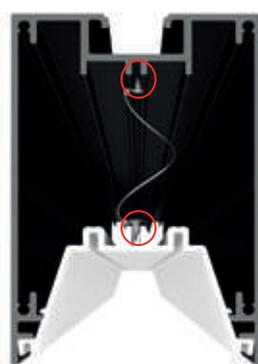
Profiles and covers up to 6 metres with no joints.

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.

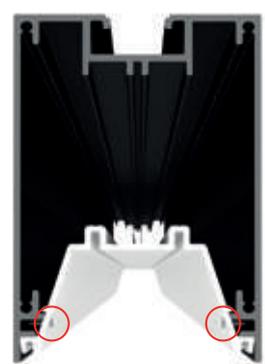
Front removable tray system with triple fall protection (safety anchorage)



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



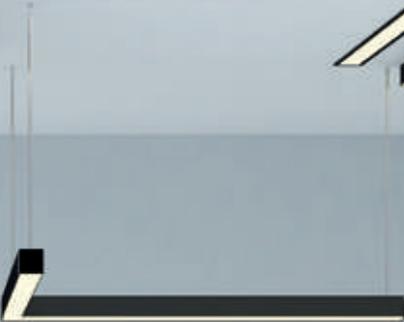
MUNICH
MAGNUM
SLIM



MOSCU
MINI



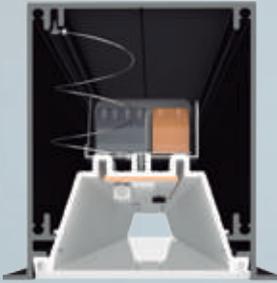
MUNICH
MINI



MOSCU
MINI



MOSCU
MAGNUM
SLIM



MOSCU
MAGNUM



MUNICH
MINI



MUNICH
MAGNUM
SLIM



MUNICH
MAGNUM

led profile by Luz Negra

NEON EASY

High quality silicone neon profile with opal front and rear opening which enables easy placing of the waterproof led strip.

Ideal for lighting up cavities, cornices and for decorative perimetral lighting in general.

If combined with our Infinity led strip (direct at 230V), you will be able to create a neon flex of up to 50m in length and easily powered from one end – no need for any power supply and no visible voltage drop. (minimum purchase 1m).

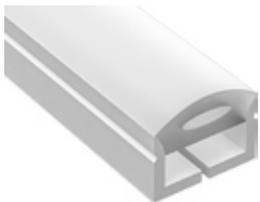
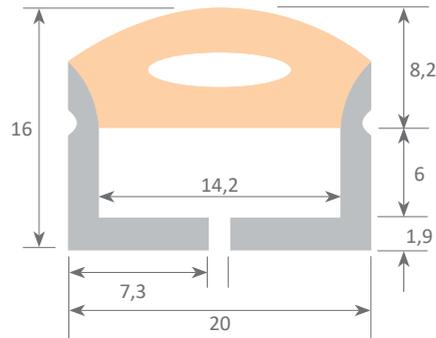
We offer a 2 year guarantee.



Scale 1:1



Scale 1:2



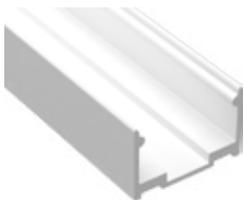
Neon easy Led

10.215 Neón easy 50m
(PCB max. 14mm)



Silicone endcaps

19.370 with hole
19.371 without hole



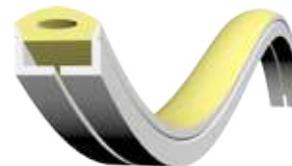
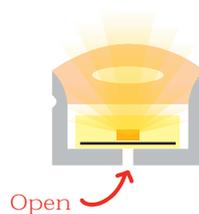
clip profile

22.188 white aluminium 2m



Clip

20.072 white aluminium



How to bend



led profile by Luz Negra

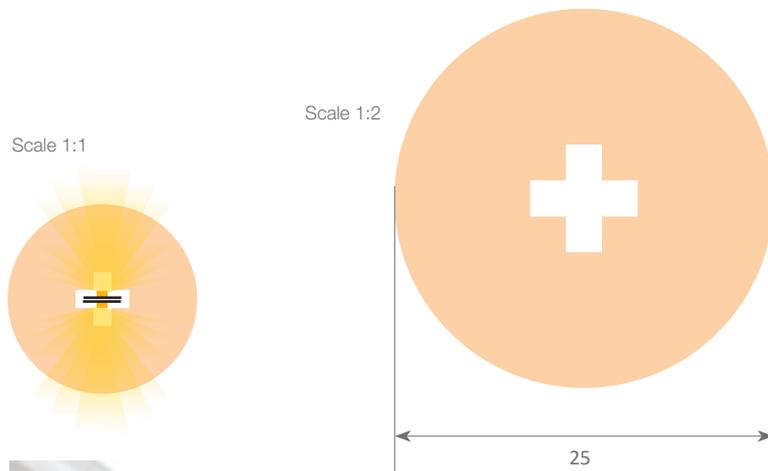
High quality silicone profile which is visually attractive and offers 100% dot-free effect. Manufactured via a silicone extrusion process, meaning it can be easily curved in arbitrary shapes. It is ideal for carrying out customised projects as it can be cut every centimetre.

It has an internal cavity for housing 2 led strips in order to achieve 360° lighting without any dark areas. It is available in 4000K and 2700K with a power of 14.4W/m.

Thanks to its IP65 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). This profile is available in 5m rolls. On request it can be manufactured in RGB, CCT and digital.

We offer a 2 year guarantee.

NEON 360°



Neon 360°

10.225 white 4000°K 14.4W/m 770 Lm
10.226 white 2700°K 14.4W/m 810 Lm



Plastic endcaps

10.235 with hole and without hole set of 2pcs

Power (W)	14.4W/m
Voltage (V)	24V
Light emission	360°
Waterproofing	IP65
N° leds/m	200
Cutttable	every 10mm
Minimum radius of curvature	R≥120mm
Working temperature	-20°C / +40°C
Apt for	for outdoor / interior use
Guarantee	2 years



Polycarbonate clip

10.233 transparent



Polycarbonate tube

10.239 transparent

2.5m



Plastic profile clip

10.231 transparent 1m

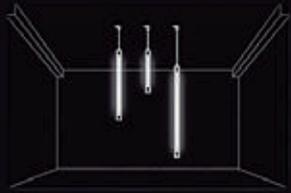


Plastic clip

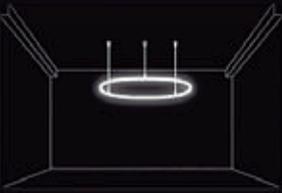
10.238 transparent



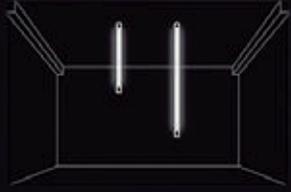
10.227



10.230



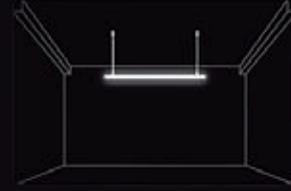
10.229



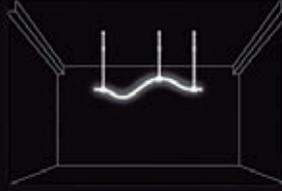
10.229



10.230 + 10.239



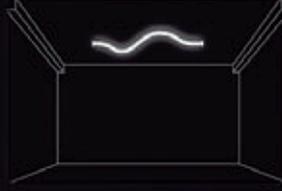
10.234



10.239



10.238



**Hanger for vertical use
(direct to ceiling)**

10.229 anodised silver



**Hanger for vertical use
(with cable)**

10.227 anodised silver



**Hanger for horizontal use
(with cable)**

10.228 anodised silver



**Hanger for horizontal use
(full kit)**

10.230 anodised silver



Telescopic suspension arm

10.234 transparent plastic



Joint

10.232 anodised silver

NEON SLIM

A very small, high quality silicone profile with a transparent front, etched with fine lines which favours a low UGR.

It is suitable for perimetral decorative lighting for cavities etc and 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 an internal cavity that can house an IP20 led strip, with a PCB of 10mm and the recommended power not greater than 12W/m. We recommend combining this profile with ecoled COB (dot-free effect).

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).

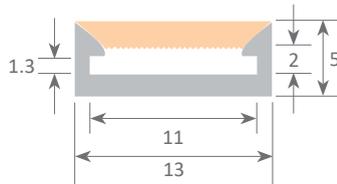
We offer a 2 year guarantee.



Scale 1:1



Scale 1:2



Neon Slim Led

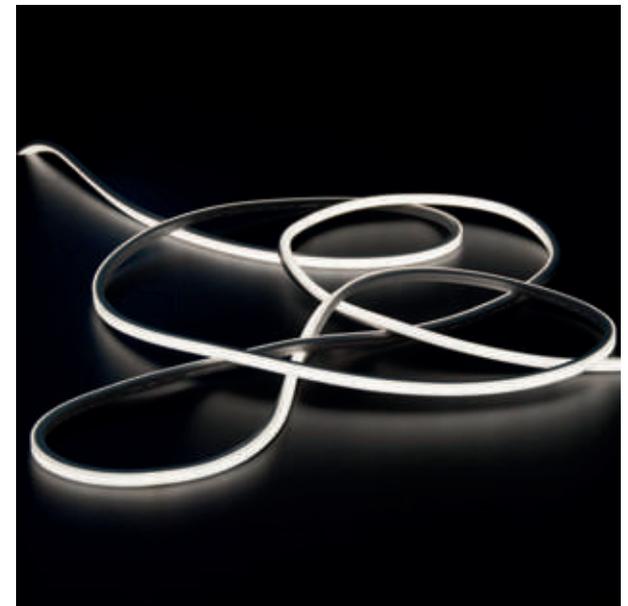
10.215 Neon slim 50m
(Max. PCB 10mm)



Silicone endcaps

19.163 with front hole
19.184 with front hole
19.185 without hole

19.181 without hole
19.182 with 2 holes
19.183 with 4 holes



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Clip

20.041 silicone
20.075 plastic



How to bend



led profile by Luz Negra

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 an internal cavity that can house an IP20 led strip, with a PCB of 8mm and the recommended power not greater than 12W/m. We recommend combining this profile with ecoled COB.

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.

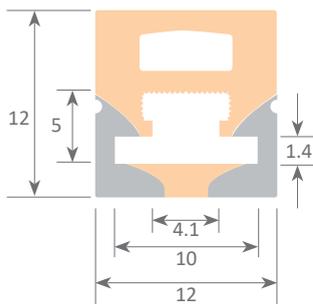
NEON CUADRADO XL



Scale 1:1



Scale 1:2



Neon Cuadrado XL Led

10.216 Neon cuadrado XL 1-100m
(Max. PCB 10mm)



Silicone endcaps

19.385 with front hole
19.386 with front hole
19.387 without hole



Clip

20.076 aluminium



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



How to bend



led profile by Luz Negra

High quality silicone neon profile with opal front and rear opening which enables easy placing of the waterproof led strip.

Ideal for lighting up cavities, cornices and for decorative perimetral lighting in general.

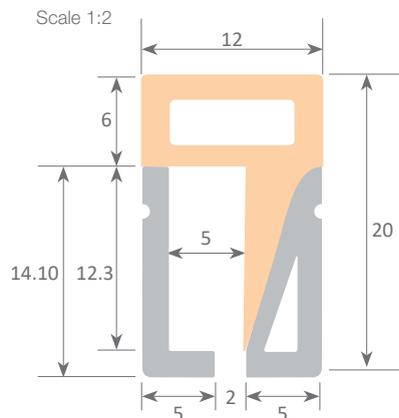
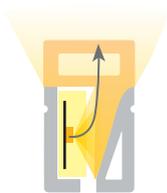
If combined with our Infinity led strip (direct at 230V), you will be able to create a neon flex of up to 50m in length and easily powered from one end – no need for any power supply and no visible voltage drop. (minimum purchase 1m).

We offer a 2 year guarantee.

NEON LAS VEGAS EASY



Scale 1:1



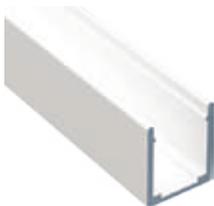
Led Neon Las Vegas Easy

10.032 Neon las vegas easy 100m
(Max. PCB 12mm)



Die-cut profile

10.219 aluminium m



Clip profile

20.080 white aluminium 2m



Silicone endcaps

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



Clip

20.079 white aluminium



Open



How to bend

led profile by Luz Negra

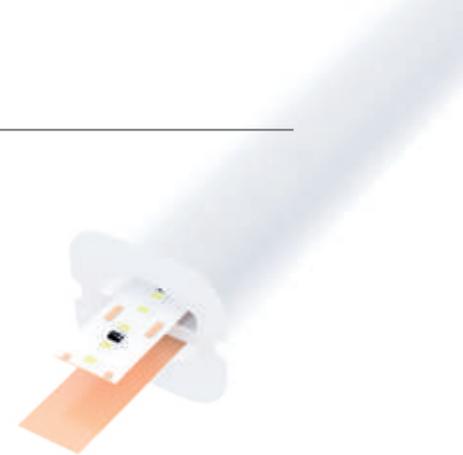
A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, floor embedding etc.

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

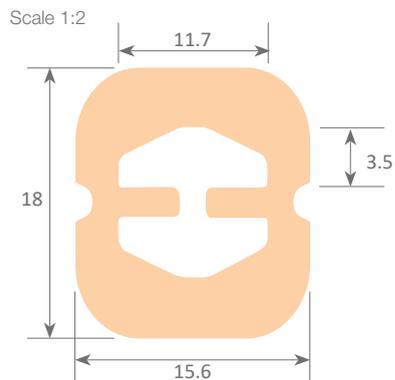
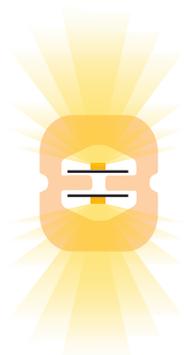
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 25m rolls or cut to size (minimum 1m MOQ).

We offer a 2 year guarantee.

NEON DOBLE



Scale 1:1



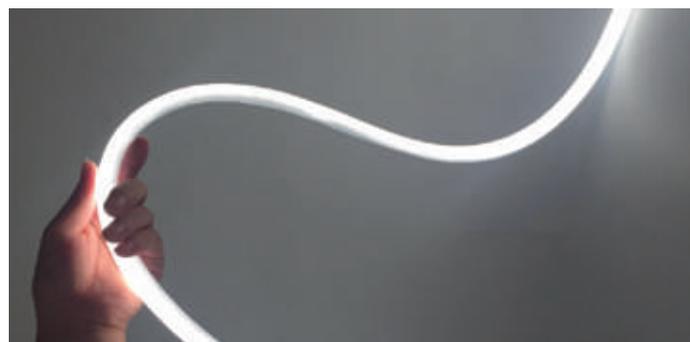
Neon Doble Led

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



Silicone endcaps

19.179 without hole
19.180 with hole



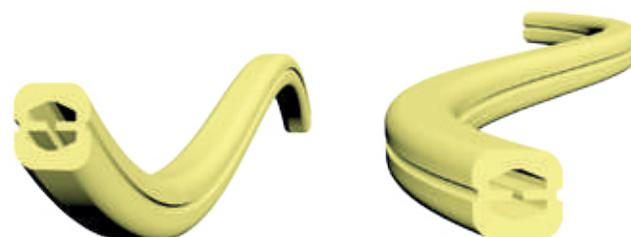
Clips

20.039 plastic
20.040 aluminium
20.065 plastic



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



How to bend



led profile by Luz Negra

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 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).

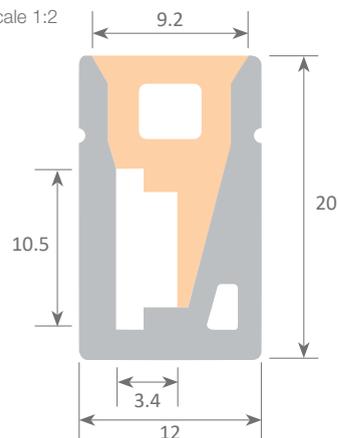
We offer a 2 year guarantee.



Scale 1:1



Scale 1:2



Neon XL Led

10.005 Neón XL 1-100m
(PCB max. 10mm)



Die-cut profile

10.219 aluminium m



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Silicone endcaps

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



Clip profile

20.080 white aluminium 2m



Clip

20.036 aluminium
20.079 white aluminium



How to bend



led profile by Luz Negra

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 PCB of 10mm and a power not greater than 14W/m. We recommend combining this profile with ecoled Castellón.

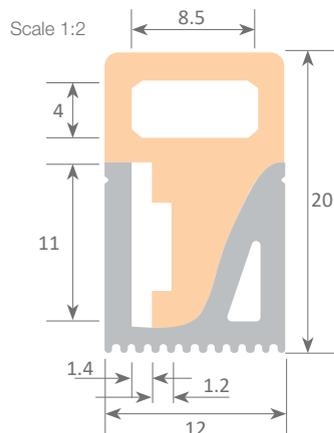
Thanks to its IP67 waterproofing and its UV protection, this product is suitable for outdoor areas and damp zones (sealing the connector and the endcap with the recommended silicone is a must). We offer you this profile in 100m rolls or cut to size (minimum 1m MOQ).

We offer a 2 year guarantee.

NEON LAS VEGAS



Scale 1:1



Neon Las Vegas Led

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



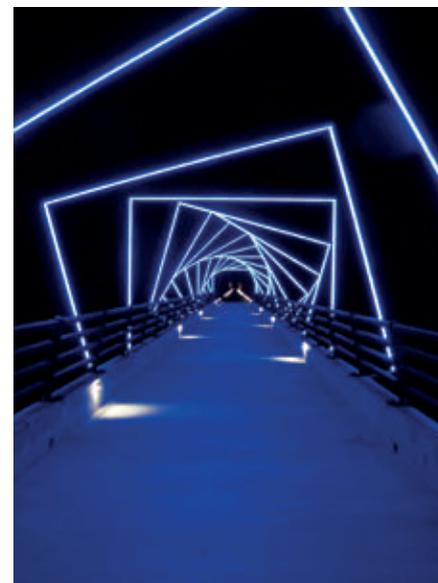
Die-cut profile

10.219 aluminium m



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



Silicone endcaps

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



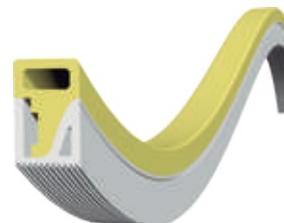
Clip profile

20.080 white aluminium 2m

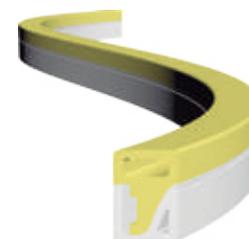


Clip

20.037 aluminium
20.079 white aluminium



How to bend

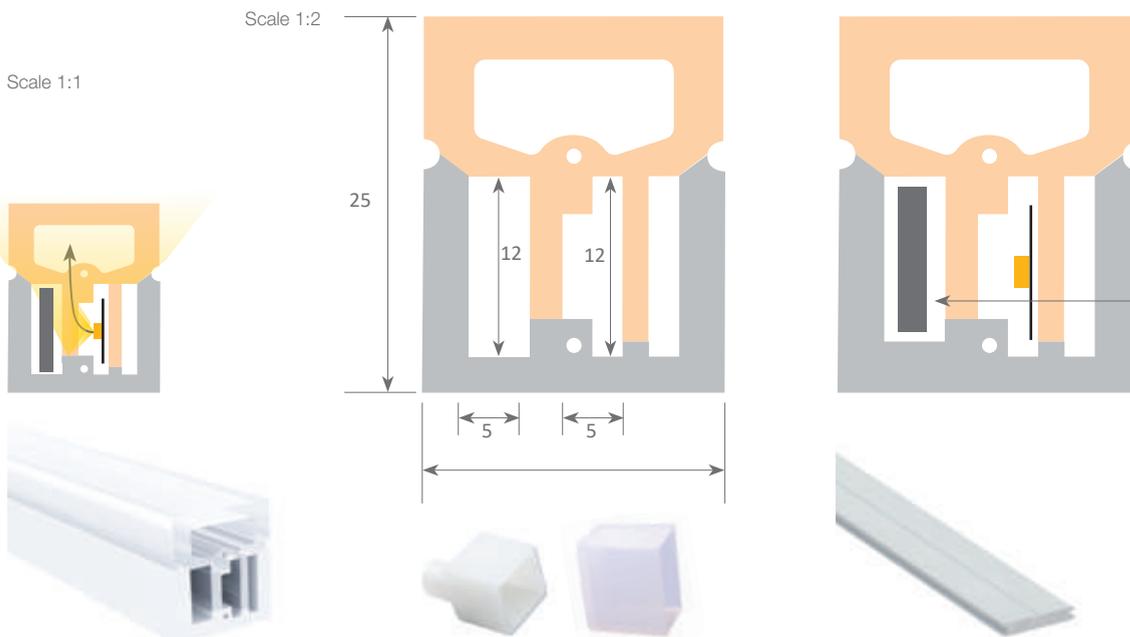


A high quality silicone profile with front and side finishings in opal. It is suitable for perimetral decorative lighting, illuminating cavities, etc. It is ideal for publicity texts specially when large corporate letters are requested. It has one internal cavity that can house an IP20 led strip, with a PCB of 10mm 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

Neon 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



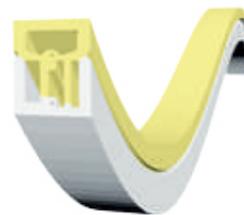
Clip

20.038 plastic
20.074 aluminium



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



How to bend



led profile by Luz Negra

FONTANA

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 PCB width of 10mm and the recommended 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.

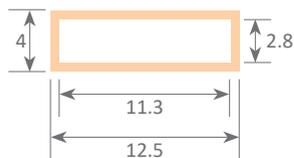
We offer a 2 year guarantee.



Scale 1:1

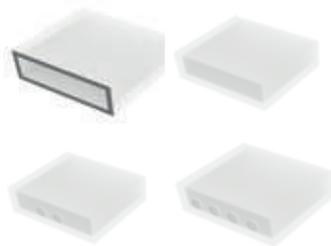


Scale 1:2



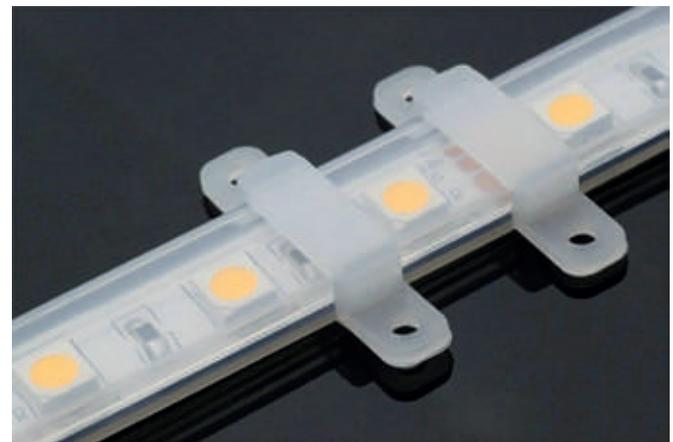
Silicone profile

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
20.077 silicone



Silicone for waterproofing

22.138 opal 45ml
22.140 transparent 45ml



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 assymetrical lighting.

led profile by Luz Negra

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

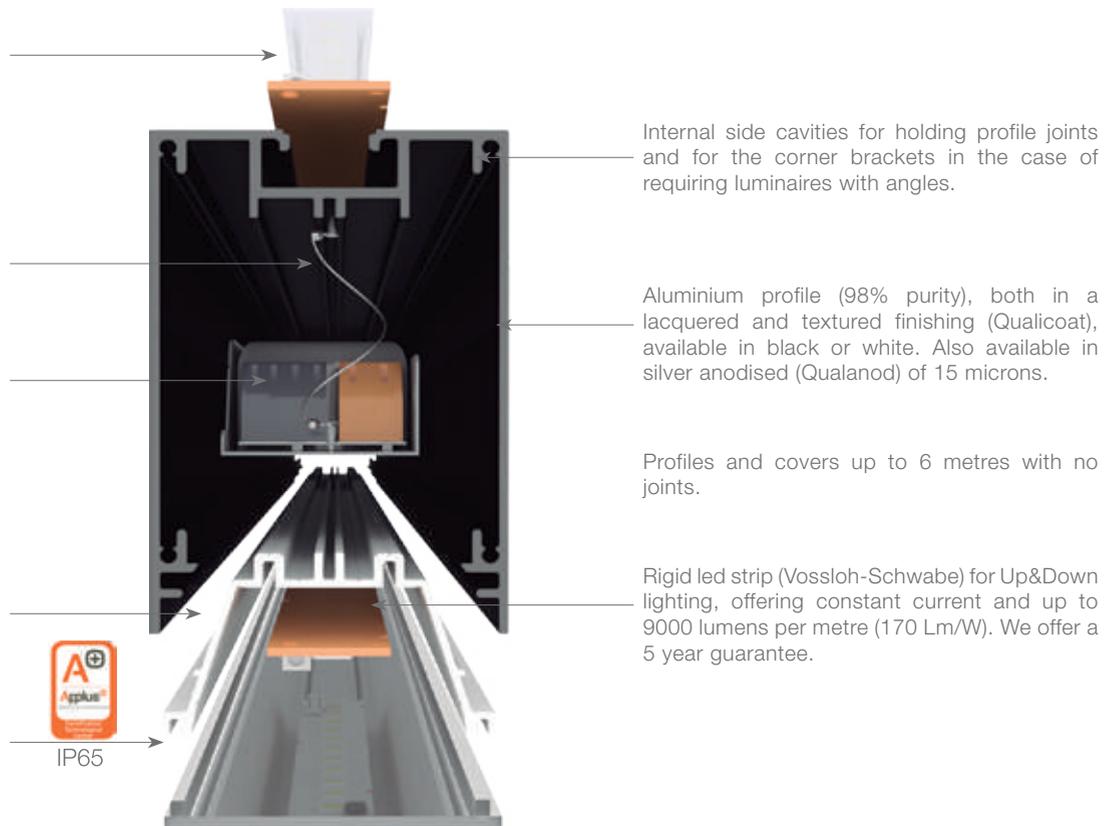
Up&Down cover available in transparent or frosted white.

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.



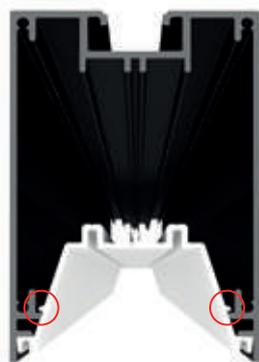
Internal side cavities for holding profile joints and for the corner brackets in the case of requiring luminaires with angles.

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.

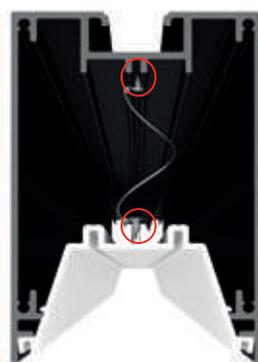
Profiles and covers up to 6 metres with no joints.

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.

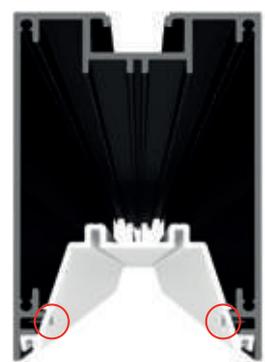
Front removable tray system with triple fall protection (safety anchorage)



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



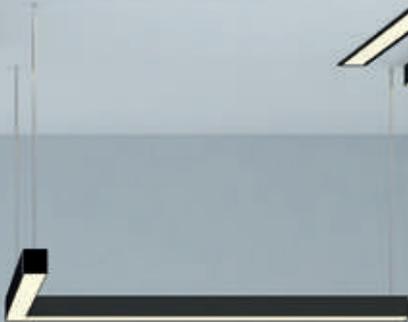
MUNICH
MAGNUM
SLIM



MOSCU
MINI



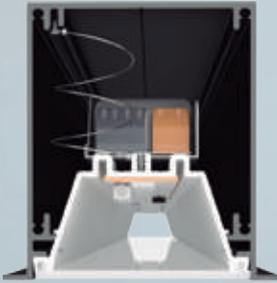
MUNICH
MINI



MOSCU
MINI



MOSCU
MAGNUM
SLIM



MOSCU
MAGNUM



MUNICH
MINI



MUNICH
MAGNUM
SLIM



MUNICH
MAGNUM

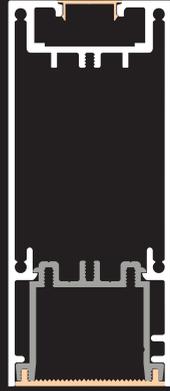


big profiles for surfaces and hanging



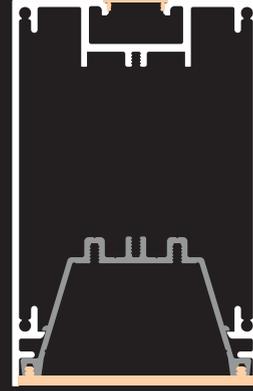
MÜNICH
MINI

192



MÜNICH
MAGNUM
SLIM

194



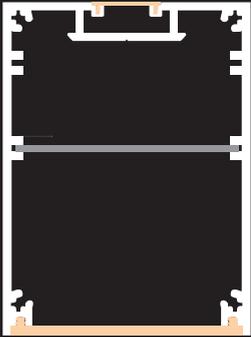
MÜNICH
MAGNUM

196



MÜNICH
SLIM

198



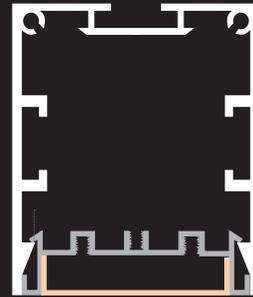
MÜNICH

200



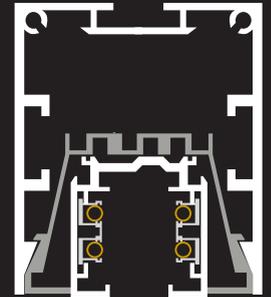
BOX

202



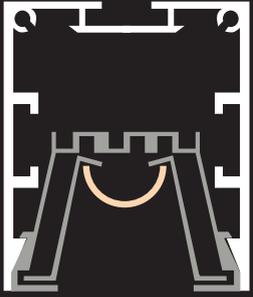
GALES
with OPTIC

203



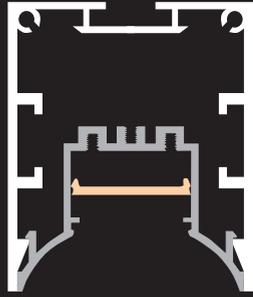
GALES
with
3-phase rail

204



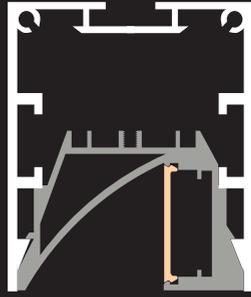
GALES
with tray and
trellis

205



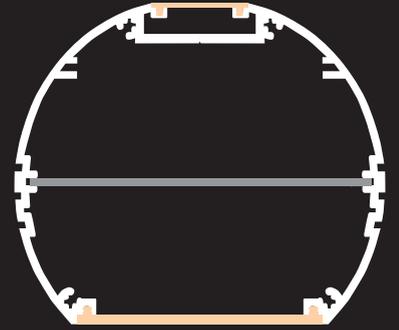
GALES with
RECESSED
TRAY

206



GALES
ASYMMETRIC

207



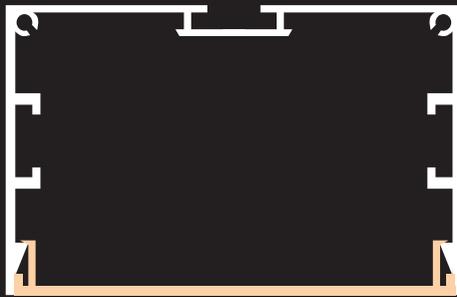
SICILIA

208



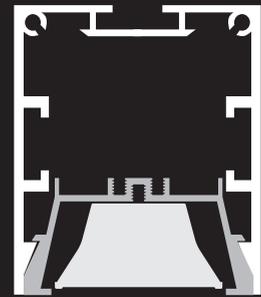
HOUSTON

210



BRUSELAS

211

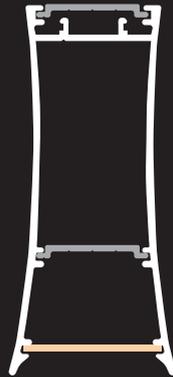


GALES
with reflector
and optic

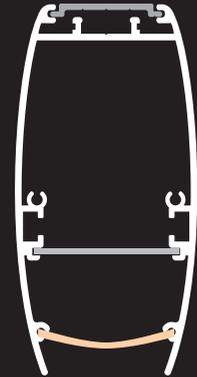
211A



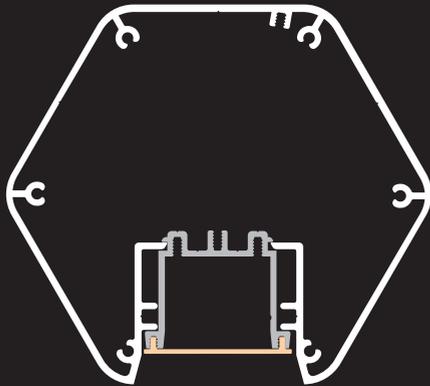
KAZAN
211C



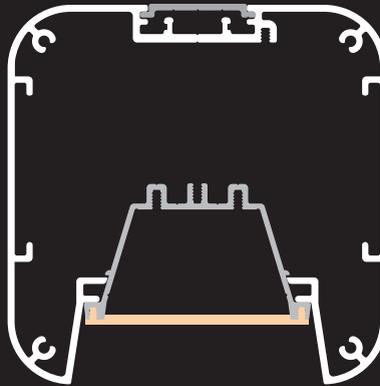
LOLA
211E



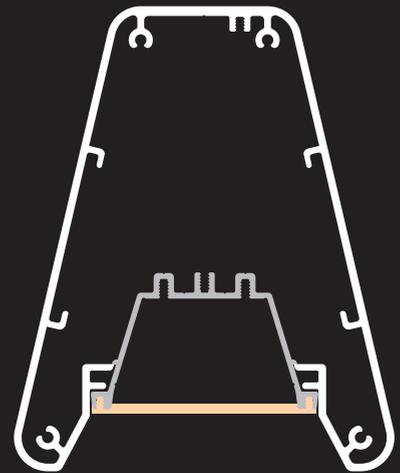
RICARDO
211G



PACO
211I



ANTONIO
211K



CARMEN
211M

led profile by Luz Negra

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.

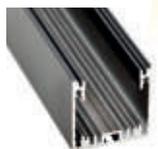
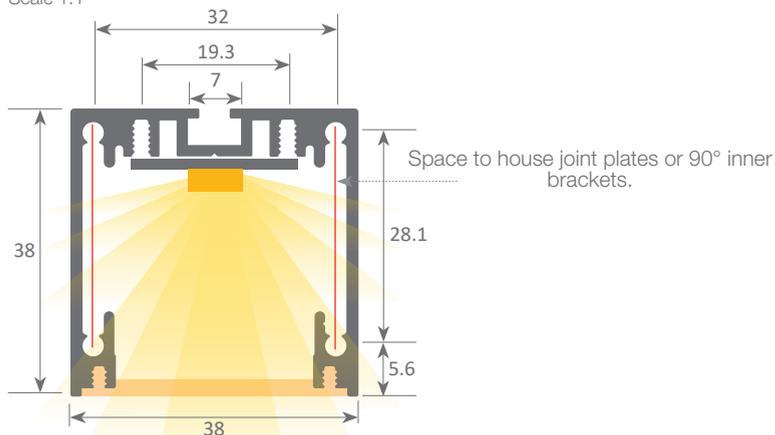
MUNICH MINI



IP65



Scale 1:1



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	chrome	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Joining 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 VØ



led profile by Luz Negra

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 with hole

19.234	anodised silver
19.235	lacquered textured white
19.236	lacquered textured black



Methacrylate cover

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



Hanging kit

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

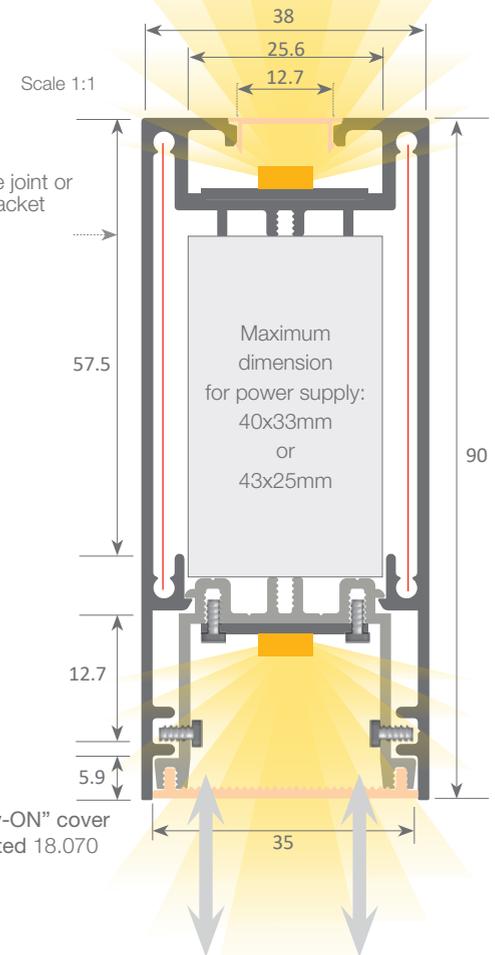


Safety cable

22.039	steel 18cm
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Polycarbonate cover (UP)

18.116	opal	2m
18.146	frosted	2m
18.148	opal	2m
18.115	opal	6m
18.145	frosted	2m
18.147	opal	2m

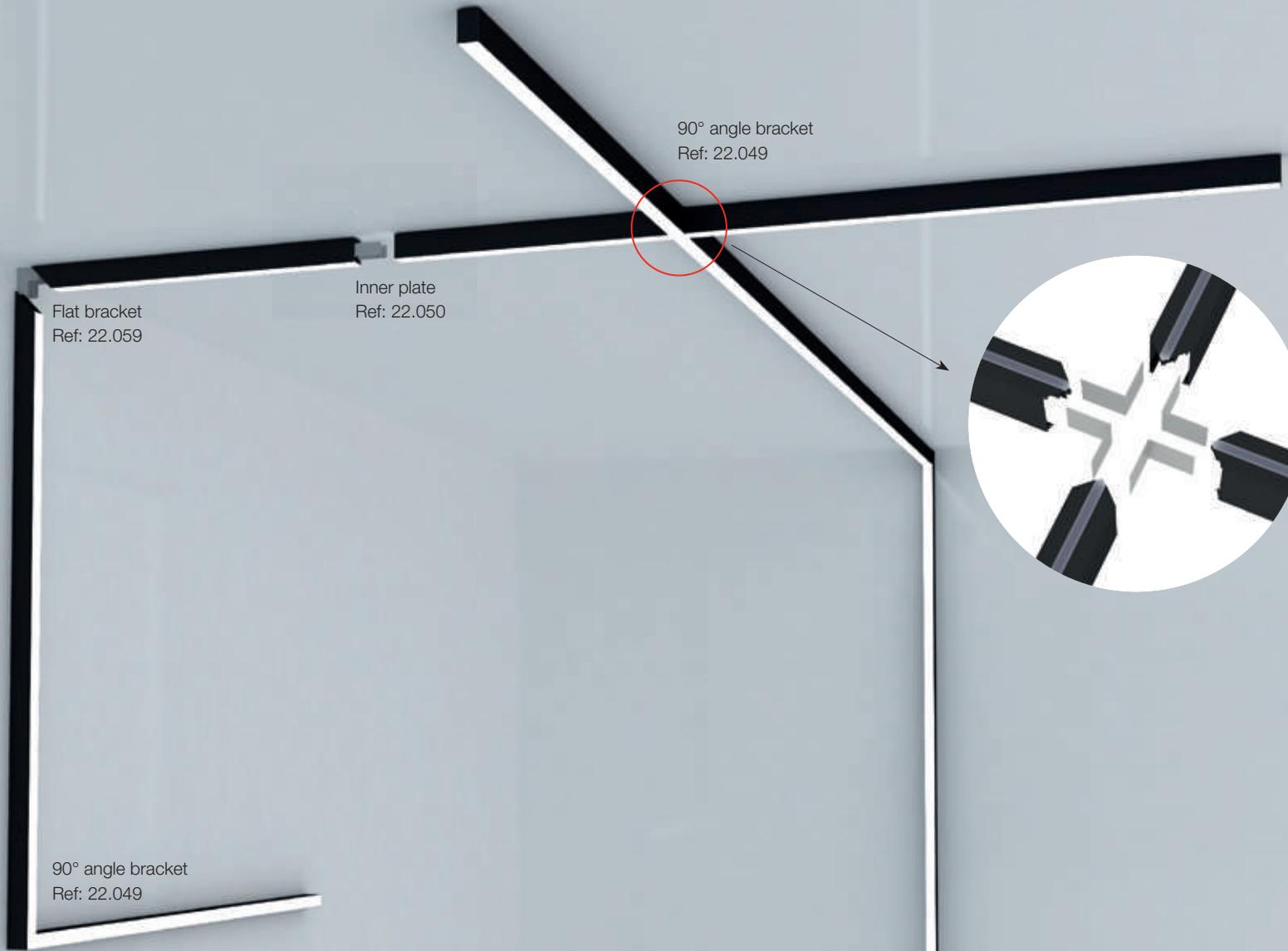


System with front removable tray which permits easy access to the led strip and power supply, therefore allowing very fast and simple maintenance of the electrical installation.



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 VØ



Flat bracket
Ref: 22.059

Inner plate
Ref: 22.050

90° angle bracket
Ref: 22.049

90° angle bracket
Ref: 22.049



90° angle bracket
22.049 aluminium set of 2 units



Flat bracket
22.059 aluminium set of 2 units



Joining 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
14.042	lacquered black	6m



"easy-ON" polycarbonate cover (Down)

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m



Reflector with 4 module optics

46.046	white 50° optic
46.047	black 50° optic
46.048	white 80° optic
46.049	black 80° optic



Methacrylate cover

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

Reflector with 7 module optics

46.050	white 50° optic
46.051	black 50° optic
46.052	white 80° optic
46.053	black 80° optic



Aluminium endcaps

19.243	anodised silver
19.244	lacquered textured white
19.245	lacquered textured black



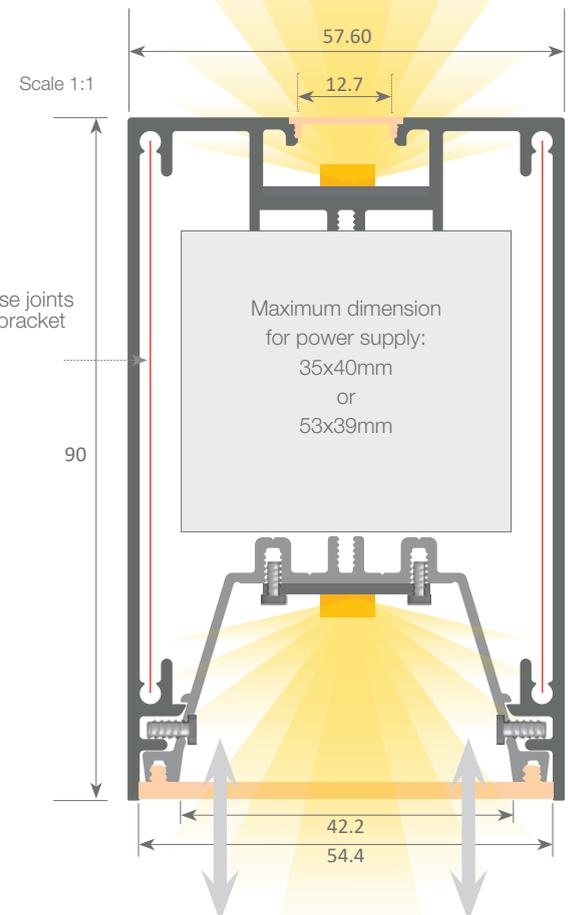
Hanging kit

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

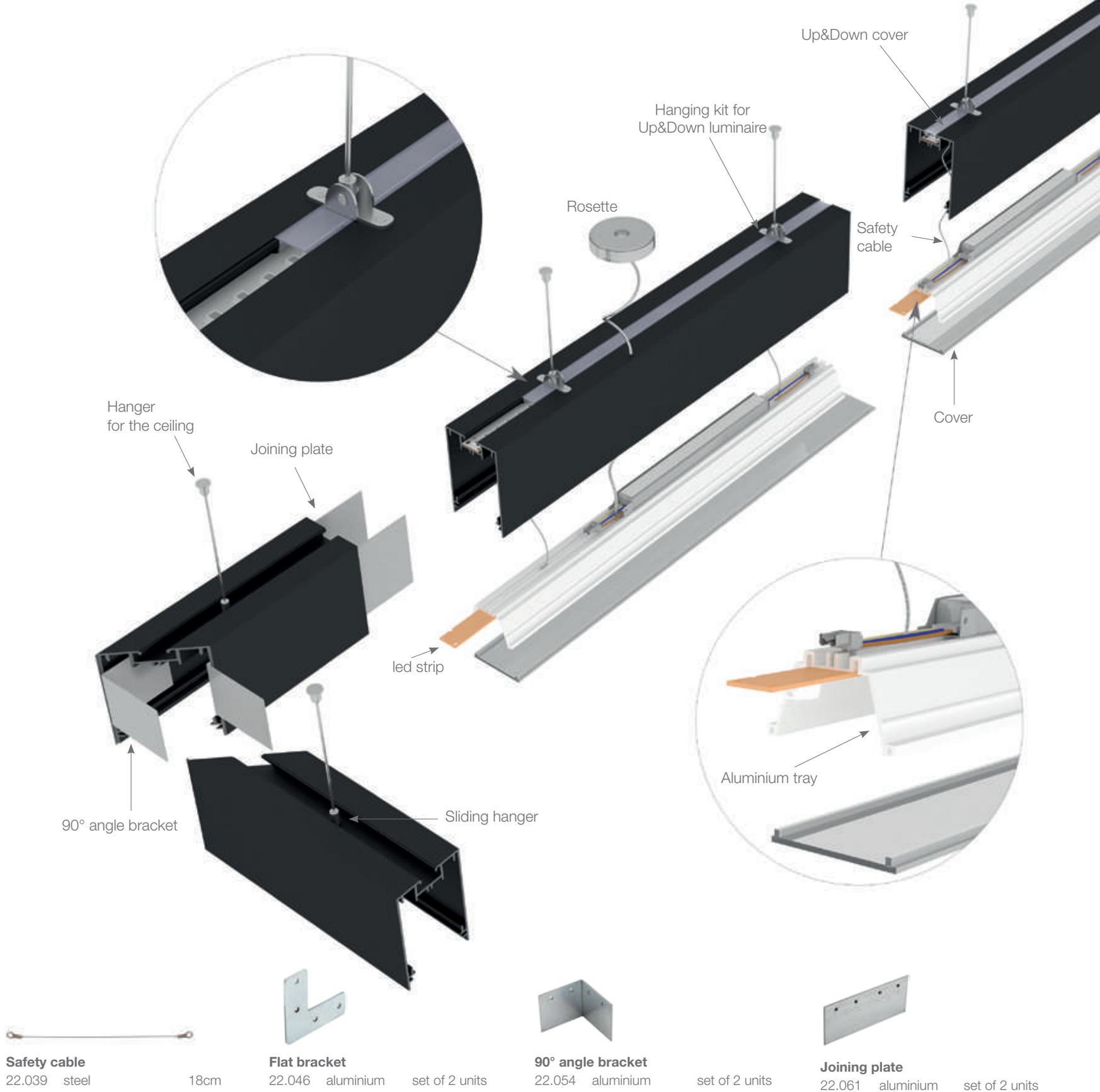


Patente Europea
Nº.: 13156605.1

Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2 / Theoretical weight: 1.917kg / Alloy: 6063 / Perimeter: 643mm / Anodising minimum: 15 microns / Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof VØ



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.



led profile by Luz Negra

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 but only for the silver anodised profile). 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 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)

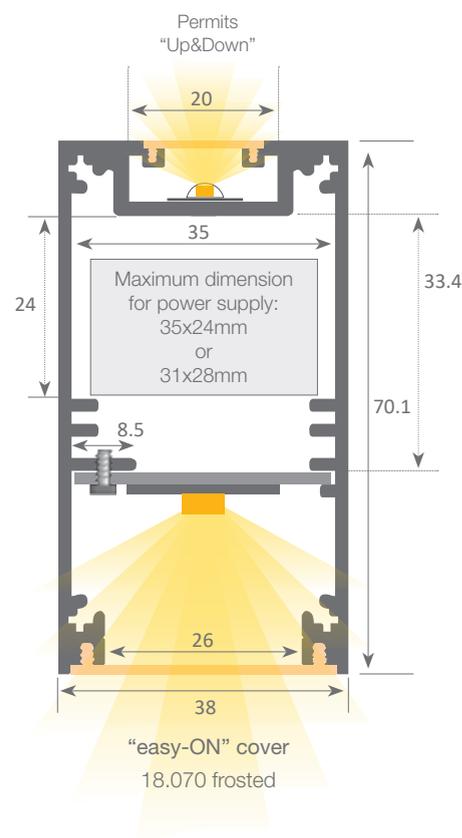
18.001	transparent	2m
18.002	opal	2m
18.003	frosted	2m
18.004	transparent	6m
18.005	opal	6m
18.006	frosted	6m
18.134	frosted	60m



Hanging kit

21.001	chrome	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



Made with Múnich Slim led Profile
Cortesy of singular.design

led profile by Luz Negra

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



Aluminium profile

16.005	anodised silver	6m
16.006	lacquered black	6m
16.007	lacquered white	6m



Inner plate 200 cm

22.190	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
18.134	frosted	60m



Aluminium endcaps

19.237	silver anodised
19.238	lacquered black
19.239	lacquered white



Safety cable

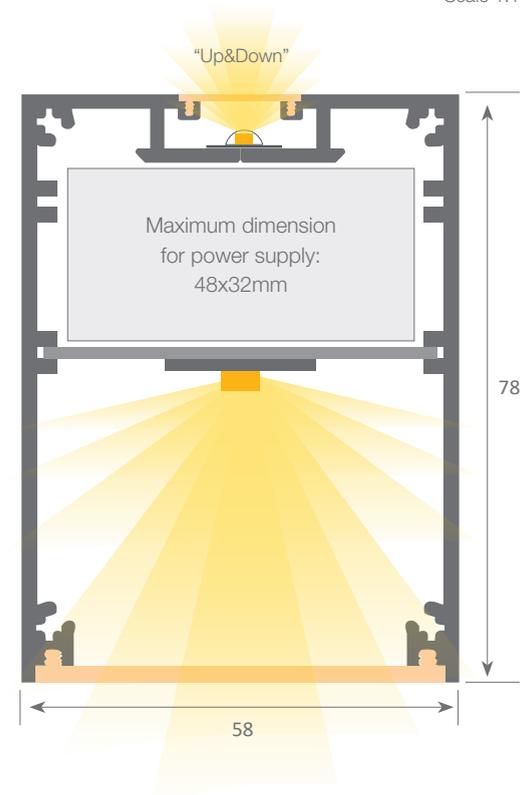
22.039	steel	18cm
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Hanging kit

21.001	chrome	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: 1.350Kg / Alloy: 6063 / Perimeter: 604mm / Anodising minimum: 15 microns
Purity aluminium: 95-98% / Treatment: T-5 / Covers: Fireproof V0

“UGR” covers



TRELIS cover



SMOOTH cover



MICROPRISMATIC cover



STRIPED LINE cover

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



led profile by Luz Negra

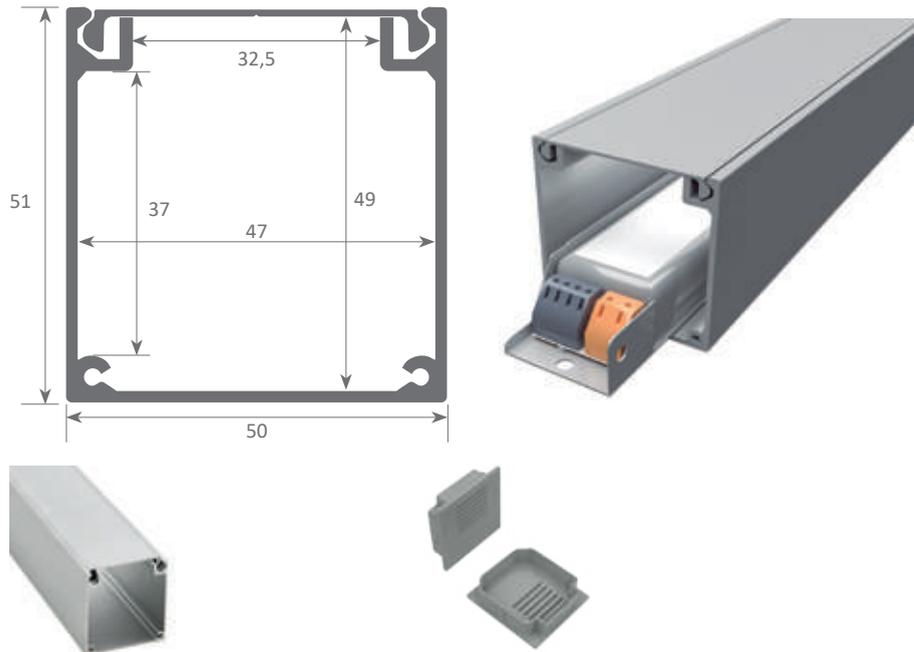
BOX

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.



Scale 1:1

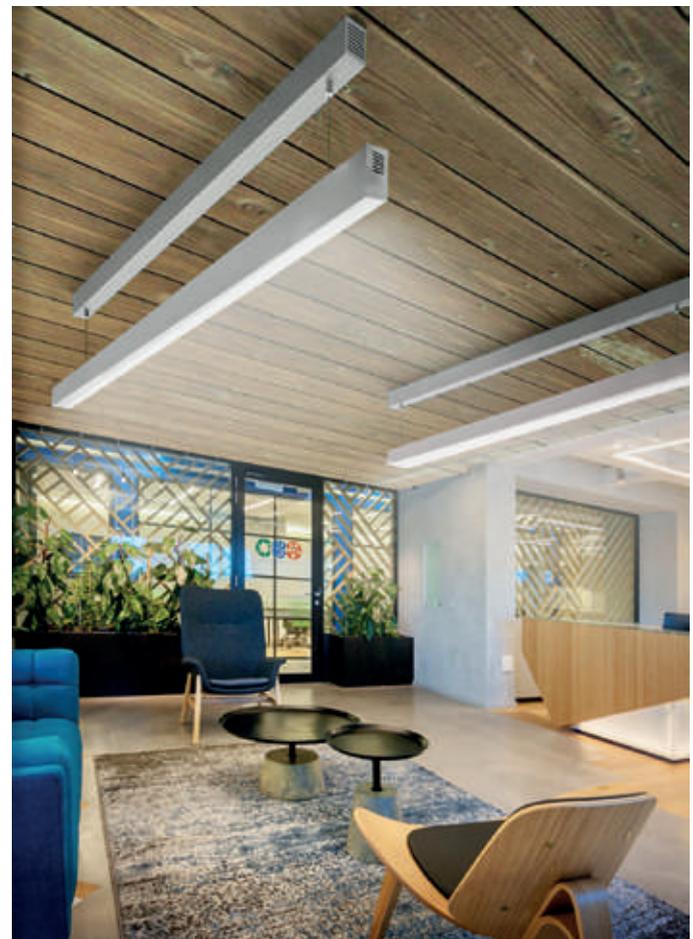
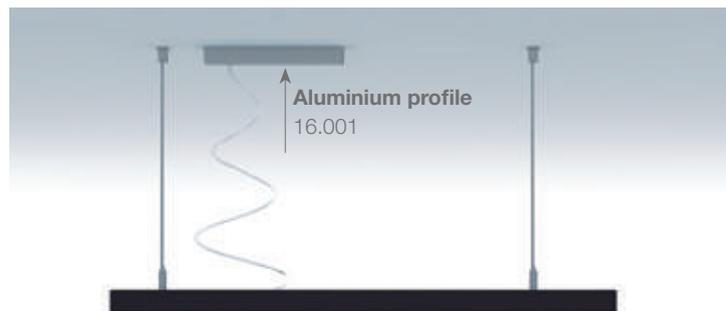


Aluminium profile

16.001	anodised silver	3m
16.039	lacquered black	3m
16.040	lacquered white	3m

Plastic vented endcaps

19.212	grey
19.346	black
19.347	white



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
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Aluminium endcaps

19.246	grey
19.247	white
19.248	black



Hanging kit

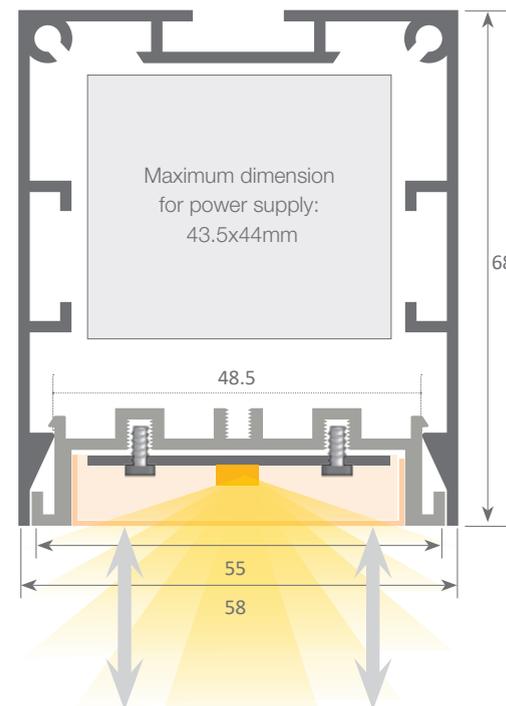
21.001	chrome	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Safety cable

22.039	steel	18cm
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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: 1.126 Kg. / Alloy: 6063 / Perimeter: 514 / 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 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

16.037 textured white 2m
16.038 textured black 2m



Aluminium tray

14.016 textured white 3.40m
14.017 textured black 3.40m



Aluminium endcaps

19.247 white
19.248 black



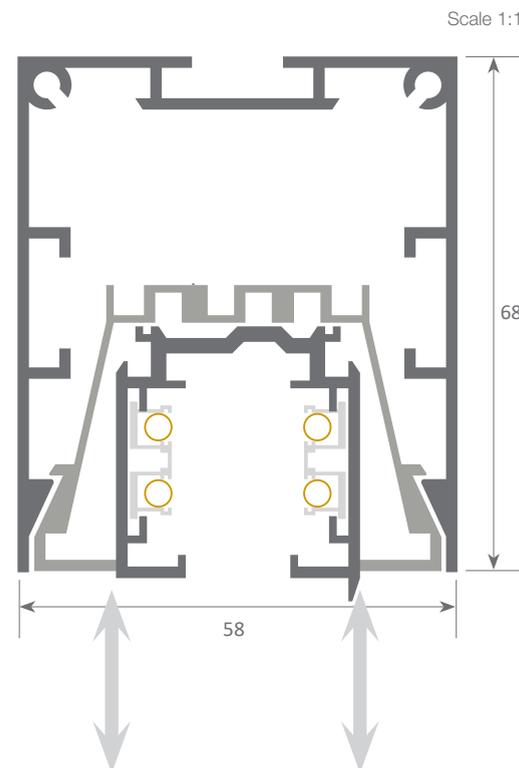
Hanging kit

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



Aluminium endcaps

19.247 white
19.248 black



Hanging kit

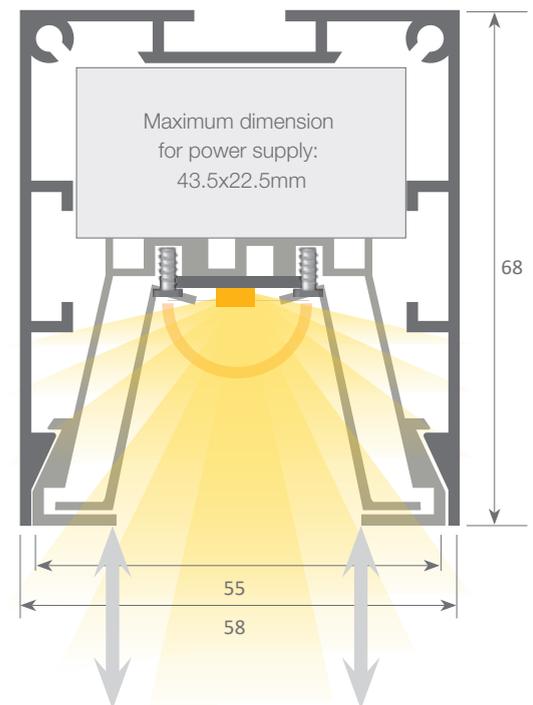
21.001 chrome set of 2 units
21.002 white set of 2 units
21.003 black set of 2 units



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

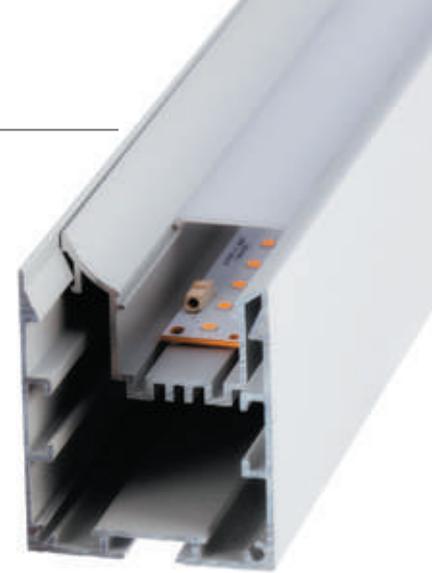
led profile by Luz Negra

Our PROFESSIONAL led profile series for surfaces/hanging applications is manufactured in high purity aluminium and lacquered in 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
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Aluminium endcaps

19.246	grey
19.247	white
19.248	black



Hanging kit

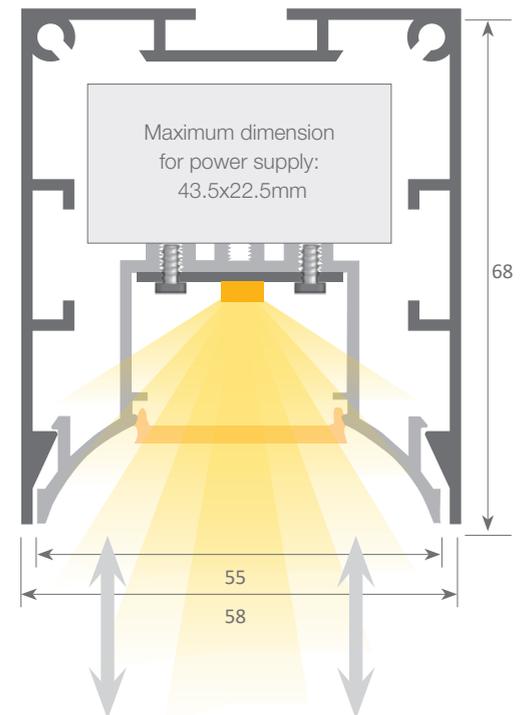
21.001	chrome	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Safety cable

22.039	steel	18 cm
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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
Alloy: 6060 / 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 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
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Aluminium endcaps

19.246	grey
19.247	white
19.248	black



Profile joints

22.044	steel	set of 2 units
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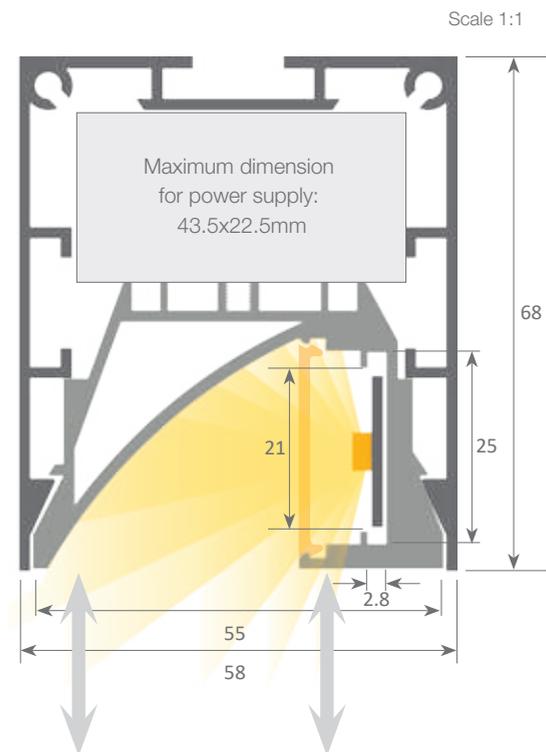
Hanging kit

21.001	chrome	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.



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)

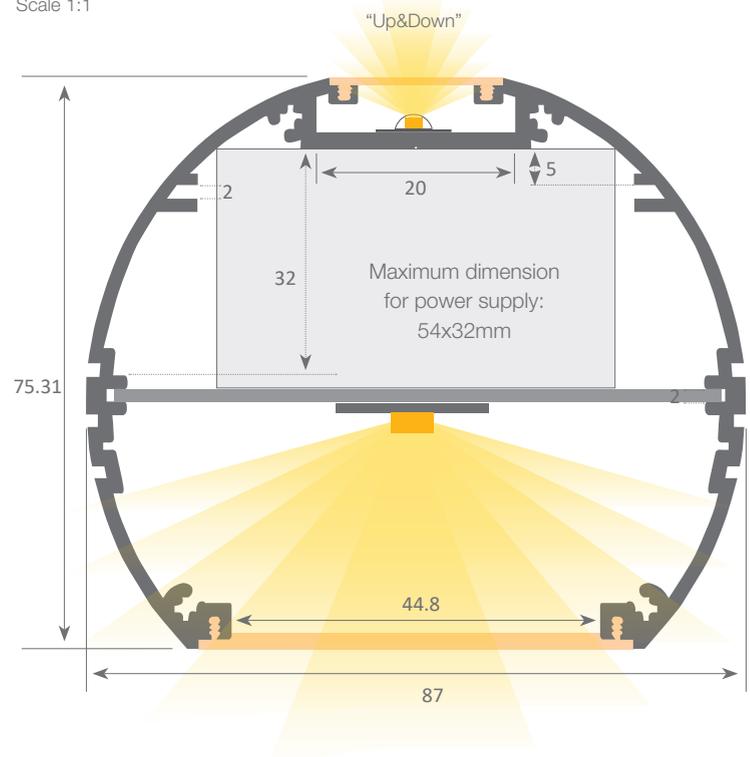
18.001 transparent 2m
18.002 opal 2m
18.003 frosted 2m
18.004 transparent 6m
18.005 opal 6m
18.006 frosted 6m
18.134 frosted 60m



Hanging kit

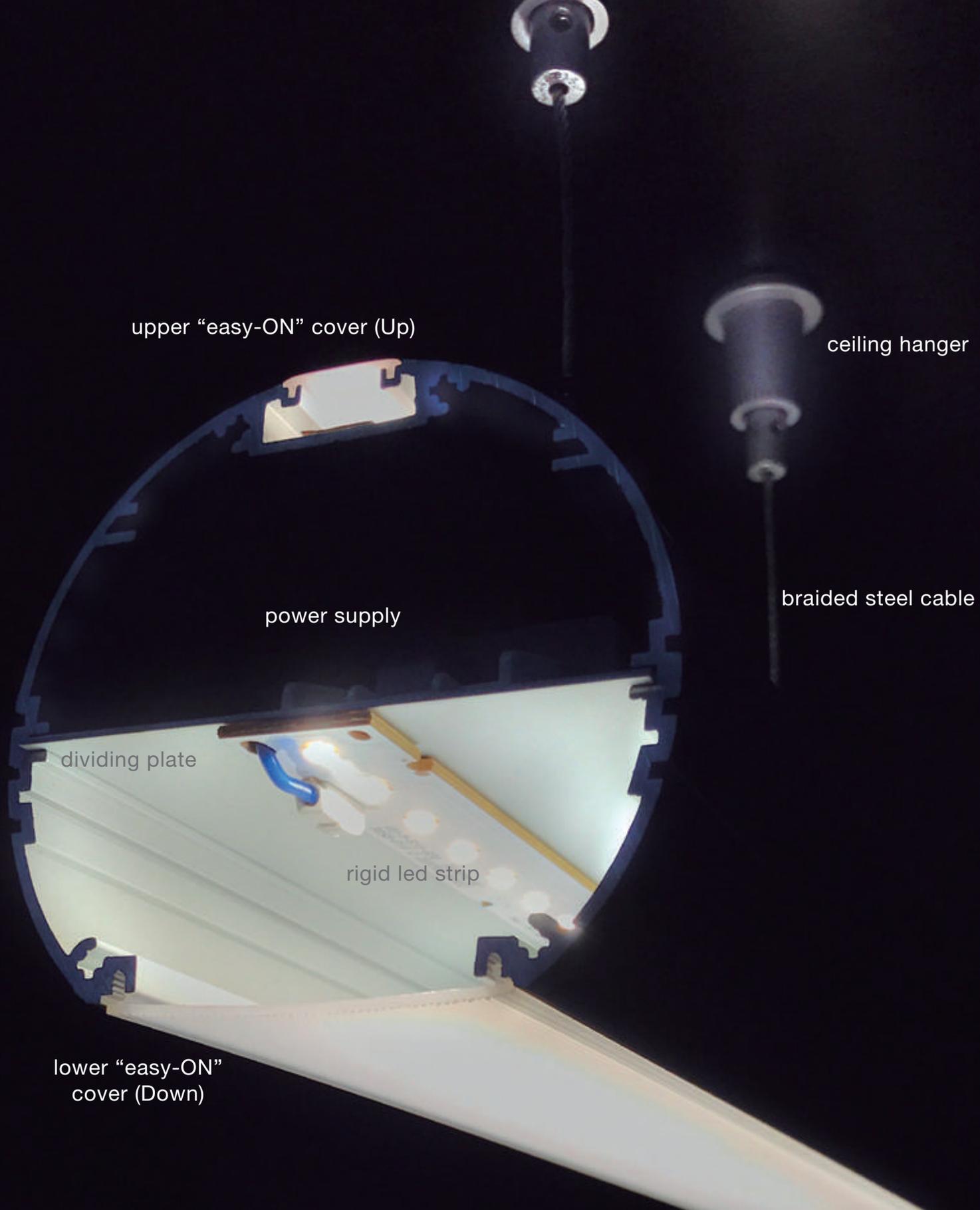
21.001 chrome set of 2 units
21.002 white set of 2 units
21.003 black set of 2 units

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

power supply

braided steel cable

dividing plate

rigid led strip

lower "easy-ON"
cover (Down)

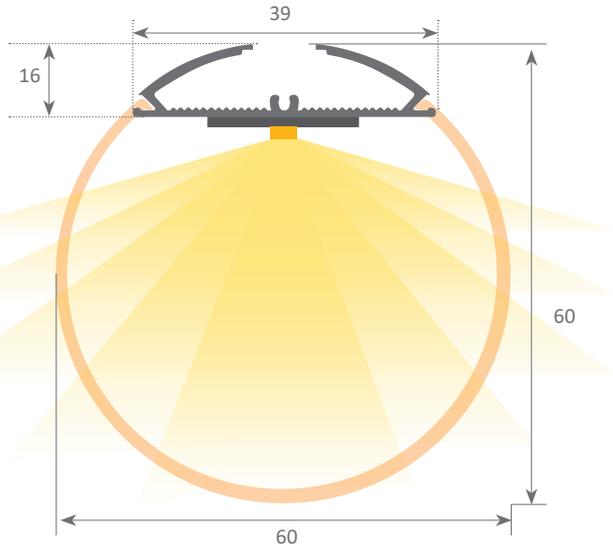
led profile by Luz Negra

HOUSTON

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



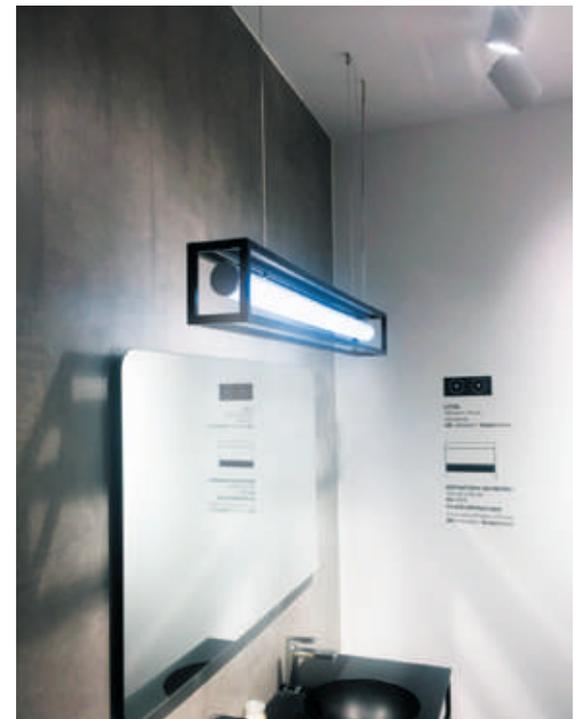
Plastic endcaps
19.107 without hole



Polycarbonate cover
18.069 opal 3m



Hanging kit
21.001 chrome 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 VØ

led profile by Luz Negra

BRUSELAS

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.



Aluminium profile

16.014	textured grey	3.40m
16.015	textured white	3.40m
16.032	textured black	3.40m



Inner plate

22.045	aluminium
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Polycarbonate cover

18.080	frosted	3.40m
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Aluminium endcaps

19.249	grey
19.250	white
19.350	black



Profile joint

22.044	steel	set of 2 units
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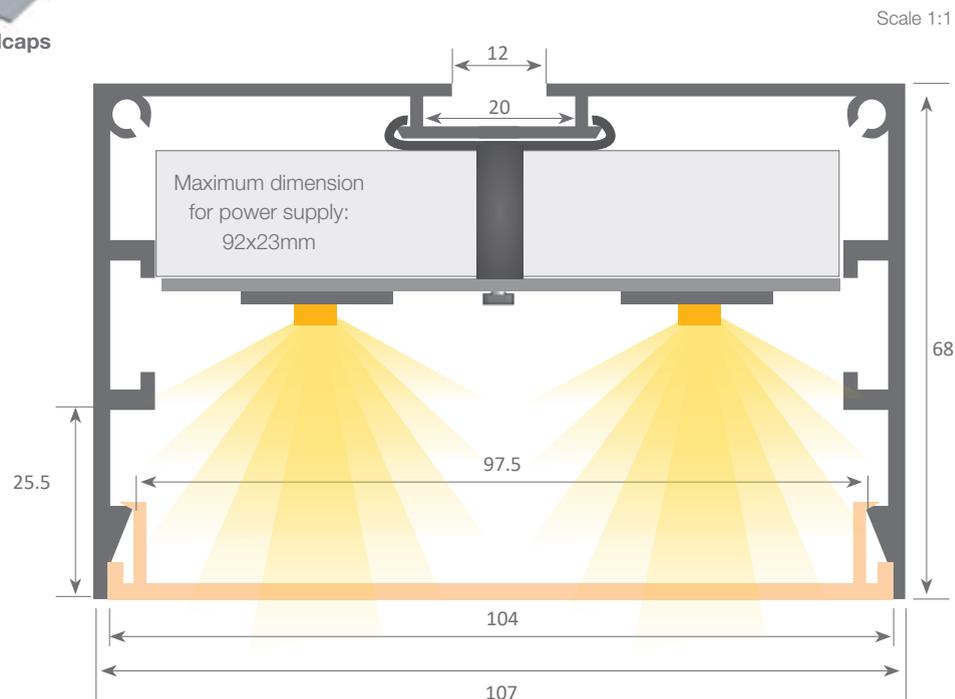
Support plate

22.047	steel
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Hanging kit

21.001	chrome	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

led profile by Luz Negra

led profile professional series for surfaces / hanging applications, manufactured in high purity aluminium and black or white textured coating. The drivers can be housed inside. The profile can be used together with 2 different types of 7 module optics, with 65° or 90° degrees. Also, it has a opaque cover of white or black aluminium for those sections we don't want to illuminate. Thanks to the cover, we lower the UGR and glare effects. The tray can be removed from the front, therefore allowing a maintenance work of the profile. Due to safety reasons, we recommend attaching a twisted wire to the heat dissipating tray from the bottom of the profile. The profile and its cover are available in 3.4 meter lengths.

We offer a 2 year guarantee on profiles and covers.



Aluminium profile

16.012	lacquered white	3.40m
16.013	lacquered black	3.40m



Aluminium tray

14.033	lacquered white	3.40m
14.034	lacquered black	3.40m



Reflector with 7 module

46.066	white	28cm
46.067	black	28cm



Blind cover

18.112	white aluminium	3.40m
18.113	black aluminium	3.40m
18.118	grey aluminium	3,40m



Optics de with 7 module

46.068	65°	28cm
46.069	90°	28cm



Aluminium endcaps

19.247	white
19.248	black



Profile joints

22.044	steel
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Hanging kit

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



Safety cable

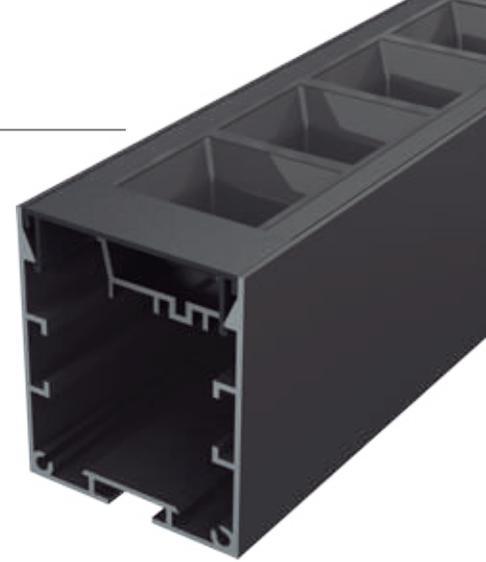
22.039	steel	18cm
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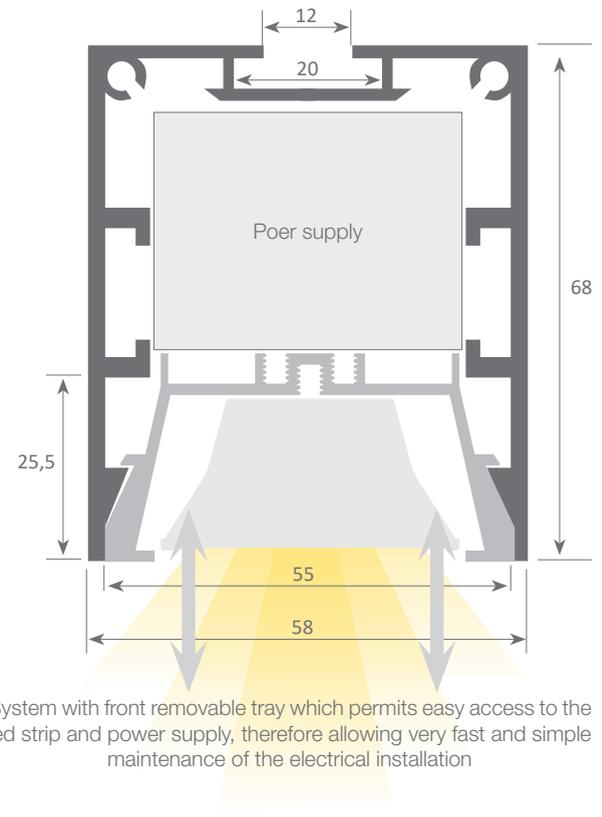
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances defined by: UNE-EN 755-9 / UNE-EN 12020-2
Theoretical weight: 1.202 Kg. / Alloy: 6063 / Perimeter: 552 / Anodizing minimum: 15 microns
Purity aluminium: 95-98% / Treatment: T-5

GALES

with reflector
and optic



Scale 1:1





led profile by Luz Negra

KAZAN

Our PROFESSIONAL led profile series for hanging applications is manufactured in high purity aluminium with silver anodised, or black/white lacquered textured finishes.

On the upper part we can install a 3-phase track for Up&Down lighting. It is ideal for lighting up decorative elements and products that you want to highlight or to create different environments within a space. Its use is widespread in commercial environments such as showrooms and retail. They are spaces that require a versatile lighting system that adapts to the needs of each situation. In addition, it has an internal tray (in the lower part) where we house the LED and the power supply. This can be removed from the front, meaning easy maintenance and this allows the rigid LED strip to be screwed on one side and the power supply on the other.

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.



Aluminium profile

16.033	anodised silver	3.40m
16.034	lacquered black textured	3.40m
16.035	lacquered white textured	3.40m



Aluminium tray

16.027	lacquered white	3.4m
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Polycarbonate cover

18.111	frosted	3.40m
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3-phase rail

16.037	white	2m
16.038	black	2m



Hanging kit

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



Aluminium endcaps

19.362	anodised silver
19.363	lacquered black textured
19.364	lacquered white textured



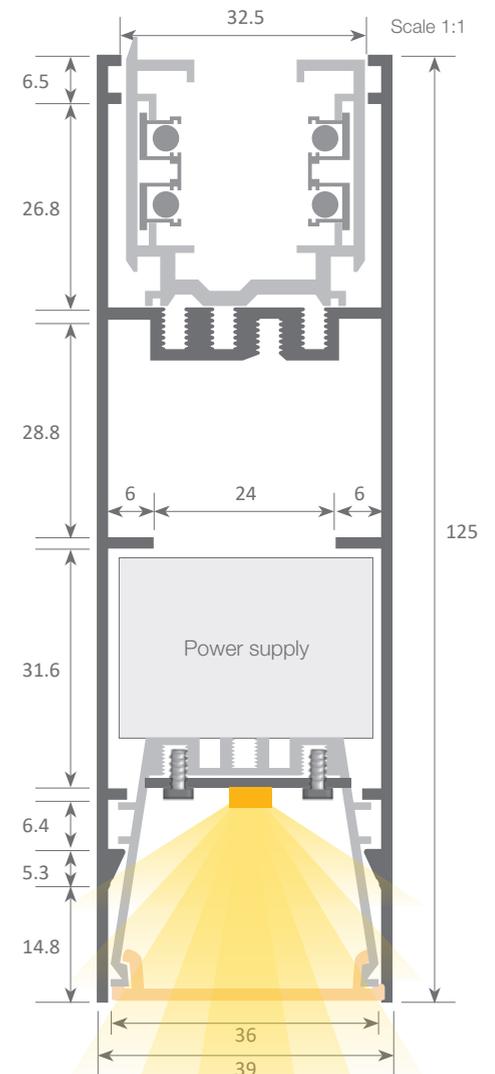
Hanging kit with screw

21.020	black	set of 2 units
21.021	white	set of 2 units
21.022	chrome	set of 2 units



Safety cable

22.039	steel	18cm
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Tolerances: UNE-EN 12020-2 / Theoretical weight: 1.583 kg / Alloy: 6060 / Perimeter: 784,2 mm / Treatment: T-5



Hanging kit for 3-phase rail

22.170 white
22.183 black



Flexible joining

22.156 white
22.157 black



Straight joining

22.162 white (right)
22.163 black (right)



Connector adapter

22.168 negro
22.169 black



T-shaped derivation

22.158 white (right)
22.159 black (right)
22.160 white (left)
22.161 black (left)



Corner

22.164 white (right)
22.165 black (right)
22.166 white (left)
22.167 black (left)



led profile by Luz Negra

LOLA

Our PROFESSIONAL led profile series for surface/hanging applications is manufactured in high purity aluminium, with 8 different colours to choose from. Its inner tray (where we can find the led and power supply) can be removed from the front which means easy maintenance. The tray can also be placed on the upper part of the profile. It has a transparent or frosted microprism cover which improves UGR. 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.



Aluminium profile

17.012	azure blue lacquered (ral 5009)	6m
17.013	white lacquered (ral 9003)	6m
17.014	black lacquered (ral 9005)	6m
17.016	patina green lacquered (ral 6000)	6m
17.017	stone grey lacquered (ral 7030)	6m
17.018	pastel yellow lacquered (ral 1034)	6m
17.019	tomato red lacquered (ral 3013)	6m
17.020	ivory lacquered (ral 1014)	6m

Inner sliding or up tray

17.015	azure blue lacquered (ral 5009)	6m
17.021	patina green lacquered (ral 6000)	6m
17.022	stone grey lacquered (ral 7030)	6m
17.023	pastel yellow lacquered (ral 1034)	6m
17.024	tomato red lacquered (ral 3013)	6m
17.025	ivory lacquered (ral 1014)	6m
17.026	white lacquered (ral 9003)	6m
17.027	black lacquered (ral 9005)	6m



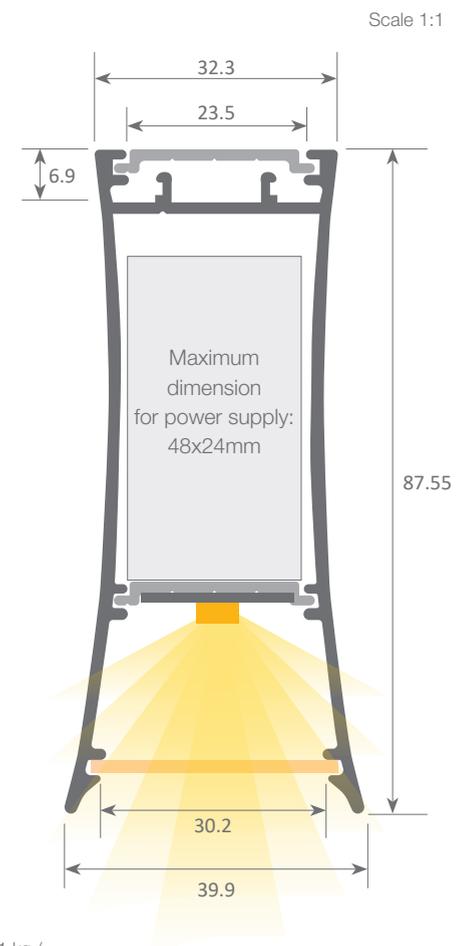
Polycarbonate cover

18.124	transparent microprism	2m
18.125	frosted microprism	2m
18.122	transparent microprism	6m
18.123	frosted microprism	6m

Aluminium endcaps

19.374	azure blue lacquered (ral 5009)
19.375	white lacquered (ral 9003)
19.376	black lacquered (ral 9005)
19.377	patina green lacquered (ral 6000)
19.378	stone grey lacquered (ral 7030)
19.379	pastel yellow lacquered (ral 1034)
19.380	tomato red lacquered (ral 3013)
19.381	ivory lacquered (ral 1014)

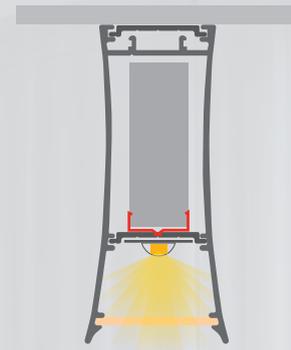
Ral colours



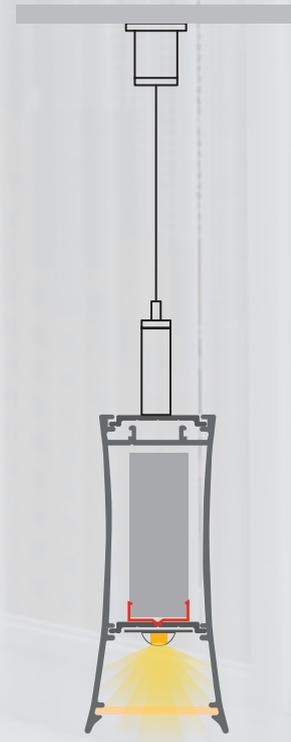
Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 1.091 kg / Alloy: 6063 / Perimeter: 527 mm / Purity aluminium: 98.5% / Treatment: T-5



Surfaces



Hanging



Clip

20.007 chrome steel
20.008 black oxide finish



Hanging kit

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

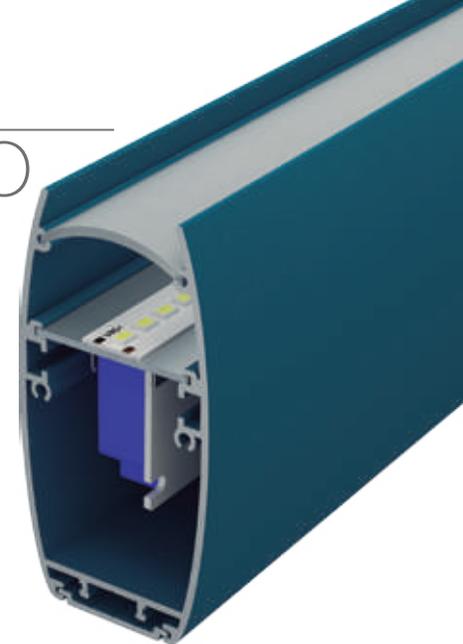


led profile by Luz Negra

RICARDO

Our PROFESSIONAL led profile series for surface/hanging applications is manufactured in high purity aluminium, with 8 different colours to choose from. Its inner tray (where we can find the led and power supply) can be removed from the front which means easy maintenance. The tray can also be placed on the upper part of the profile. It has a transparent or frosted microprism cover which improves UGR. 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.



Aluminium profile

17.052	azure blue lacquered (ral 5009)	6m
17.053	white lacquered (ral 9003)	6m
17.054	black lacquered (ral 9005)	6m
17.055	patina green lacquered (ral 6000))	6m
17.056	stone grey lacquered (ral 7030)	6m
17.057	pastel yellow lacquered (ral 1034)	6m
17.058	tomato red lacquered (ral 3013)	6m
17.059	ivory lacquered (ral 1014)	6m

Inner sliding or up tray

17.015	azure blue lacquered (ral 5009)	6m
17.021	patina green lacquered (ral 6000)	6m
17.022	stone grey lacquered (ral 7030)	6m
17.023	pastel yellow lacquered (ral 1034)	6m
17.024	tomato red lacquered (ral 3013)	6m
17.025	ivory lacquered (ral 1014)	6m
17.026	white lacquered (ral 9003)	6m
17.027	black lacquered (ral 9005)	6m



Polycarbonate cover

18.142	transparent microprism	2m
18.144	frosted microprism	2m
18.133	frosted	6m
18.141	transparent microprism	6m
18.143	frosted microprism	6m



Aluminium endcaps

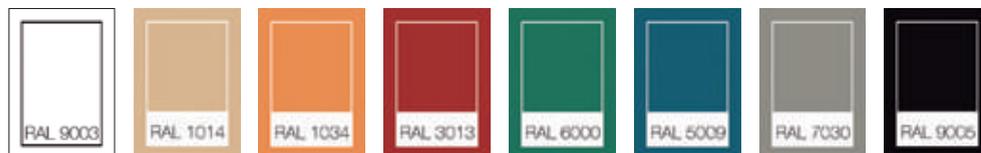
19.388	azure blue lacquered (ral 5009)
19.389	white lacquered (ral 9003)
19.390	black lacquered (ral 9005)
19.391	patina green lacquered (ral 6000))
19.392	stone grey lacquered (ral 7030)
19.393	pastel yellow lacquered (ral 1034)
19.394	tomato red lacquered (ral 3013)
19.395	ivory lacquered (ral 1014)



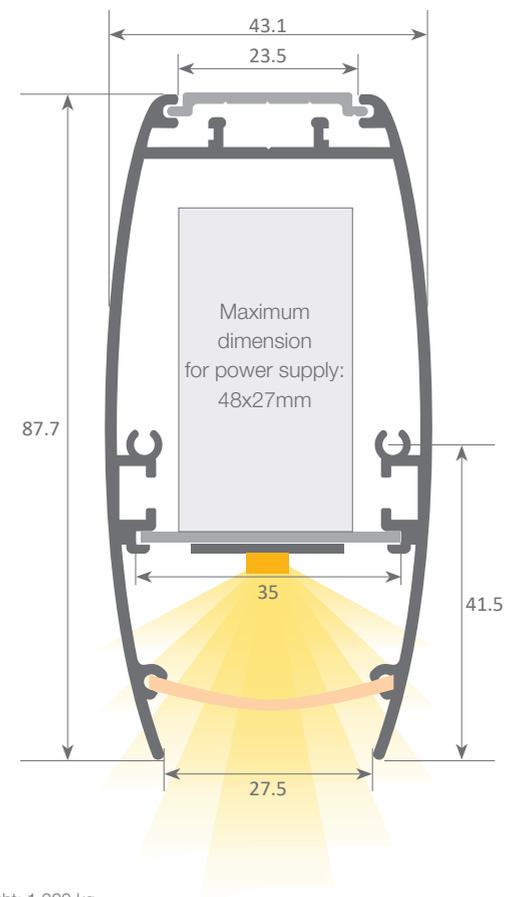
Inner plate

22.191	raw	6m
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Ral colours



Scale 1:1

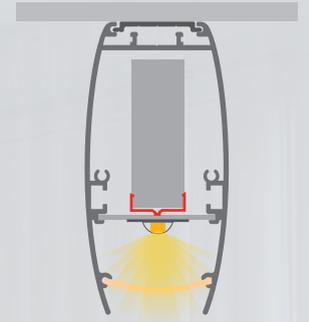


Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 1.320 kg / Alloy: 6063 / Perimeter: 603 mm / Purity aluminium: 98.5% / Treatment: T-5

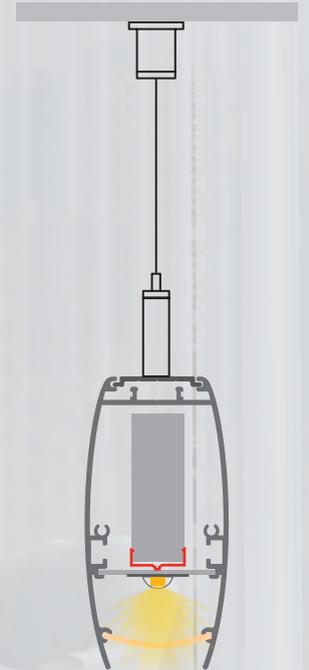
led profile by Luz Negra



Surfaces



Hanging



Joining

22.005 steel



120° angle bracket

22.004 steel



90° angle bracket

22.003 steel



Clip

20.007 chrome steel
20.008 black oxide finish



Hanging kit

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

led profile by Luz Negra

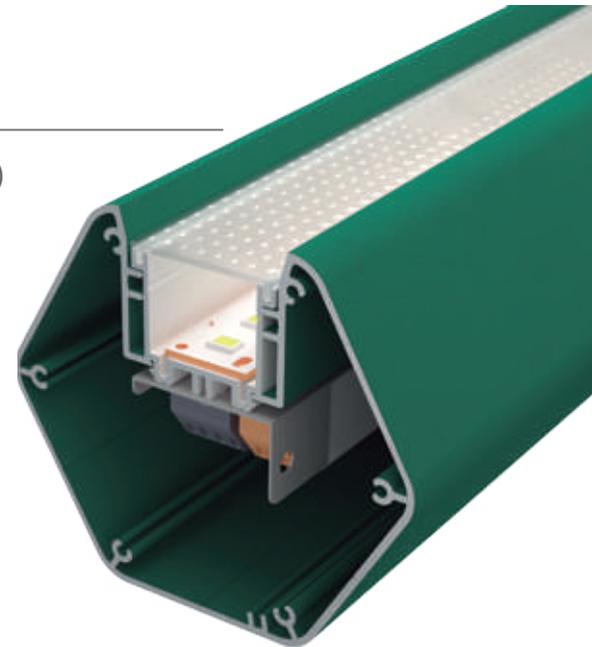
Paco

Our PROFESSIONAL led profile series for surface/hanging applications is manufactured in high purity aluminium, with 8 different colours to choose from.

The profile has an elegant hexagonal shape which can be rotated to achieve the desired lighting effect. Its inner tray (where we can find the led and power supply) can be removed from the front which means easy maintenance.

This profile can be combined with microprism covers both in transparent and frosted ("easy-ON" system), 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.



Aluminium profile

17.036	azure blue lacquered (ral 5009)	6m
17.037	white lacquered (ral 9003)	6m
17.038	black lacquered (ral 9005)	6m
17.039	patina green lacquered (ral 6000))	6m
17.040	stone grey lacquered (ral 7030)	6m
17.041	pastel yellow lacquered (ral 1034)	6m
17.042	tomato red lacquered (ral 3013)	6m
17.043	ivory lacquered (ral 1014)	6m



Aluminium endcaps

19.404	azure blue lacquered (ral 5009)	
19.405	white lacquered (ral 9003)	
19.406	black lacquered (ral 9005)	
19.407	patina green lacquered (ral 6000))	
19.408	stone grey lacquered (ral 7030)	
19.409	pastel yellow lacquered (ral 1034)	
19.410	tomato red lacquered (ral 3013)	
19.411	ivory lacquered (ral 1014)	



"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	chrome	set of 2 units
21.002	white	set of 2 units
21.003	black	set of 2 units



Aluminium tray

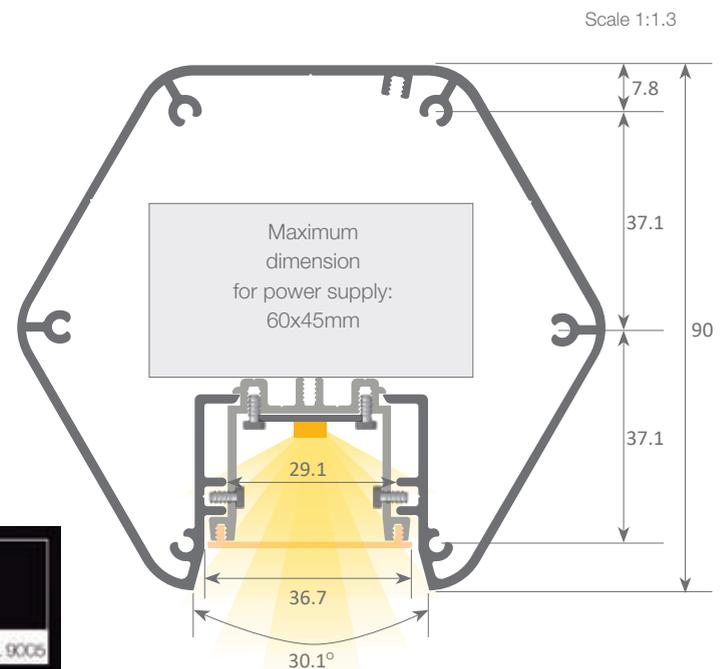
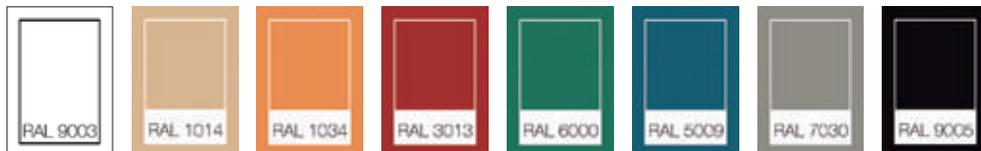
15.007	lacquered white	6m
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Safety cable

22.039	steel	18cm
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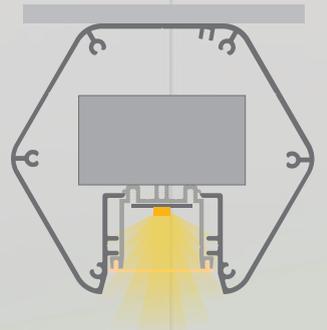
Ral colours



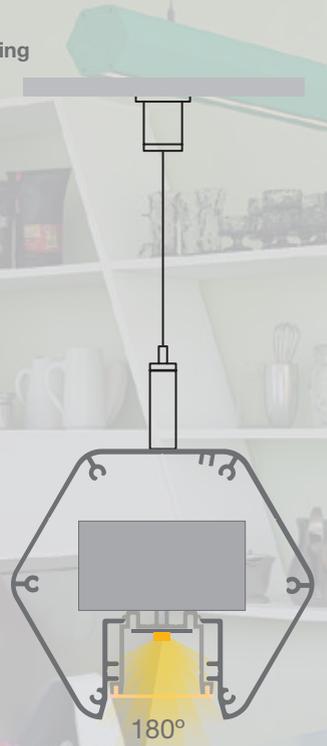
Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 2.101 kg / Alloy: 6063 / Perimeter: 885 mm / Anodisation minimum: 10 micras / Purity aluminium: 98.5% / Treatment: T-5



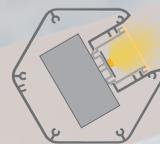
Surfaces



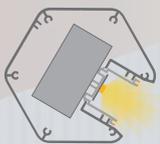
Hanging



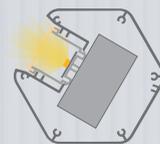
Different positions



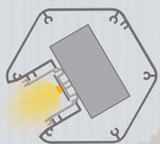
60°



120°



240°



300°

led profile by Luz Negra

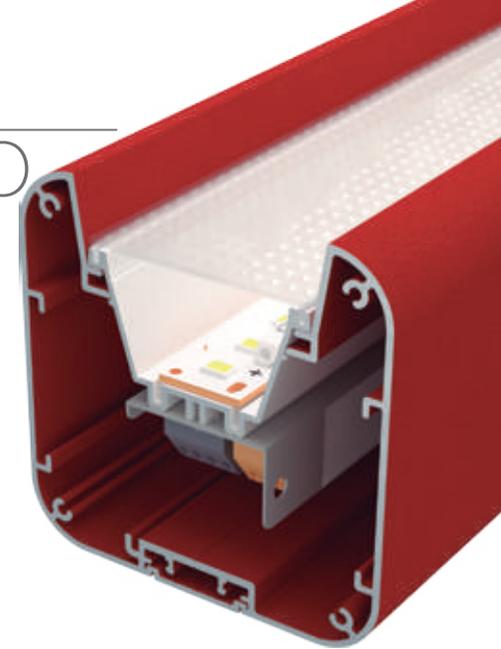
ANTONIO

Our PROFESSIONAL led profile series for surface/hanging applications is manufactured in high purity aluminium, with 8 different colours to choose from.

Its inner tray (where we can find the led and power supply) can be removed from the front which means easy maintenance.

This profile can be combined with microprism covers both in transparent and frosted ("easy-ON" system), 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.



Aluminium profile

17.028	azure blue lacquered (ral 5009)	6m
17.029	white lacquered (ral 9003)	6m
17.030	black lacquered (ral 9005)	6m
17.031	patina green lacquered (ral 6000)	6m
17.032	stone grey lacquered (ral 7030)	6m
17.033	pastel yellow lacquered (ral 1034)	6m
17.035	tomato red lacquered (ral 3013)	6m
17.035	tivory lacquered (ral 1014)	6m

Inner sliding or up tray

17.015	azure blue lacquered (ral 5009)	6m
17.021	patina green lacquered (ral 6000)	6m
17.022	stone grey lacquered (ral 7030)	6m
17.023	pastel yellow lacquered (ral 1034)	6m
17.024	tomato red lacquered (ral 3013)	6m
17.025	tivory lacquered (ral 1014)	6m
17.026	white lacquered (ral 9003)	6m
17.027	black lacquered (ral 9005)	6m



Aluminium tray

14.007	lacquered white	6m
14.042	lacquered black	6m



Space to house joint plates or 90° inner brackets.

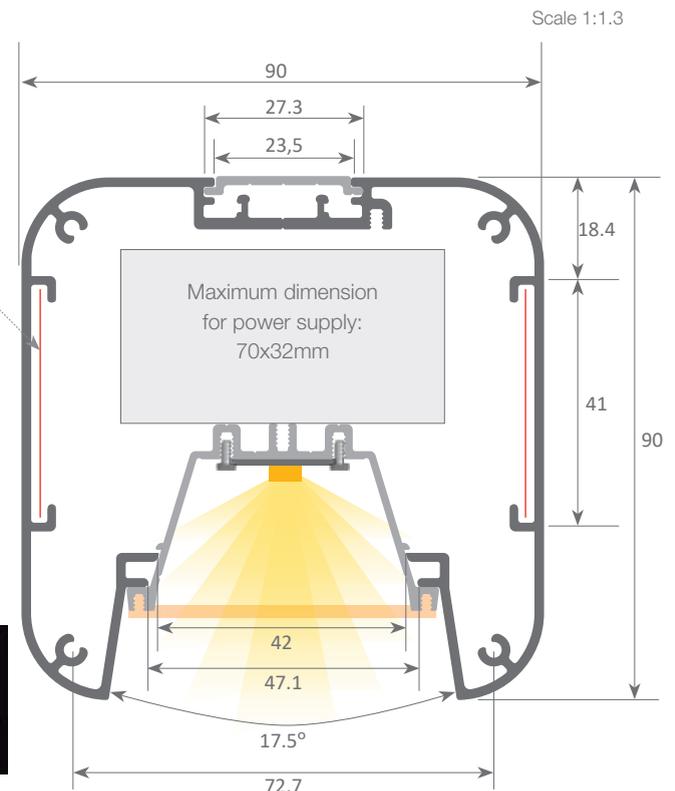
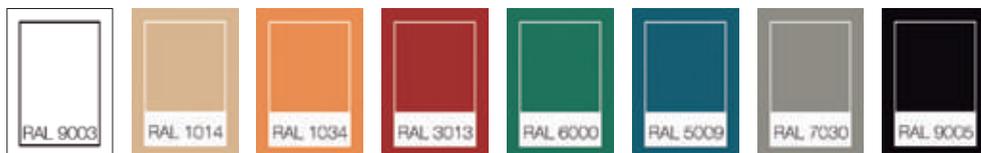
Aluminium endcaps

19.412	azure blue lacquered (ral 5009)	
19.413	white lacquered (ral 9003)	
19.414	black lacquered (ral 9005)	
19.415	patina green lacquered (ral 6000)	
19.416	stone grey lacquered (ral 7030)	
19.417	pastel yellow lacquered (ral 1034)	
19.418	tomato red lacquered (ral 3013)	
19.419	tivory lacquered (ral 1014)	

"easy-ON" polycarbonate cover

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m

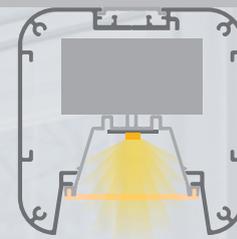
Ral colours



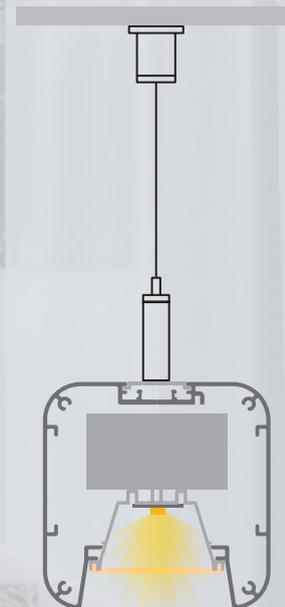
Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 2.303 kg / Alloy: 6063 / Perimeter: 967 mm / Anodisation minimum: 10 micras / Purity aluminium: 98.5% / Treatment: T-5



Surfaces



Hanging



90° angle bracket
22.040 aluminium set of 2 units



Flat bracket
22.057 aluminium set of 2 units



Joining plate
22.041 aluminium set of 2 units



Clip
20.007 chrome steel
20.008 black oxide finish



Hanging kit
21.001 chrome set of 2 units
21.002 white set of 2 units
21.003 black set of 2 units



Safety cable
22.039 steel 18cm

led profile by Luz Negra

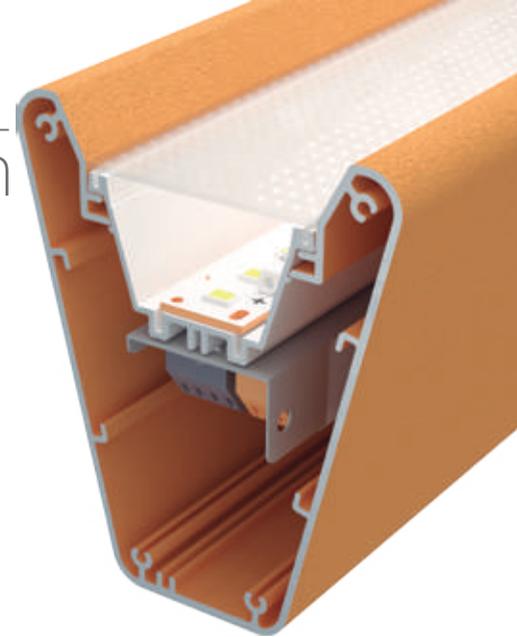
Carmen

Our PROFESSIONAL led profile series for surface/hanging applications is manufactured in high purity aluminium, with 8 different colours to choose from.

Its inner tray (where we can find the led and power supply) can be removed from the front which means easy maintenance.

This profile can be combined with microprism covers both in transparent and frosted ("easy-ON" system), 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.



Aluminium profile

17.044	azure blue lacquered (ral 5009)	6m
17.045	white lacquered (ral 9003)	6m
17.046	black lacquered (ral 9005)	6m
17.047	patina green lacquered (ral 6000)	6m
17.048	stone grey lacquered (ral 7030)	6m
17.049	pastel yellow lacquered (ral 1034)	6m
17.050	tomato red lacquered (ral 3013)	6m
17.051	tivory lacquered (ral 1014)	6m

Bandeja deslizante

19.396	azure blue lacquered (ral 5009)	6m
19.399	patina green lacquered (ral 6000)	6m
19.398	black lacquered (ral 9005)	6m
19.397	white lacquered (ral 9003)	6m
19.400	stone grey lacquered (ral 7030)	6m
19.401	pastel yellow lacquered (ral 1034)	6m
19.402	tomato red lacquered (ral 3013)	6m
19.403	tivory lacquered (ral 1014)	6m



"easy-ON" polycarbonate cover

18.074	frosted	6m
18.075	transparent microprism	6m
18.076	frosted microprism	6m



Hanging kit

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



Aluminium tray

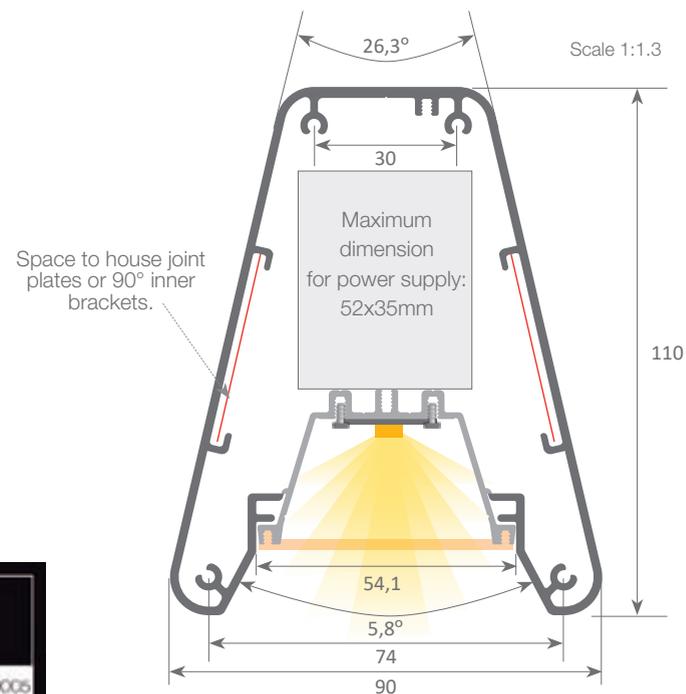
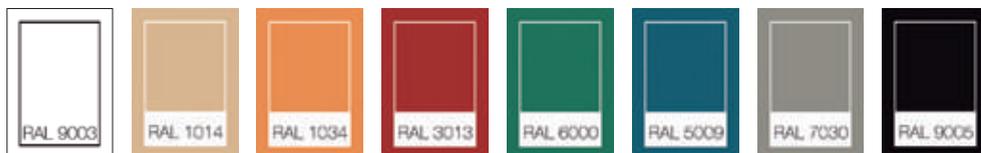
14.007	lacquered white	6m
14.042	lacquered black	6m



Safety cable

22.039	steel	18cm
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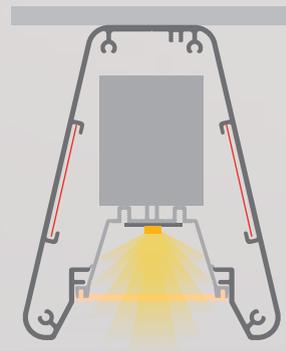
Ral colours



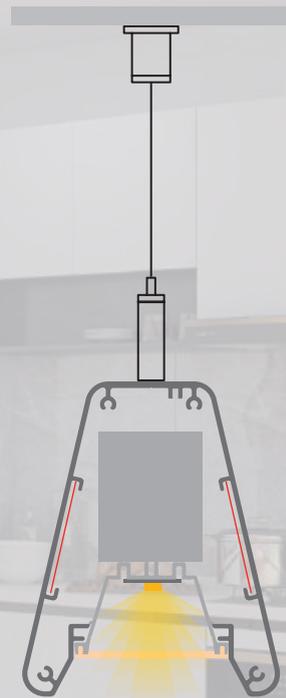
Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 2.249 kg / Alloy: 6063 / Perimeter: 935 mm / Anodisation minimum: 10 micras / Purity aluminium: 98.5% / Treatment: T-5



Surfaces



Hanging



90° angle bracket
22.040 aluminium

set of 2 units



Flat bracket
22.057 aluminium

set of 2 units



Joining plate
22.041 aluminium

set of 2 units

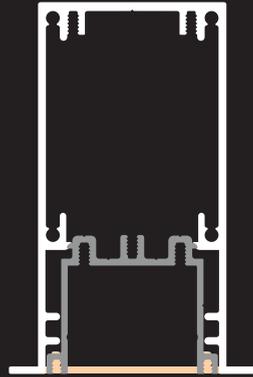
big profiles for recessing





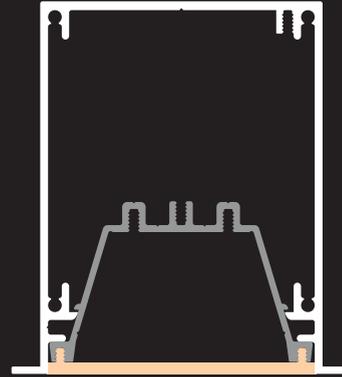
MOSCU
MINI

214



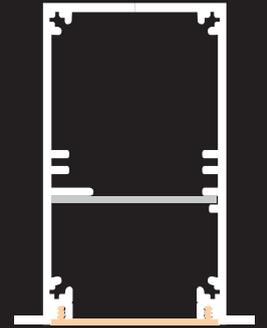
MOSCU
MAGNUM
SLIM

216



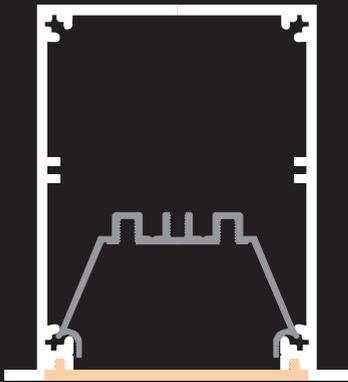
MOSCU
MAGNUM

218



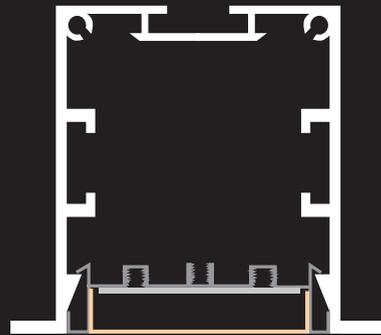
MOSCU
SLIM

220



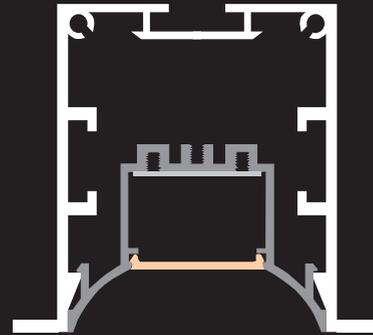
MOSCU

221



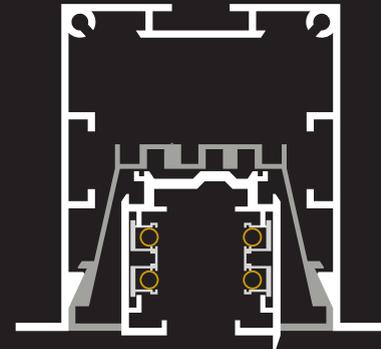
KRAKOVIA
with OPTIC

222



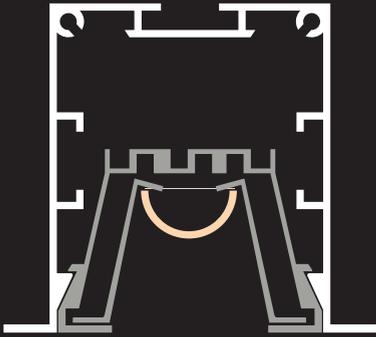
KRAKOVIA
with RECESSED
TRAY

223



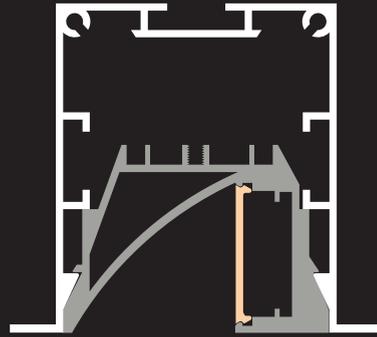
KRAKOVIA
with 3-phase rail

224



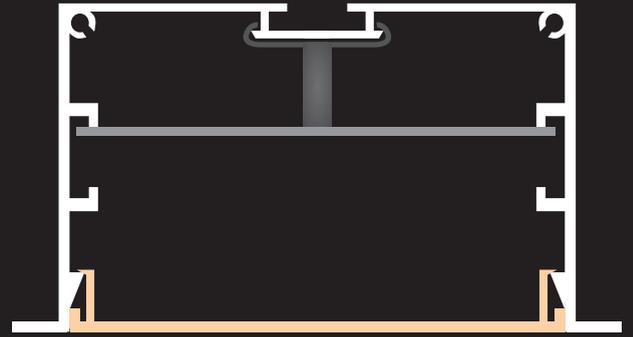
KRAKOVIA
with tray and
trellis

226



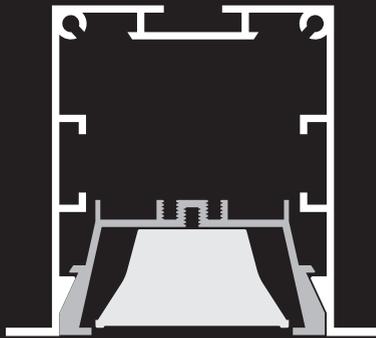
KRAKOVIA
ASYMMETRIC

226



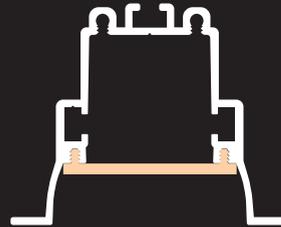
ANDORRA

227



KRAKOVIA
with reflector
and optic

227A



KIEV

227B



SIDNEY

227D

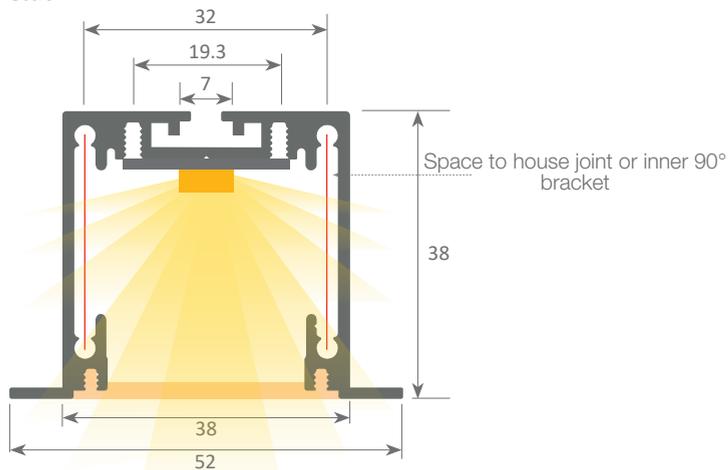
led profile by Luz Negra

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.

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
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"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
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MOSCU MINI

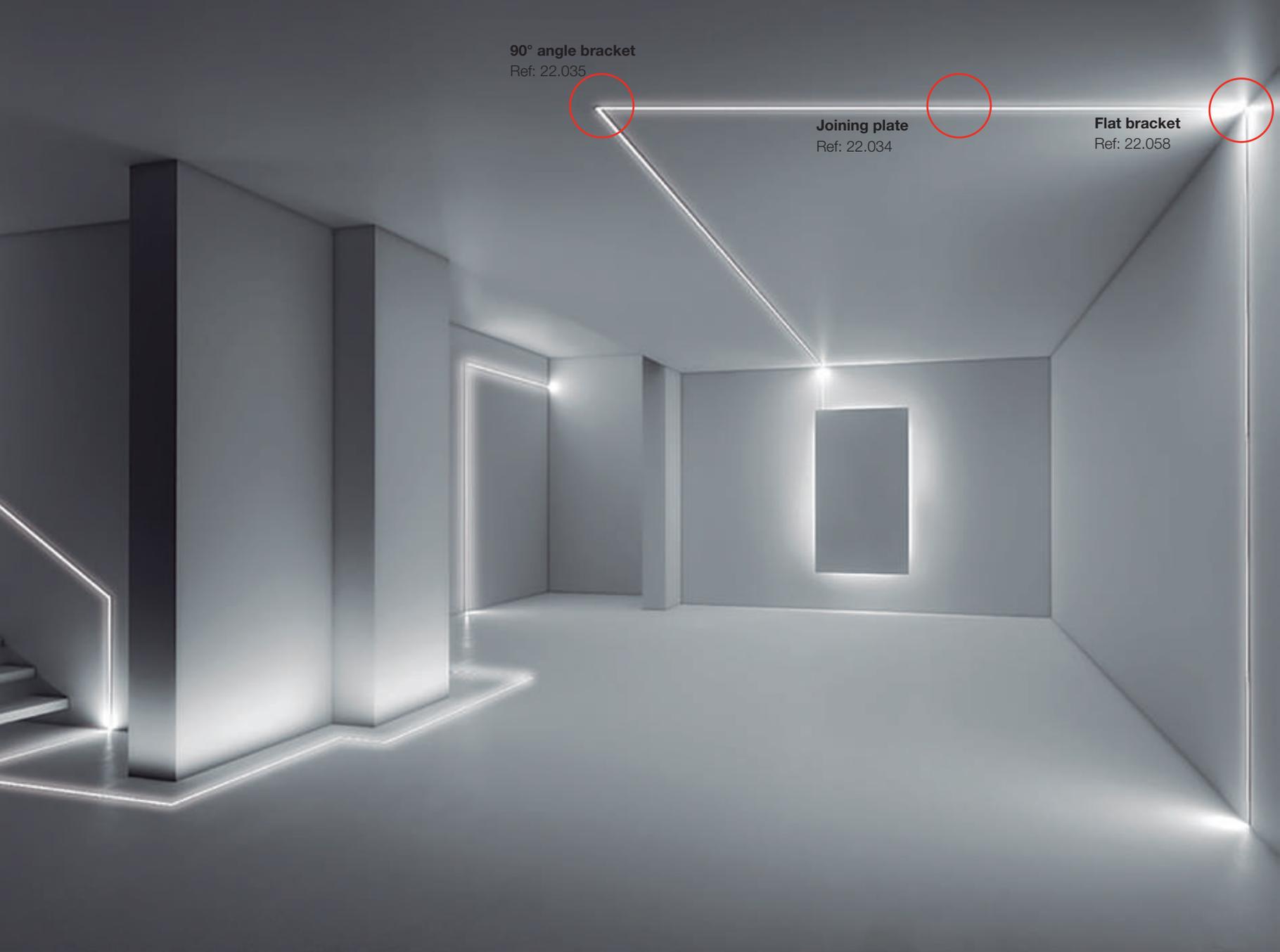


IP65



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

Joining plate
Ref: 22.034

Flat bracket
Ref: 22.058



90° angle bracket
22.035 aluminium set of 2 units



Joining plate
22.034 aluminium set of 2 units



Flat bracket
22.058 aluminium set of 2 units



Patente Europea
Nº.: 13156605.1

led profile by Luz Negra

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	6m
15.005	lacquered white	6m
15.006	lacquered black	6m



Aluminium tray

15.007	lacquered white	6m
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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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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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Joining plate

22.041	aluminium	set of 2 units
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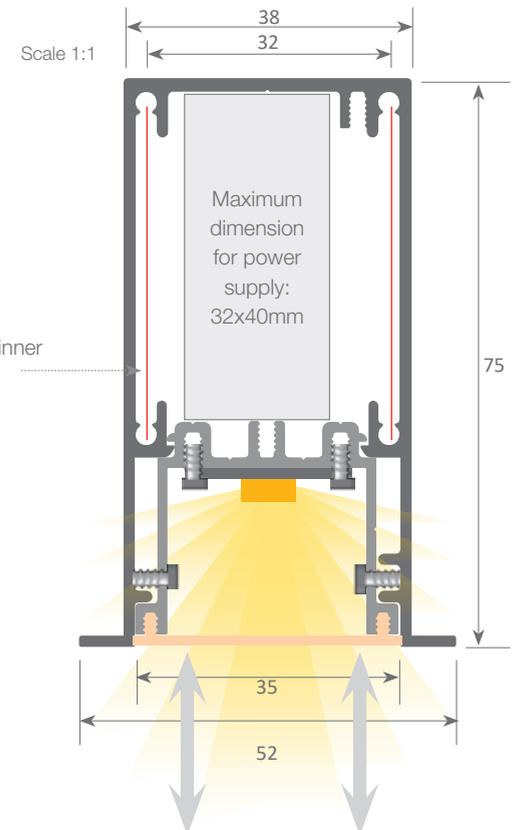
Safety cable

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



led profile by Luz Negra

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
14.042	lacquered black	6m



"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



Reflector with 4 module optics

46.046	white 50° optic
46.047	black 50° optic
46.048	white 80° optic
46.049	black 80° optic



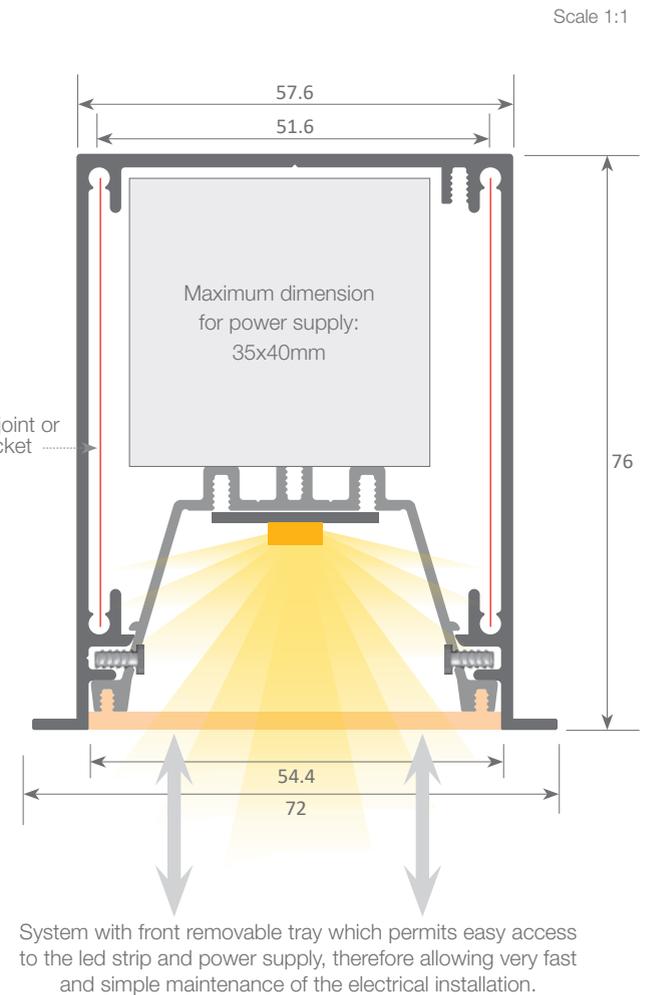
Safety cable

22.039	steel	18 cm
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Fixing bracket

20.044	steel
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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: 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



Flat bracket
22.059 aluminium set of 2 units



90° angle bracket
22.037 aluminium set of 2 pieces



Joining plate
22.038 aluminium set of 2 pieces

led profile by Luz Negra

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.

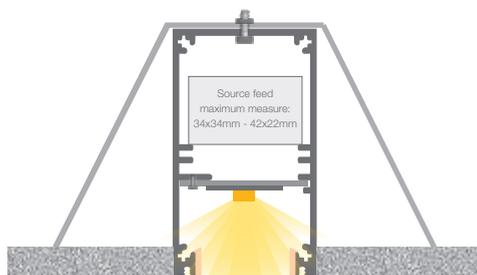
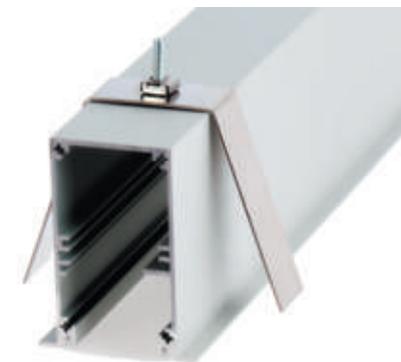
Both profile and cover are available in 6m length allowing us to carry out long projects without joints.

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

MOSCU SLIM



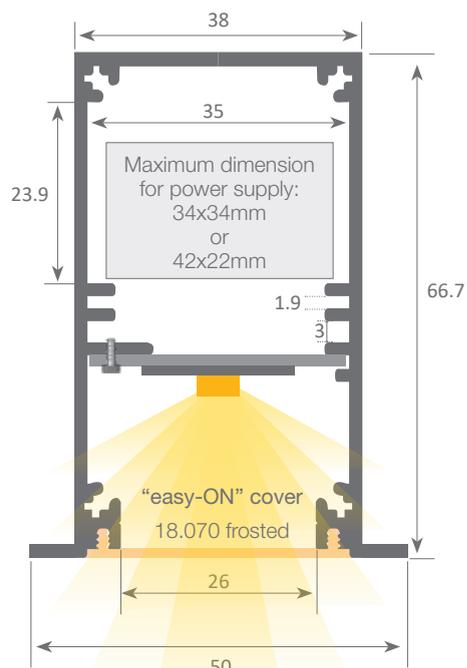
IP65



Microprism cover

18.071 transparent - 18.072 frosted

Scale 1:1



Aluminium profile

15.001	silver anodised	6m
15.002	lacquered white	6m
15.003	lacquered black	6m



"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



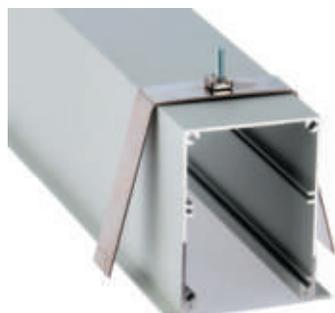
Inner plate

- 22.190 aluminium 200 cm

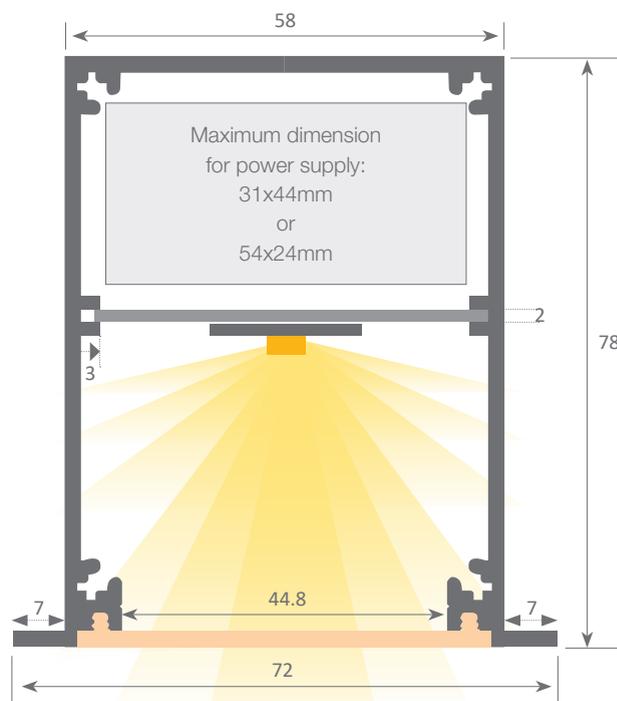


Aluminium endcaps

- 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

led profile by Luz Negra

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

Scale 1:1



Optic

See page 307



Joint between profiles

22.044 steel set of 2 units



Aluminium endcaps

19.201	grey
19.202	white
19.203	black



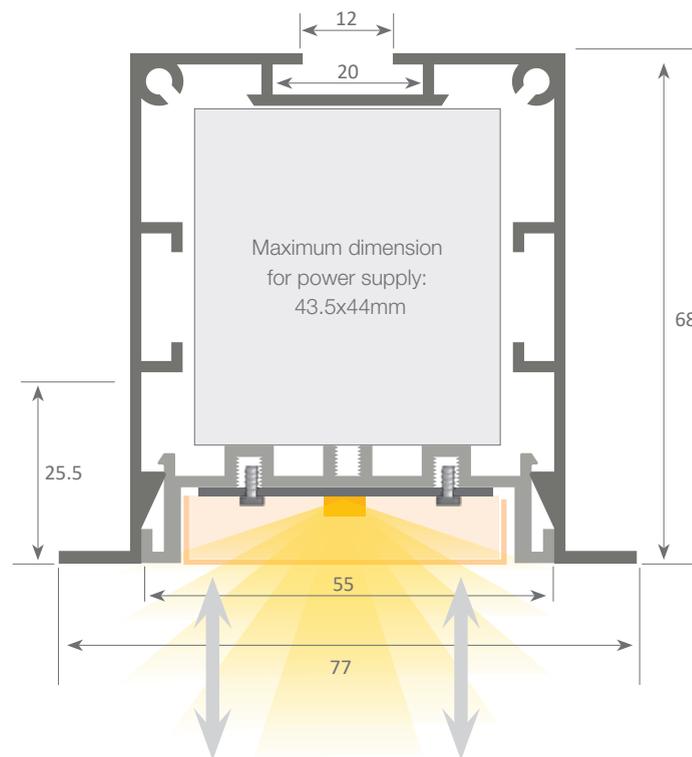
Fixing bracket

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.



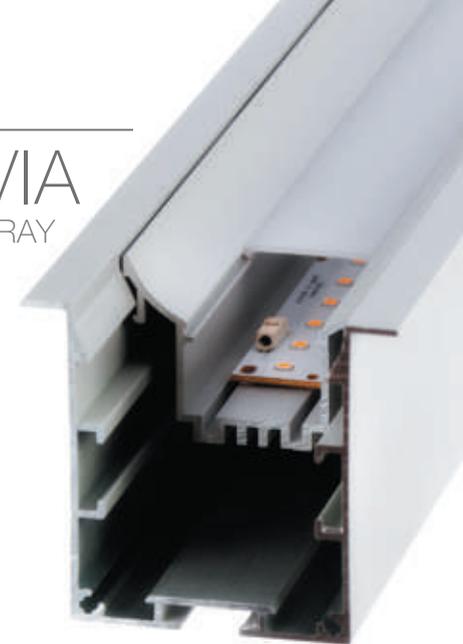
Aluminium alloy extrusion process in accordance with: ISO 9001:2008 - ISO 14001 / Tolerances: UNE-EN 755-9 / UNE-EN 12020-2
Theoretical weight: 1.202Kg / Alloy: 6063 / Perimeter: 562mm / Anodising minimum: 15 microns
Purity aluminium: 95-98% / Treatment: T-5

led profile by Luz Negra

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



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

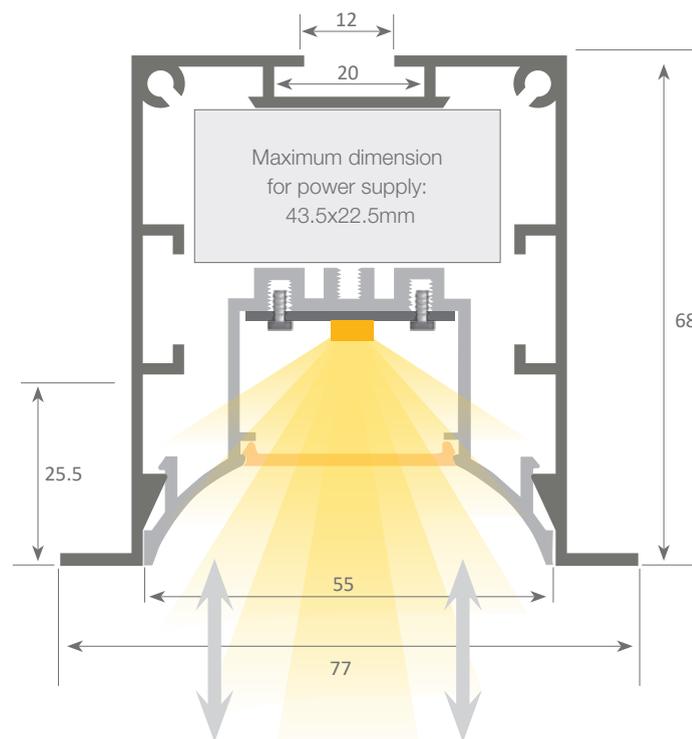
20.047	steel
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Safety cable

22.039	steel	18cm
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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: 6063 / Perimeter: 562mm / Anodising minimum: 15 microns
Purity aluminium: 95-98% / Treatment: T-5

led profile by Luz Negra

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

16.037 textured white 3m
16.038 textured black 3m



Joint between profiles

22.044 steel set of 2 units



Aluminium endcaps

19.202 white
19.203 black



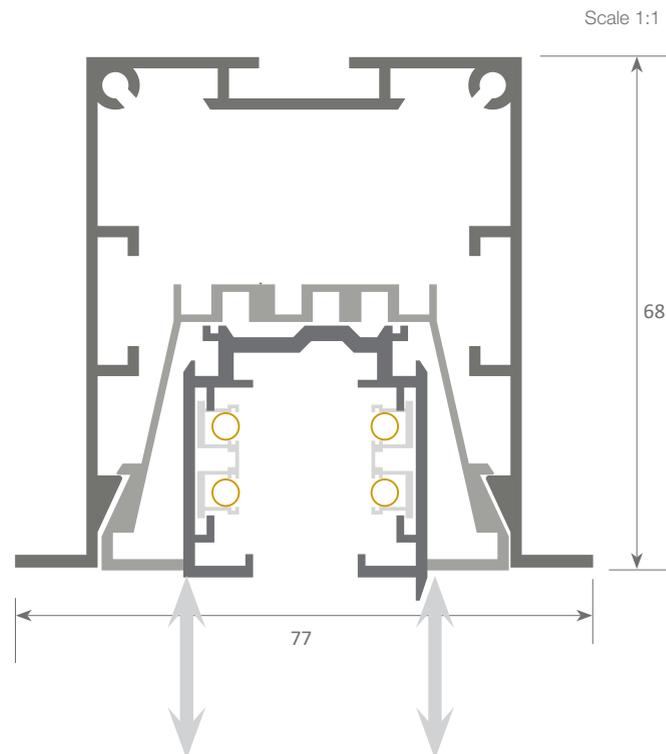
Fixing bracket

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

led profile by Luz Negra

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 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.

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



Aluminium endcaps

19.202 white
19.203 black



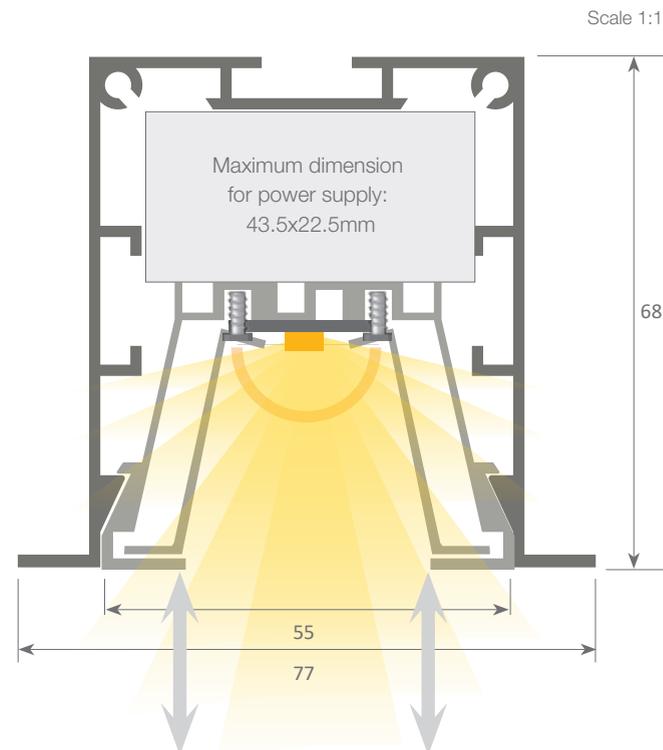
Fixing bracket

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: 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 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
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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

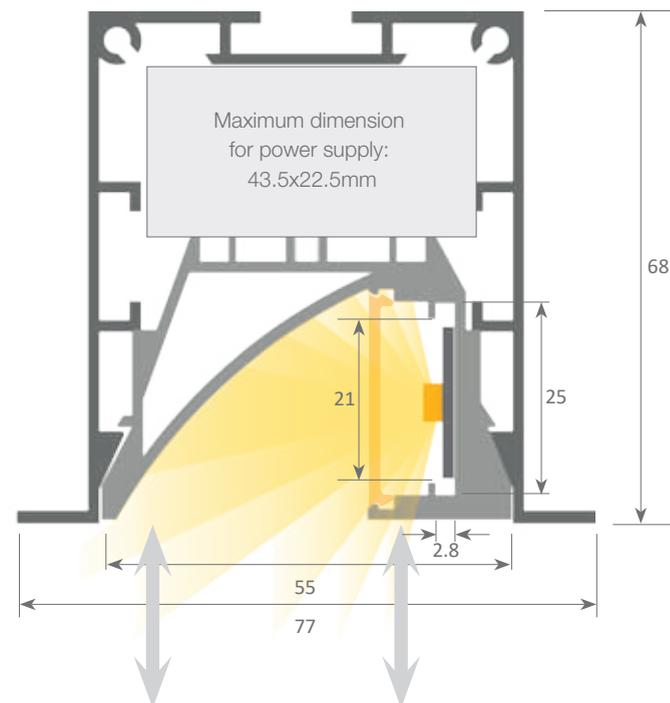
20.047	steel
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Safety cable

22.039	steel	18cm
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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

ANDORRA

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.



Aluminium profile

14.020	textured grey	3.40m
14.021	textured white	3.40m
14.039	textured black	3.40m



Inner plate

22.045	aluminium	200cm
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Polycarbonate cover

18.080	frosted	3.40m
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Joint between profiles

22.044	steel	set of 2 units
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Scale 1:1



Aluminium endcaps

19.204	grey
19.205	white
19.351	black



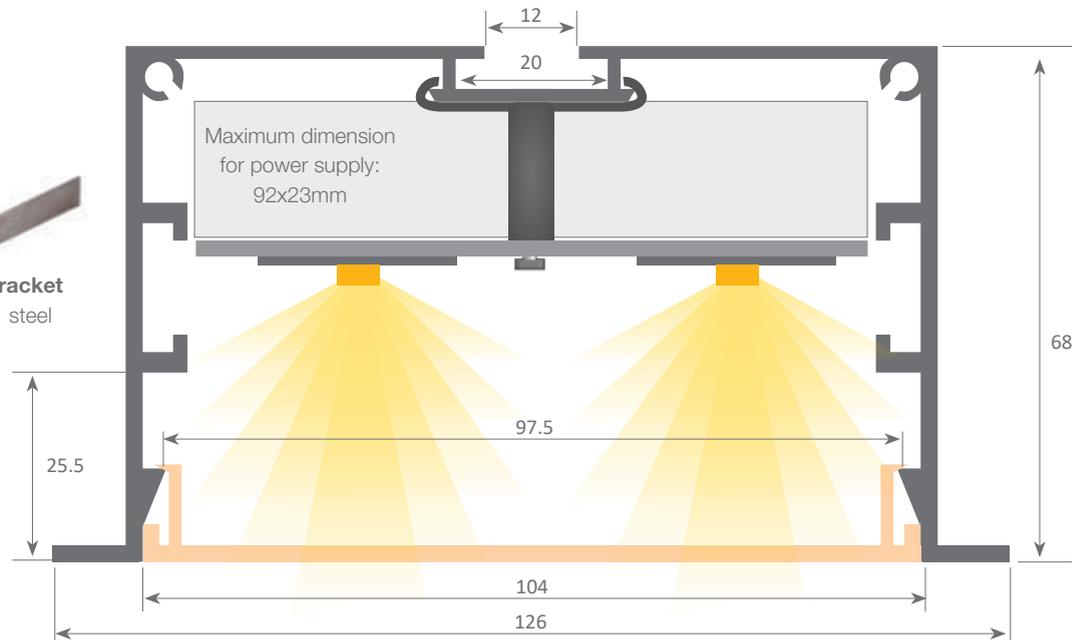
Fixing bracket

20.048	steel
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Plate support

22.047	steel
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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

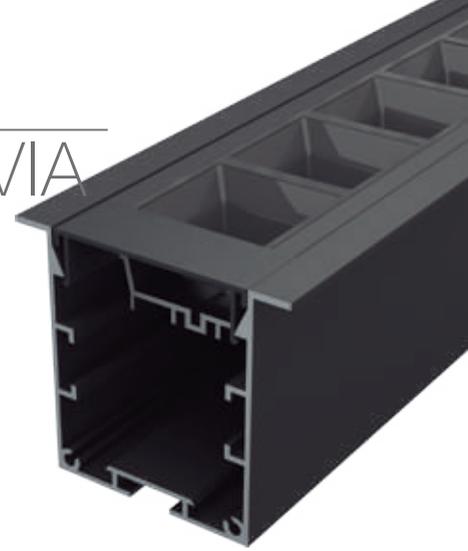
led profile by Luz Negra

led profile professional series for surfaces / hanging applications, manufactured in high purity aluminium and black or white textured coating. The drivers can be housed inside. The profile can be used together with 2 different types of 7 module optics, with 65° or 90° degrees. Also, it has a opaque cover of white or black aluminium for those sections we don't want to illuminate. Thanks to the cover, we lower the UGR and glare effects. The tray can be removed from the front, therefore allowing a maintenance work of the profile. Due to safety reasons, we recommend attaching a twisted wire to the heat dissipating tray from the bottom of the profile. The profile and its cover are available in 3.4 meter lengths.

We offer a 2 year guarantee on profiles and covers.

KRAKOVIA

with reflector
and optic



Aluminium profile

14.012	lacquered white	3.40m
14.013	lacquered black	3.40m



Aluminium tray

14.033	lacquered white	3.40m
14.034	lacquered black	3.40m



Reflector with 7 module

46.066	white	28cm
46.067	black	28cm



Blind cover

18.112	white aluminium	3.40m
18.113	black aluminium	3.40m



Optics de with 7 module

46.068	65°	28cm
46.069	90°	28cm



Aluminium endcaps

19.202	white
19.203	black



Profile joints

22.044	steel
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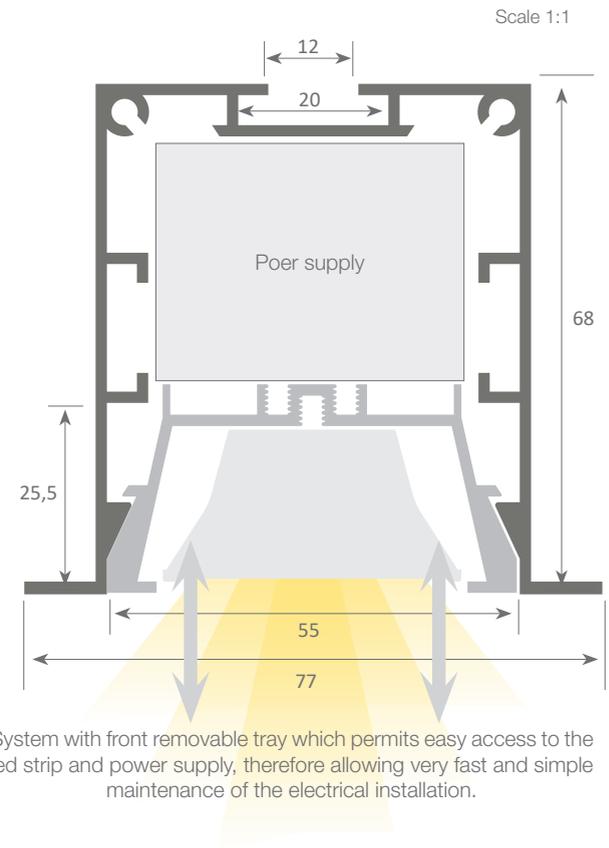
Fixing bracket

20.047	steel
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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.



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: 6063 / Perimeter: 552 / Anodizing minimum: 15 microns
Purity aluminium: 95-98% / Treatment: T-5



led profile by Luz Negra

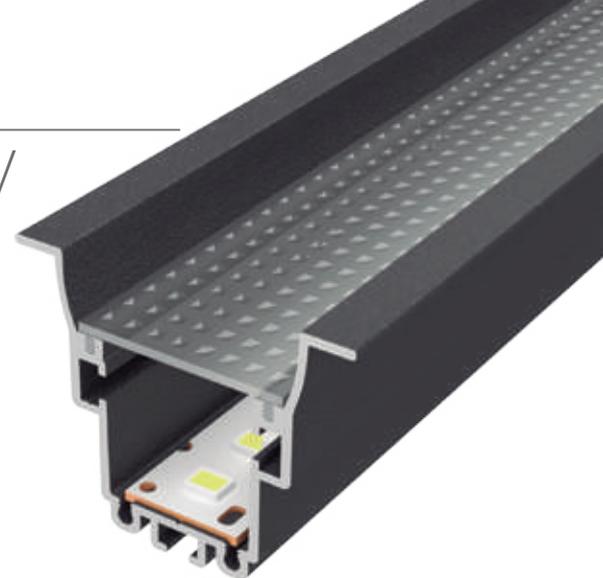
KIEV

Our PROFESIONAL led profile series for embedding is manufactured in high purity aluminium and black or white lacquered aluminium. Ideal for recessing in low ceilings.

Its cover ("easy-ON" system) in white frosted white, which offers an IP65 to the luminaire, is extremely useful in areas with high humidity levels.

Thanks to its recessed shape and transparent or frosted microprism covers which improves UGR. 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.



Aluminium profile

17.060	lacquered white	6m
17.061	lacquered black	6m



Tapas de metal

19.383	lacado blanco
19.384	lacado negro



"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



120° angle bracket

22.004	steel
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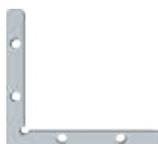
Joining

22.005	steel
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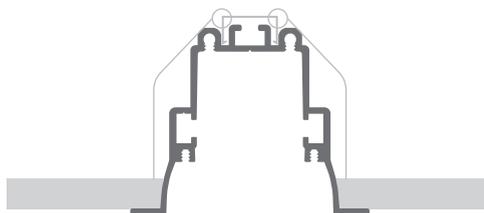
Fixing bracket

20.023	for shallow recessing profiles
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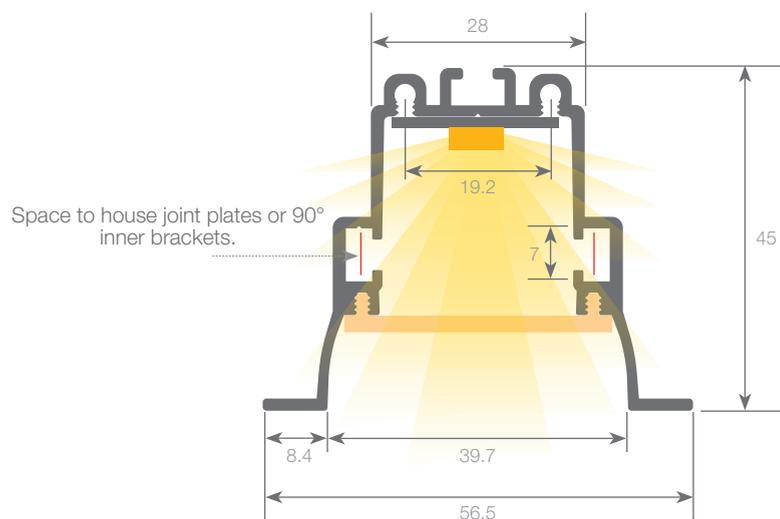


90° angle bracket

22.003	steel
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Scale 1:1



Aluminium alloy extrusion process in accordance with: ISO 9001:2015 / Tolerances: UNE-EN 755-9 / Theoretical weight: 0.734 kg / Alloy: 6063 / Perimeter: 359 mm / Anodised: 10 micras / Purity aluminium: 98.5% / Treatment: T-5



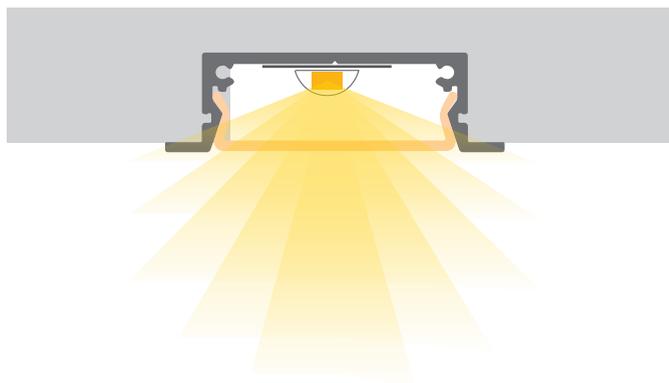
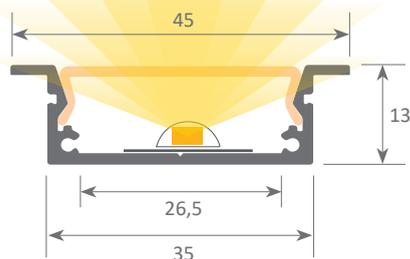
led profile by Luz Negra

SIDNEY

Our professional series led profile for recessing, 13mm high only, manufactured in silver anodized or white lacquered aluminium of high purity. Profile and cover available in 2.5m long bars. This profile is ideal for housing 2 led strips inside with a maximum width of 10mm and a power non greater than 40W/m. We recommend to use the profile together with the opal white cover and the ecoled strips Canovelles-Barcelona-Gomera-Cob in order to obtain a more uniform and homogeneous illumination. You can also install it with our 20mm wide rigid led strips (the dots are slightly marked).

We offer a 2 year guarantee on profiles and covers.

Scale 1:1



Aluminium profile

14.040 silver anodised 2,5m
14.041 white lacquered 2,5m



Metallic endcaps

19.354 white without hole
19.355 silver without hole



Cover

18.117 opal 2,5m



Fixing bracket

20.069 aluminium



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: 0.33kg / Alloy: 6063 / Anodizing 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.



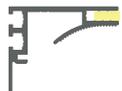
F15 Profile

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. Accesories 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. Accesories are available such as brackets and hangers.



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. Accesories 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.



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.



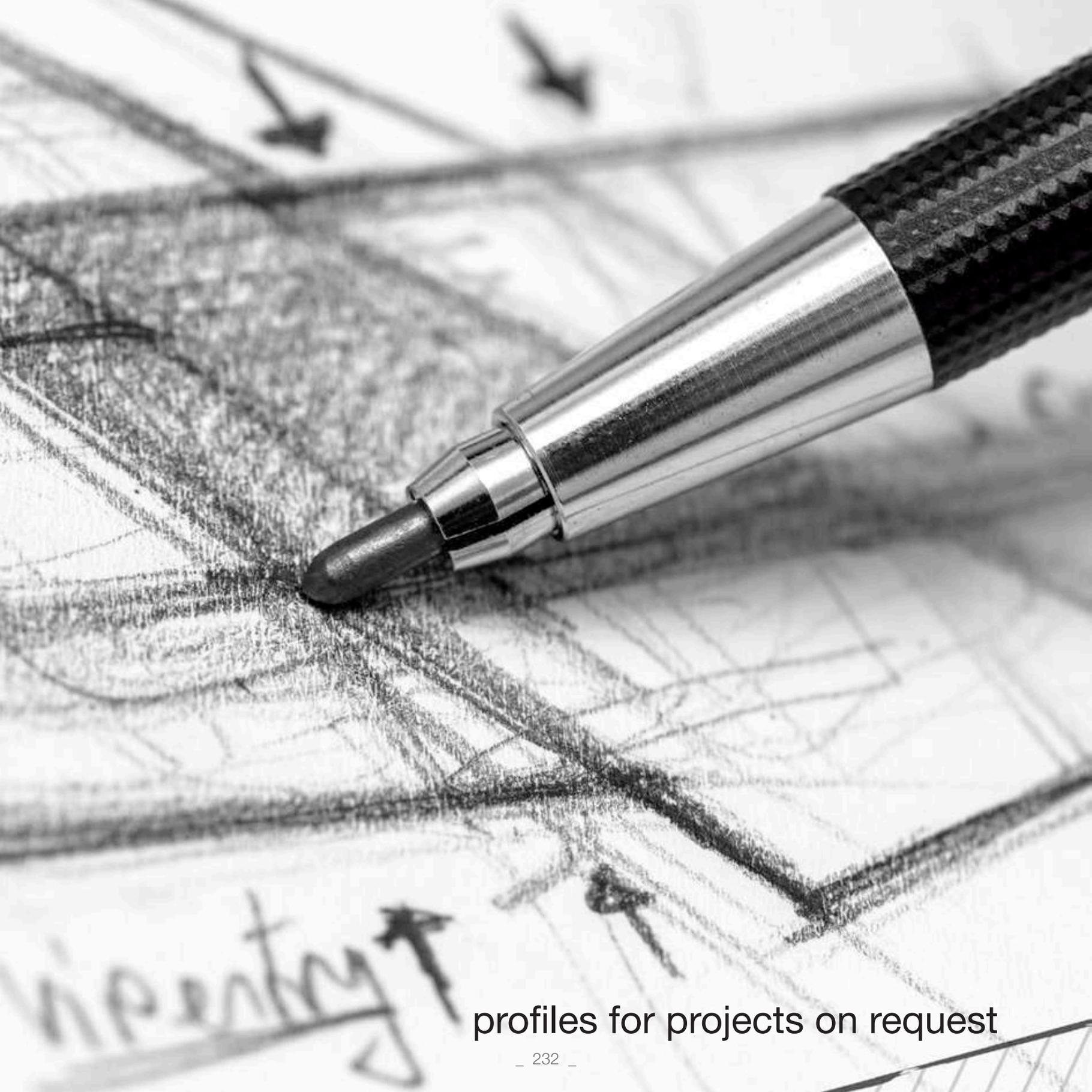
F110 Profile

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.

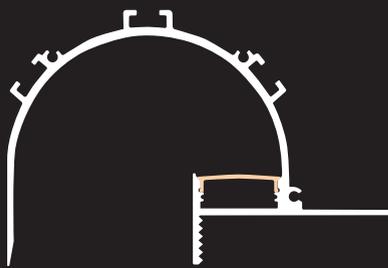


F150 Profile

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

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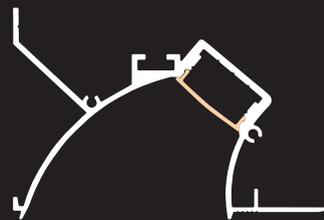
BOGOTA

234



ACAPULCO

235



CANCUN

235



TIJUANA

235



QUITO

236



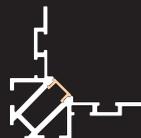
MEDELLIN

236



BRASILIA

236



SANTIAGO

237



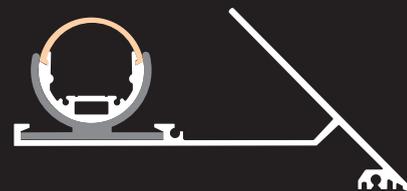
CALI

237



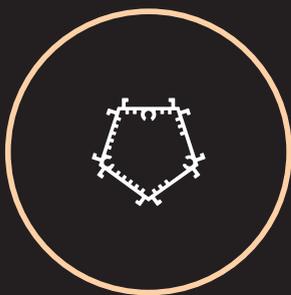
CUZCO

237



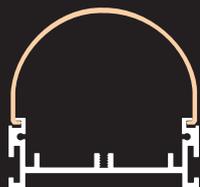
LIMA

238



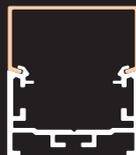
CARTAGO

238



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).

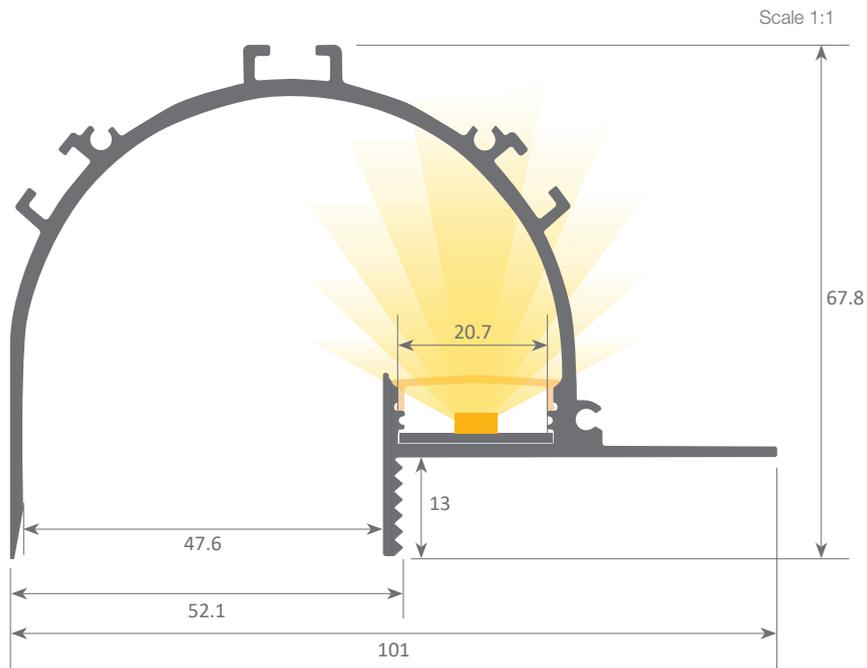
All the profiles in this section are aimed at projects. Although we don't actually hold in our current stock, they can be supplied under petition with an approximate lead time of 60-90 days.

Although the bars are normally manufactured in aluminium, 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 aluminium 3m

Cover

18.089 frosted 3m

Plastic endcaps

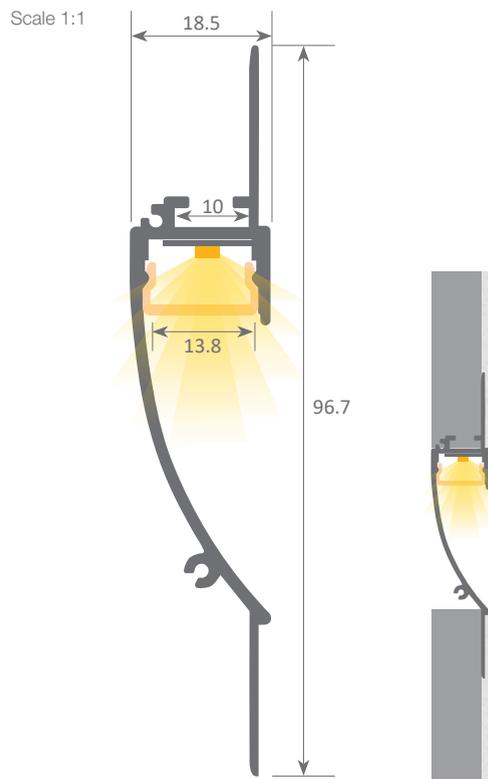
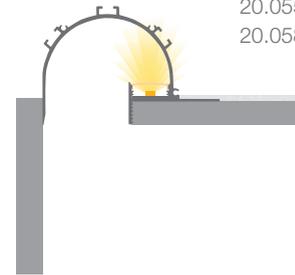
19.255 with hole

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 aluminium 3m

Cover

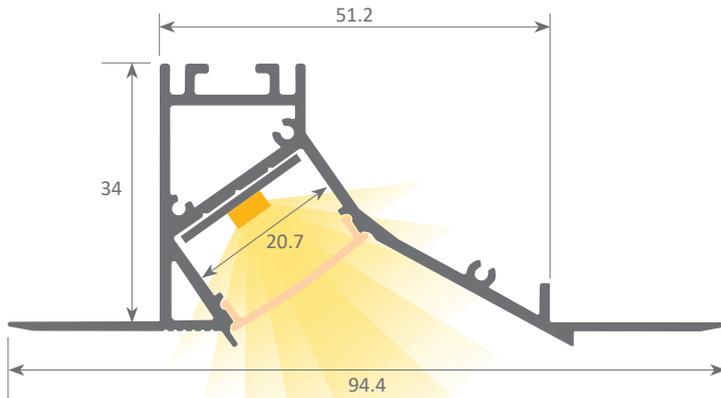
18.088 frosted 3m

Plastic endcaps

19.253 with hole

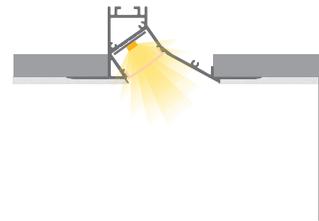
19.254 without hole

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 aluminium 3m

Cover

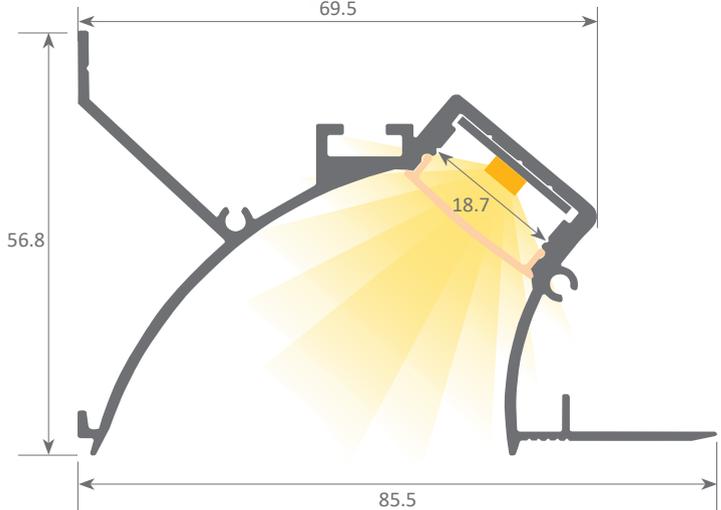
18.090 frosted 3m

Plastic endcaps

19.257 with hole

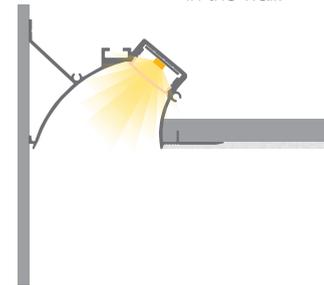
19.258 without hole

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 aluminium 3m

Cover

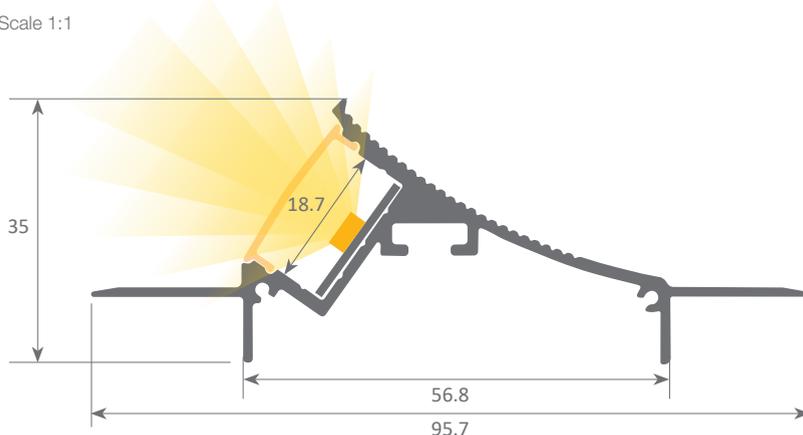
18.091 frosted 3m

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 aluminium 3m

Cover

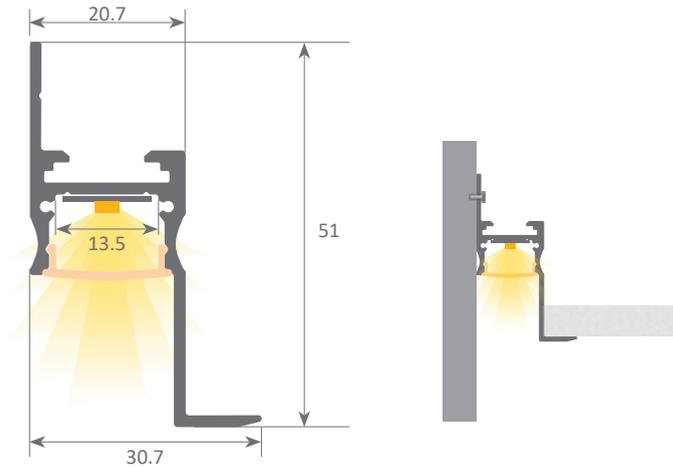
18.092 frosted 3m

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 aluminium 3m

Cover

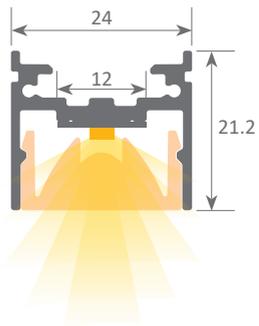
18.093 frosted 3m

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 aluminium 3m

Methacrylate cover

18.099 30° lens 3m

18.104 60° lens 3m

18.107 wallwasher 3m

Polycarbonate cover

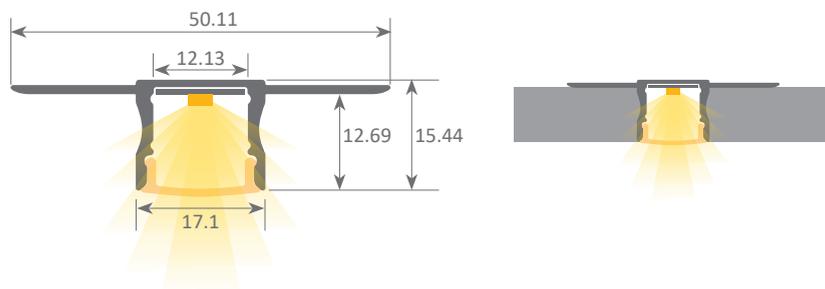
18.106 opal 3m

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 aluminium 3m

Cover

18.095 frosted 3m

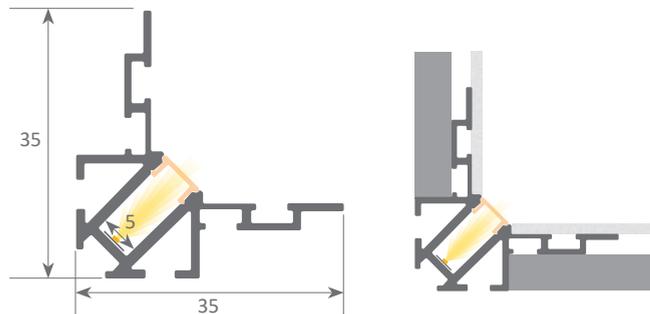
Plastic endcaps

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 aluminium 3m

Cover

18.096 frosted 3m

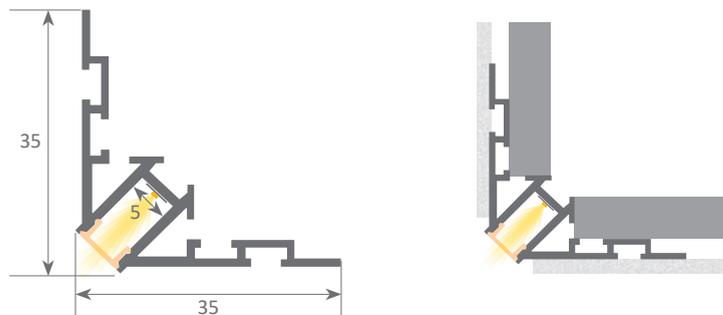
Plastic endcaps

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 aluminium 3m

Cover

18.096 frosted 3m

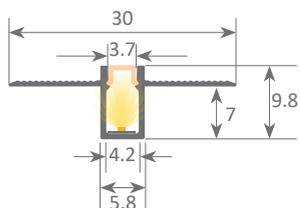
Plastic endcaps

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 aluminium 3m

Cover

18.098 frosted 3m

Plastic endcaps

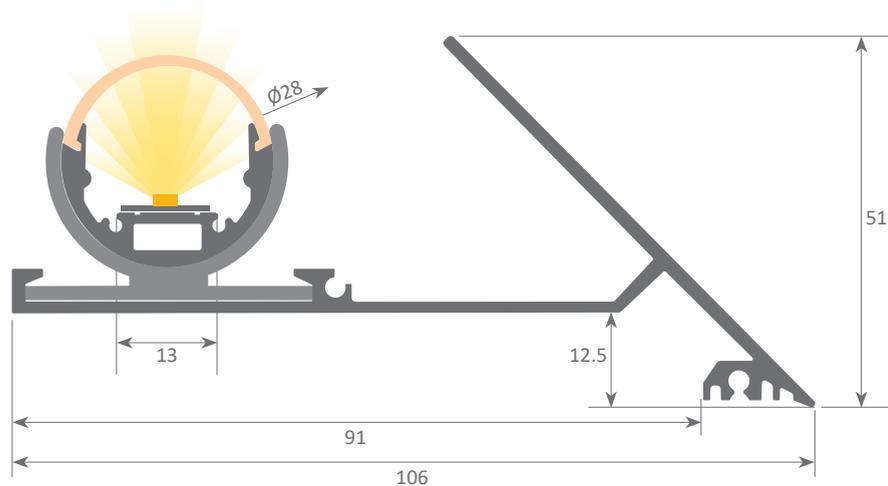
19.273 with hole

19.274 without hole

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.

Scale 1:1



Aluminium profile (Base)

08.016 aluminium 3m

Aluminium profile (Semicircular)

08.031 aluminium 3m

Cover

18.094 opal 3m

Methacrylate cover

18.099 30° lens 3m

18.104 60° lens 3m

18.107 wallwasher 3m

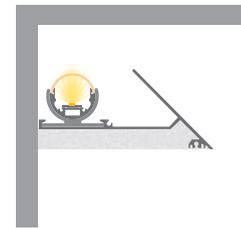
Plastic endcaps

19.265 with hole

19.266 without hole

Clip

20.054 transparent plastic



CARTAGO

Led profile made up of an internal aluminium 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 aluminium 3m

Cover

18.100 frosted 3m

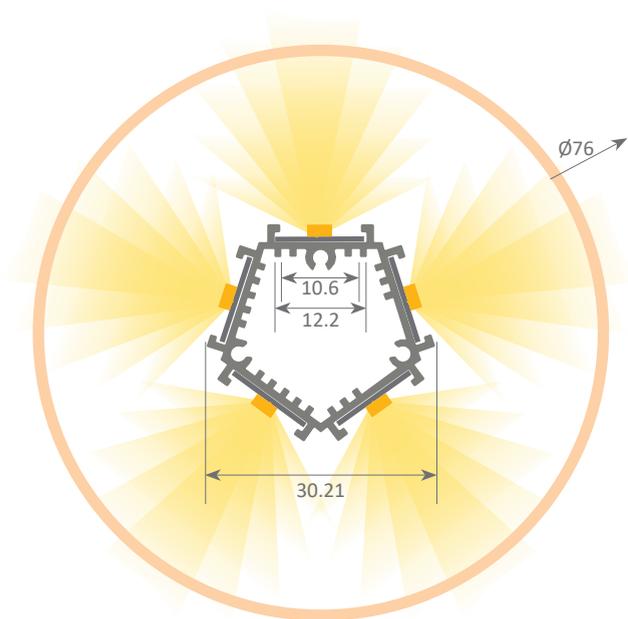
Plastic endcaps

19.277 without hole

Hanging kit

21.005 silver

Scale 1:1



NASAU

Aluminum profile + cover for perimeter lighting on facades, buildings or similar.

Aluminium profile

08.029 aluminium 3m

Polycarbonate cover

18.105 frosted 3m

Plastic endcaps

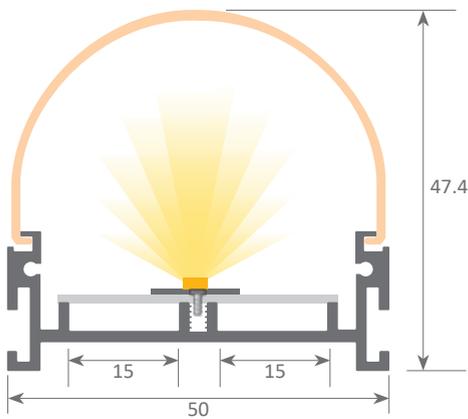
19.291 with hole

19.292 without hole

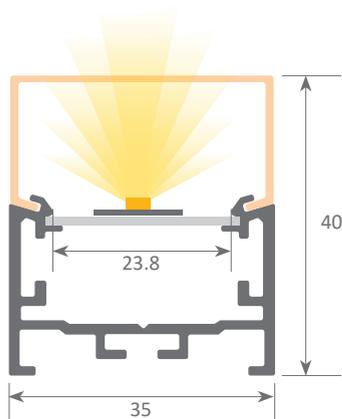
Clip

20.057 metal

Scale 1:1



Scale 1:1



MONTEVIDEO

Aluminum profile + cover for perimeter lighting on facades, buildings or similar.

Aluminium profile

08.030 aluminium 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



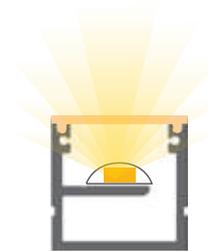
Torino
See page 60



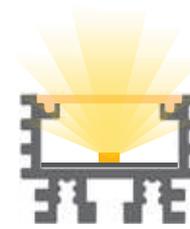
Paris
See page 94



Zagreb
See page 90



Versalles
See page 54



Inferno
See page 56



Sophia XL
See page 84

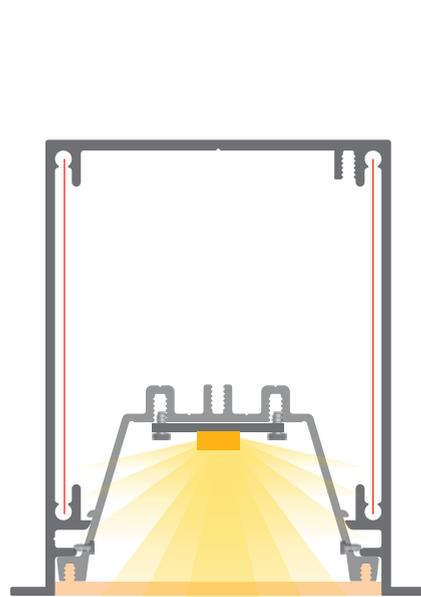
led profile sample display cases

Panels with Big profiles

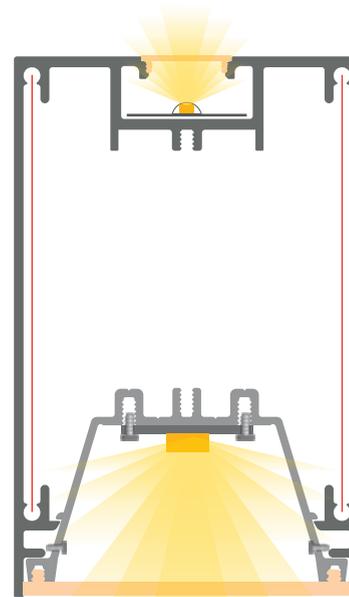
For our clients we have display panels available with our most popular big profiles (includes led lighting):

Ref: 22.063

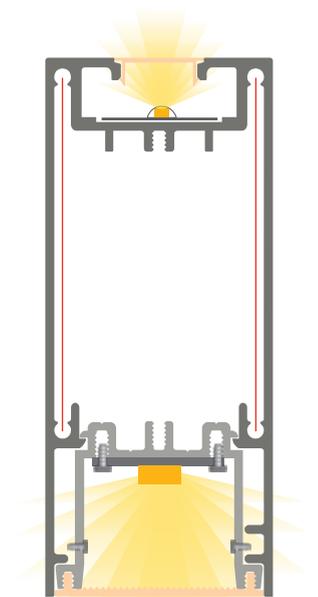
Panel measurements: 100x50cm



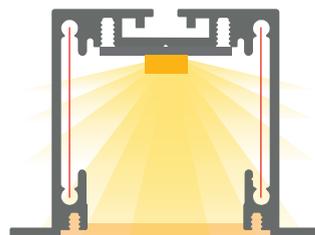
Moscú Magnum
See page 218



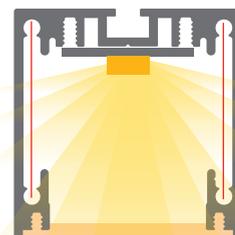
Múnich Magnum
See page 196



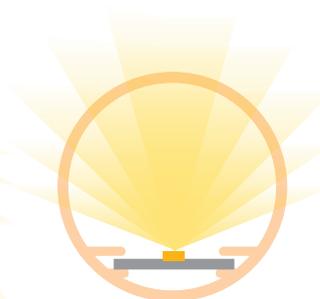
Múnich Magnum Slim
See page 194



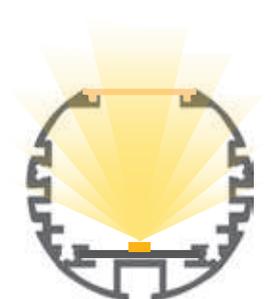
Moscú Mini
See page 214



Múnich Mini
See page 192



Oslo
See page 103



Paris XL
See page 100

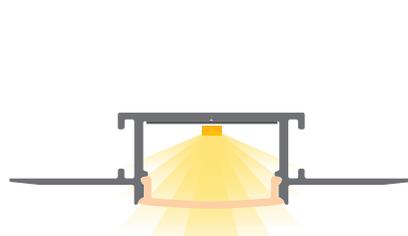
led profile sample display cases

Panels with architectural profiles

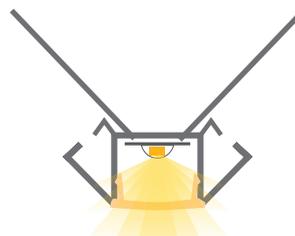
For our clients we have display panels available with our most popular architectural profiles (includes led lighting):

22.064

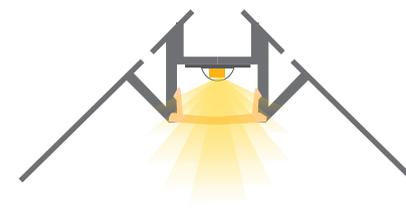
Panel measurements: 100x50cm



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

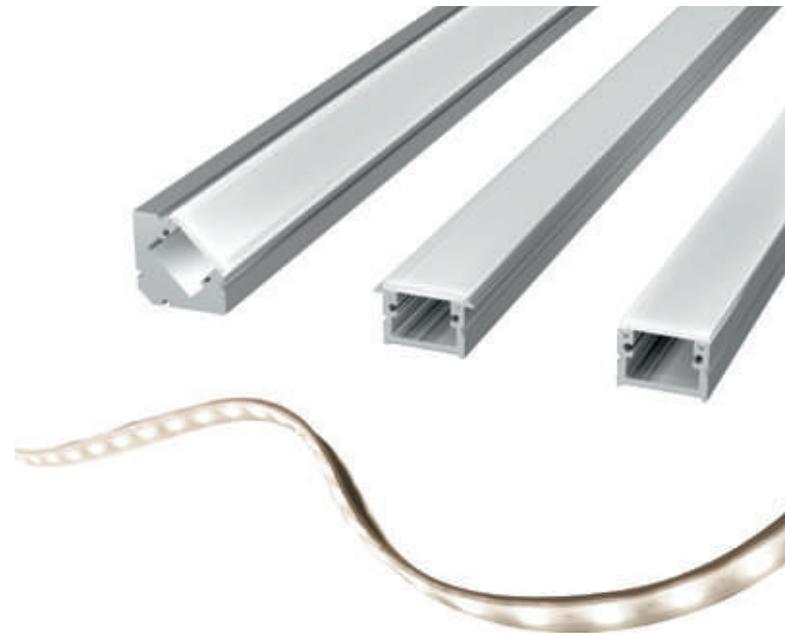
50cm length with Barcelona ecoled in neutral white, fixing clips, bluetouch dimmer switch and power supply.

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

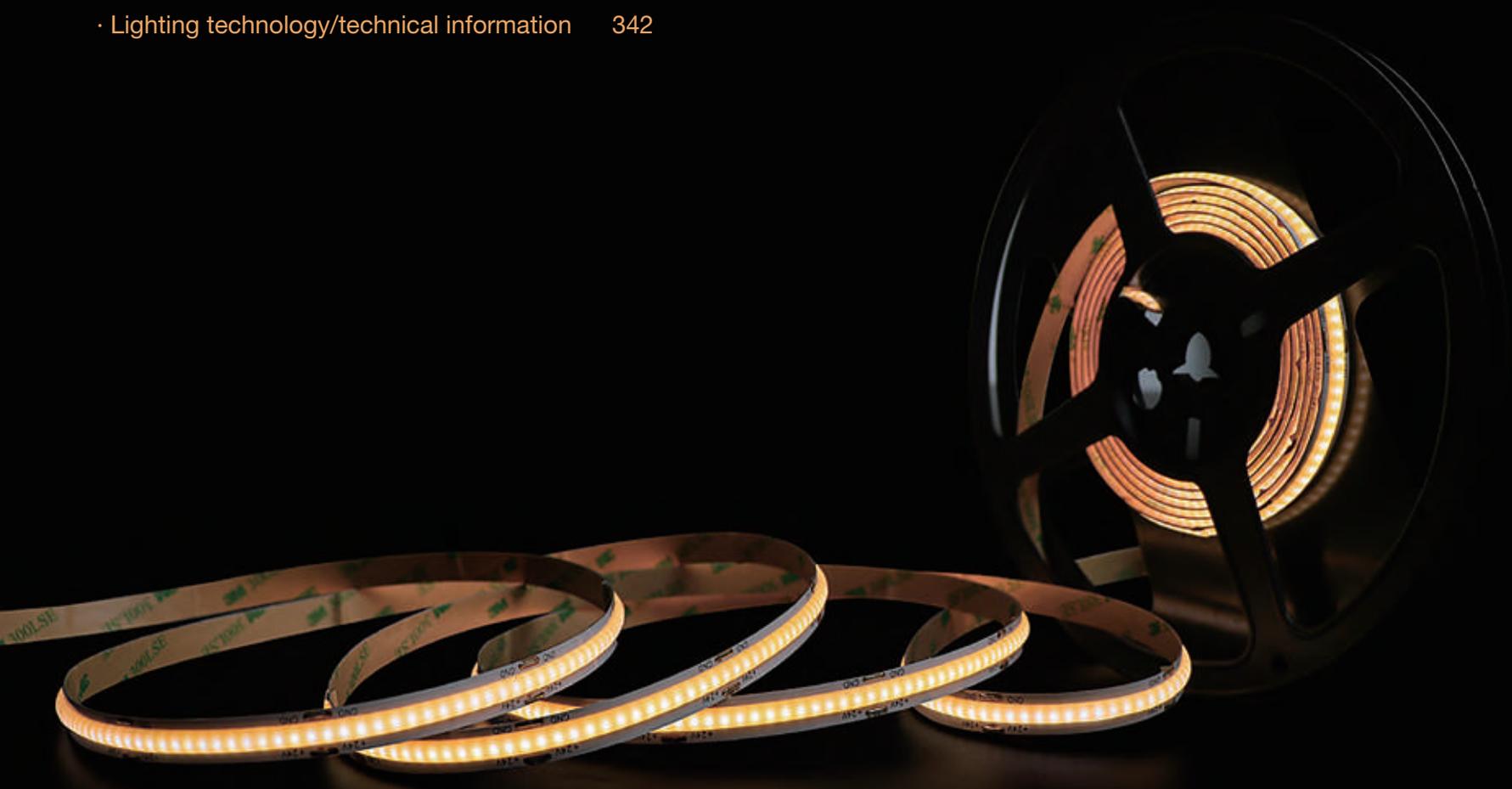
At Luz Negra we are specialists in linear lighting and we offer very high quality profiles and covers which we are sure will meet your expectations.

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.

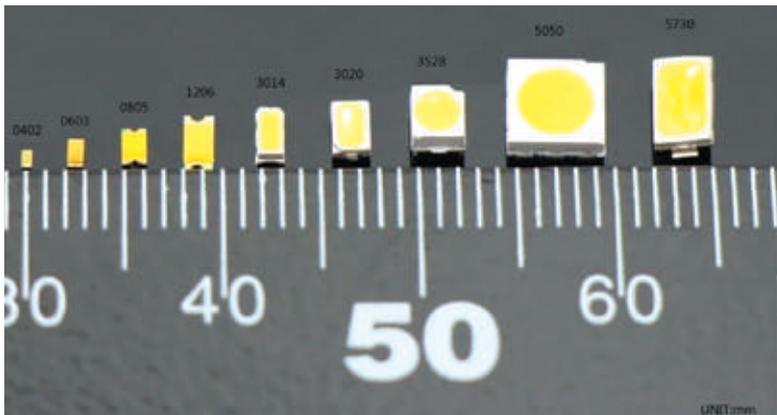
Voltage: 12V-24V.

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.

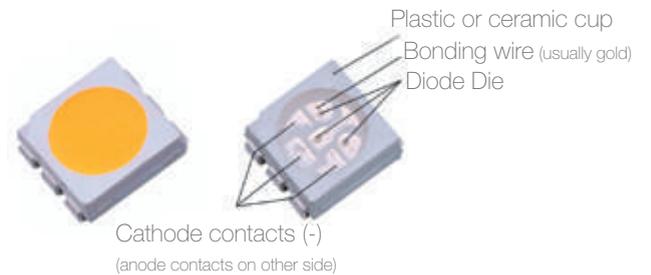
Other elements include **voltage stabiliser**, PCB with the company's logo or printed brand, thermal conductive tape, etc.



Manufacturing process for our flexible led strips

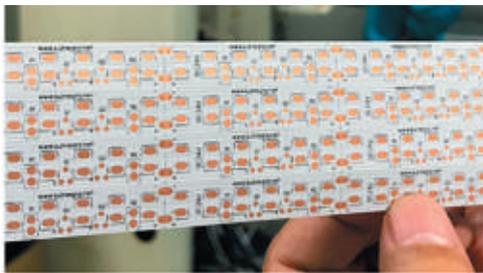


Surface Mounted Device led

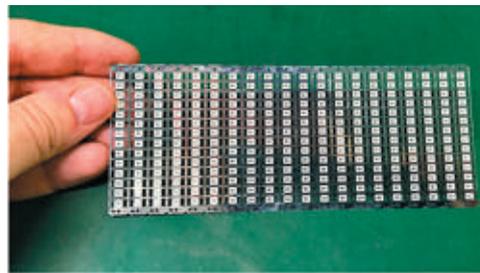


Although the majority of led strips look alike, what makes the difference is the way in which they are manufactured and their components and this is directly reflected in their luminosity, performance, stability, light loss and life span.

As follows, we highlight the basic steps which are taken in the manufacturing of our led strips:



PCB



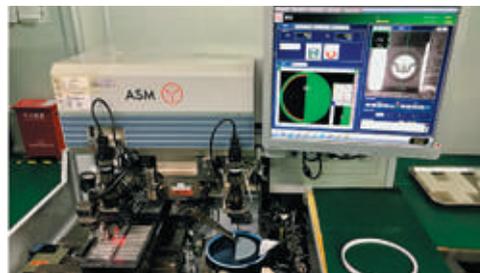
Diodes where the chips are mounted



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.

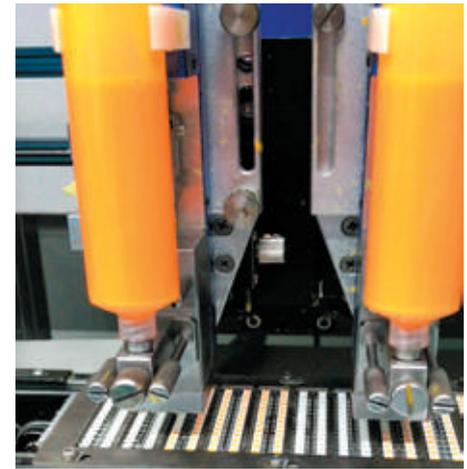


Machine soldering with gold wires

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.

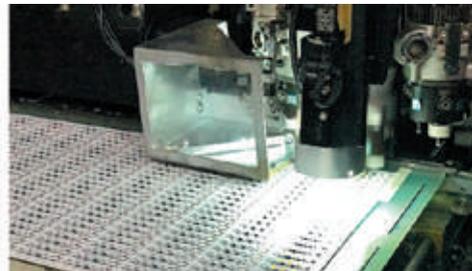
Phosphorus is the yellow layer which we can see in the white leds when they are turned off. If the colour is "lemon" yellow then it will mean cold white (approx 6000°K). If it is "orange-coloured" then it will mean warm white (approx 3000°K).



Machine placing phosphorus in the leds



Test 1x1 placing on reel



Machine "revolver" applying leds to the PCB

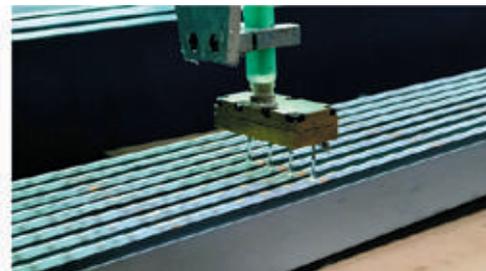


Drying oven for sealing soldered parts

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.

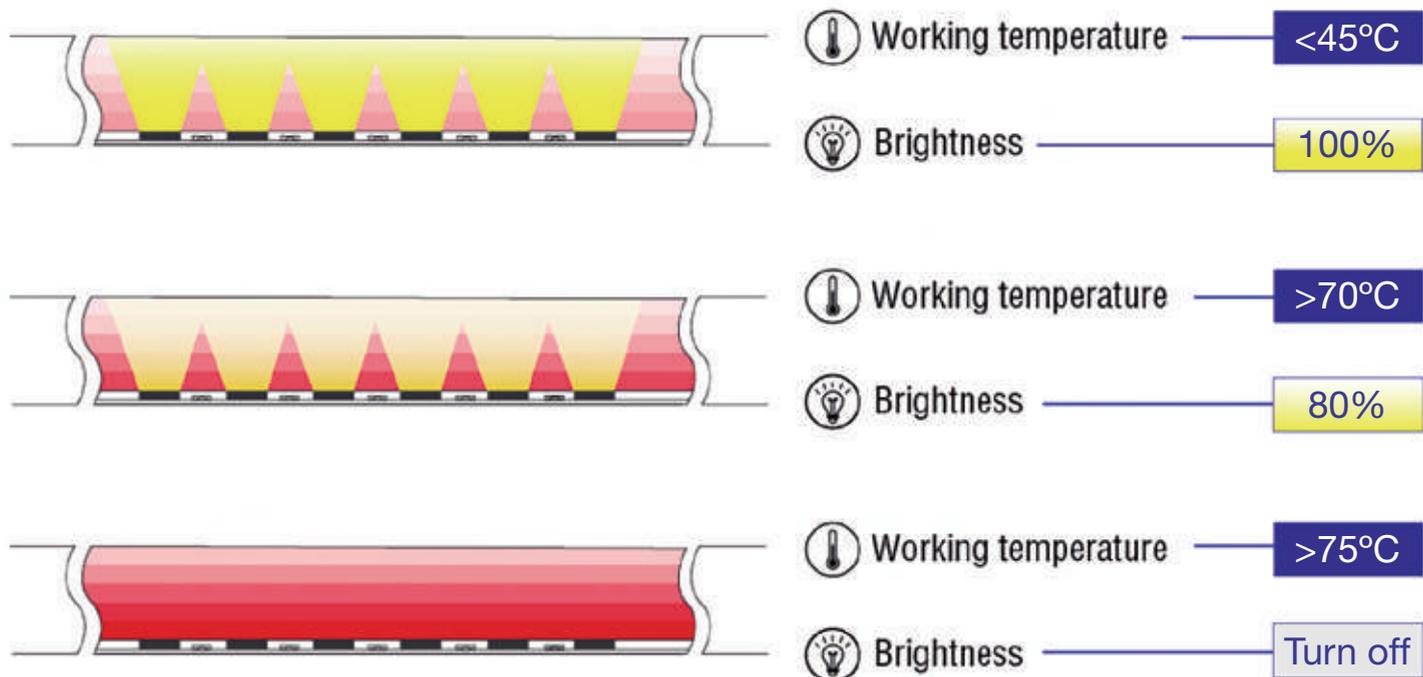
Flexible led strips with HEAT CONTROL by Luz Negra

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:

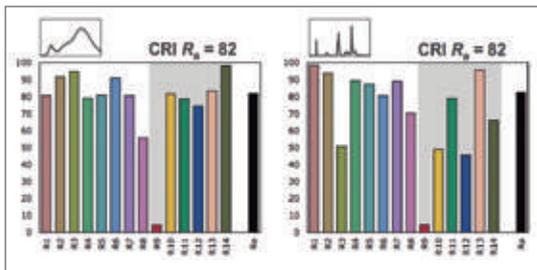
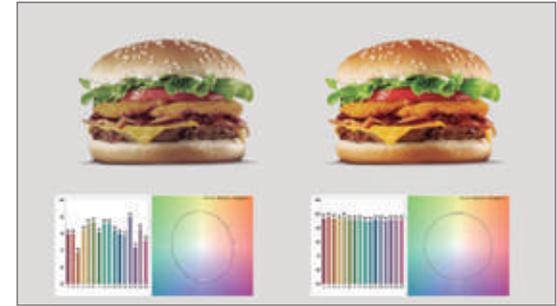
- Vizcaya
- Elite 5
- Elite 10
- Elite 15
- Elite 20
- Palma
- Tenerife
- Hierro
- Lanzarote
- Gomera



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).

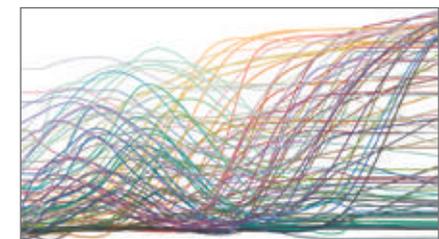
Therefore the TM-30-18 is a new standard which can tackle this problem. It has been proposed by leading organizations in USA, the IES (Illuminating Engineering Society) and the DOE (Department of Energy in USA). The TM-30-18 offers the Colour Fidelity Index (Rf) with the same quality scale up to 100, 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.

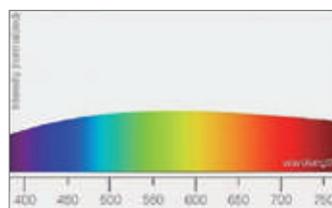
Our ecoled Full Colour strips, Sevilla model (see page 266), offer a luminous spectrum which is almost identical to sunlight, therefore achieving an excellent chromatic reproduction. Our laboratory (in our Barcelona installations) offers the most technologically advanced systems and with our spectroradiometer, 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.



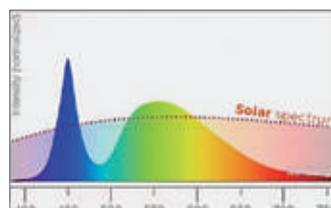
Spectrum, considering 15 values



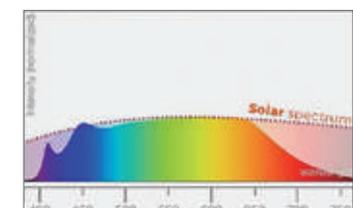
Spectrum, considering 99 values



Luminous spectrum with sunlight



Luminous spectrum with sunlight



Luminous spectrum with Sevilla ecoled

SPECIAL SERIES



PCB SLIM



SIDE LIGHTING



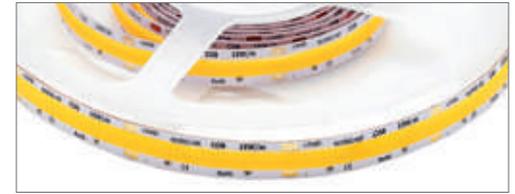
ZIG-ZAG



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	Cuttable	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	Cuttable	Connector
275	JADE	BASIC	6500 3500	4.8W/m	500 Lm / 6500K	IP20	60	8mm	50mm	42.069
275	RUBI PRO	BASIC	6000 2800	4.8W/m	438 Lm / 6000K	IP65	60	10mm	50mm	42.068
275	IBIZA PRO	PRO	6300 4000 2800	4.8W/m	441 Lm / 6300K	IP67 DUO	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	PRO SLIM	6000 4000 3000	10W/m	1358 Lm / 6000K	IP20	198	5mm	15 mm	42.069
283	MENORCA	PRO SIDE LIGHTING	5000 4000 2800	7.7W/m	600 Lm / 5500K	IP67 DUO	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	PRO "ZIG-ZAG"	6000 4400 3000	12W/m	1071 Lm / 6000K	IP54	60	6mm	50mm	42.069
287	ESMERALDA RGB	BASIC "RGB"	RGB	7.2W/m	221 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	13.8W/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	50mm	-
270	PINK 10	PINK "neon effect"	PINK	10W/m	200 Lm	IP20	120	5mm	25mm	42.069
294	COZUMEL RGB	DIGITAL	RGB	5W/m	112 Lm	IP20	30	10mm	33.2mm	-
293	HAWAI RGB	DIGITAL	RGB	9W/m	260 Lm	IP20	60	10mm	16.8mm	-
294	BALI	DIGITAL	7000 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 SAMSUNG	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 SAMSUNG	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 DUO	144	10mm	42mm	42.004
277	ZAFIRO PRO	BASIC	7800 4000 2800	15W/m	1203 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 SAMSUNG	6500 4000 3000 2700 2400 2100	15W/m	1770 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	PRO	6000 4000 2800	19.2W/m	11631 Lm / 6500°K	IP67 DUO	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 SAMSUNG	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 OSRAM	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 PRO ^{RGB}	PRO "RGB"	RGB	23W/m	1150 Lm / blanco	IP20	244	12mm	31.25mm	-
289	MARBELLA PRO ^{RGBW}	PRO "RGBW"	RGB + W 3000	19W/m	800 Lm / white	IP20	60	10mm	100mm	-
289	NERJA	PRO "DUAL" ^{ww-cw}	6500 3100	19.2W/m	1500 Lm / 6500°K-3100°K	IP20	120	10mm	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	IP65	192	10mm	41.6mm	42.068
291	ANTEQUERA	FOOD "vegetables"	6000	20W/m	2200 Lm / 6000°K	IP65	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	120	12mm	50mm	-

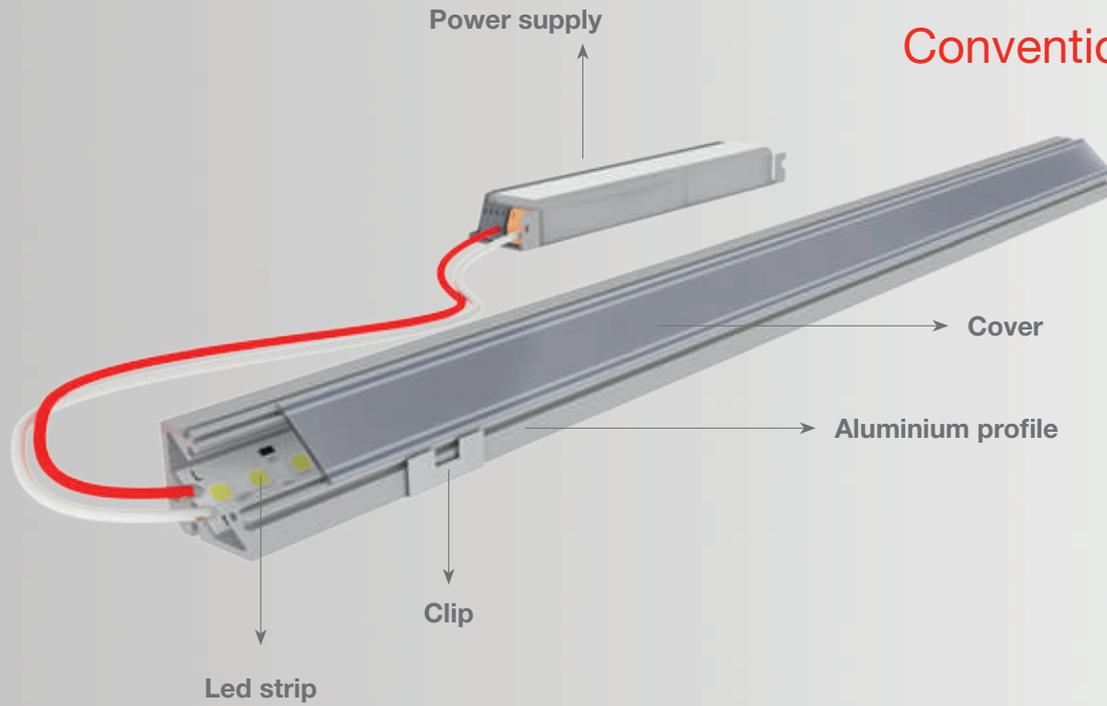
48V

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

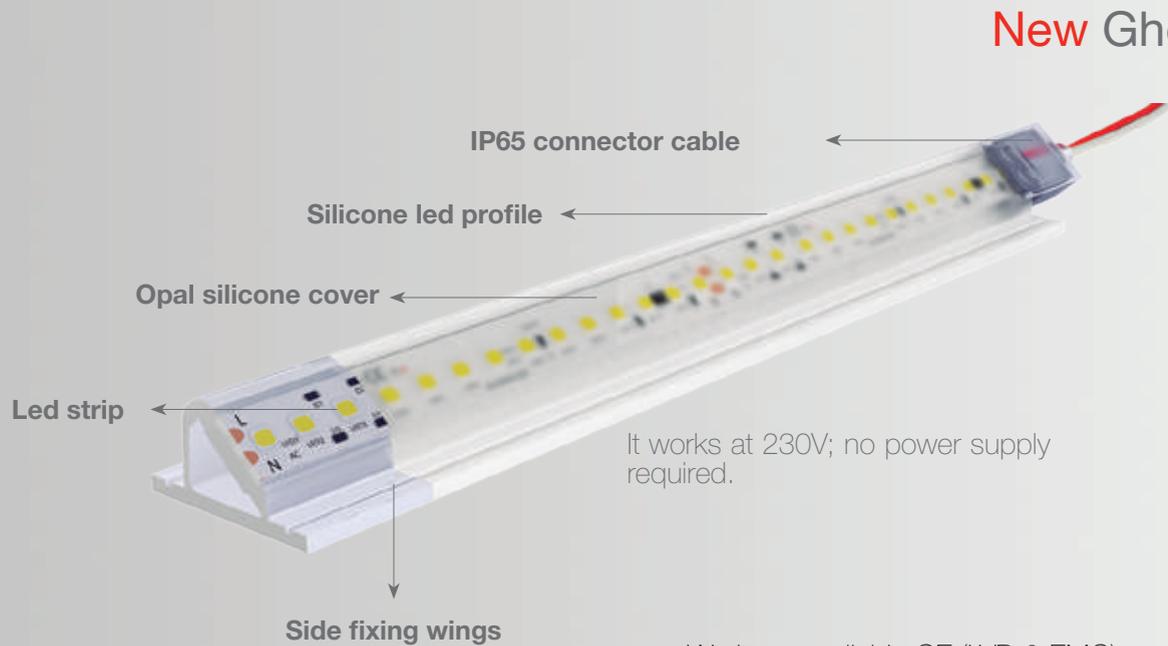
230V

Page	ecoled	Series	Colour (°Kelvin)	Power	Lumens (Lm/m)	IP	Leds/m	PCB width	Cutttable	Connector
262	INFINITY 14	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	34W/m	3750 Lm / 4000°K	IP67	280	26	50mm	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	24	100mm	42.004

COMPARATIVE



Conventional Profile kit

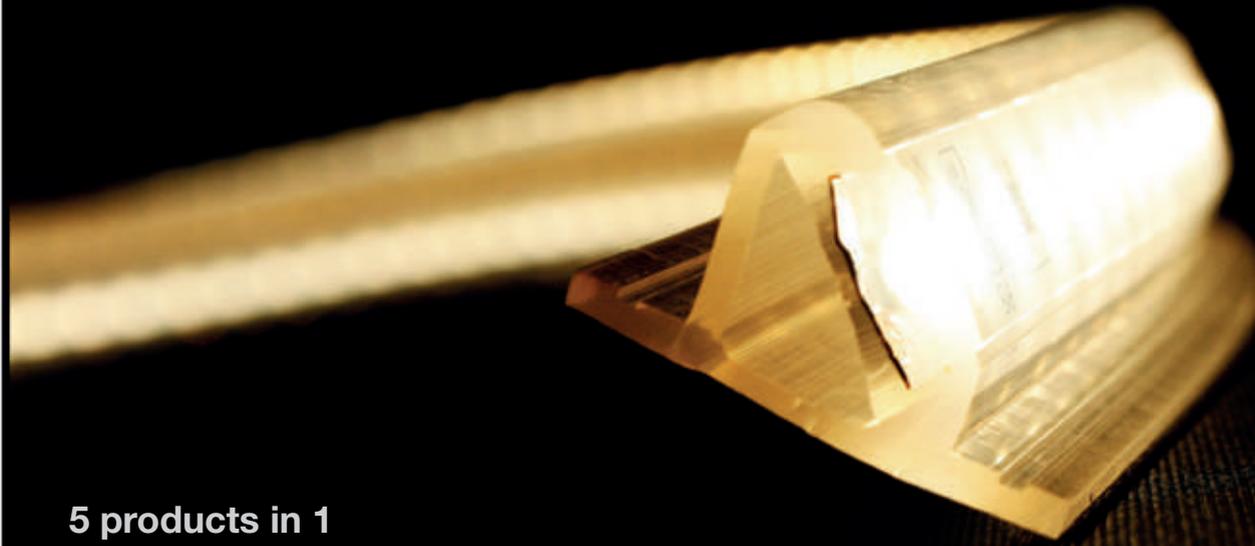


New Ghost Profiles

We have available CE (LVD & EMC) and RoHS certification

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.

MILANO GHOST PROFILE

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.

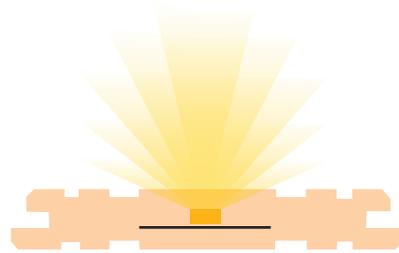
Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 and UV protection turn it into an ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

Supplied in 100m rolls, or cut to requested length (MOQ 1m).

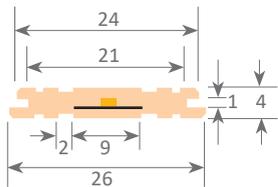
We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.



Scale 1:2



Scale 1:1



Power (W)	14W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Cutable	every 100mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years



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
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Cap with connector neck

19.251	transparent silicone
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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 5cm, consumption 34W/m, offering 3750 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).

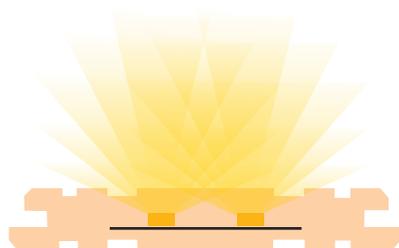
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

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.

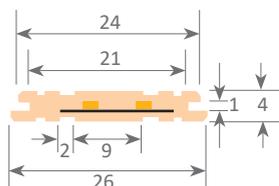
MILANO GHOST PROFILE DOUBLE



Scale 1:2



Scale 1:1



Power (W)	34W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	280
Cuttable	every 50mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years



Ghost profile Milano doble

34.009 white 4000°K 34W/m 3750 Lm
34.010 white 3000°K 34W/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



Closure endcaps

19.181 transparent silicone



Silicone

22.033 High quality dielectric silicone 100ml



AMSTERDAM GHOST PROFILE

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.

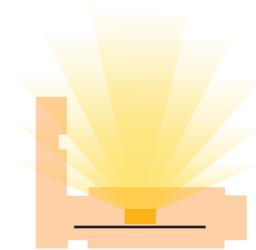
Thanks to its screwable connection kit, welding is not necessary. Its waterproofing of IP67 and UV protection turn it into an ideal product for outdoor use and also humid zones (it is extremely necessary to completely seal the connector and end cap with the recommended silicone).

Supplied in 100m rolls, or cut to requested length (MOQ 1m).

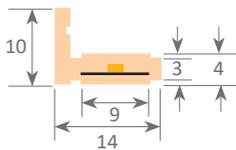
We offer a 2 year guarantee which can be extended to 3 years if the requested connections are carried out by Luz Negra. Spanish design and patent.



Scale 1:2



Scale 1:1



Power (W)	14W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Cutable	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
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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).

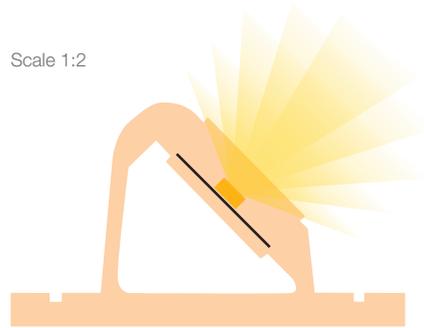
Supplied in 100m rolls, or cut to requested length (MOQ 1m).

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.

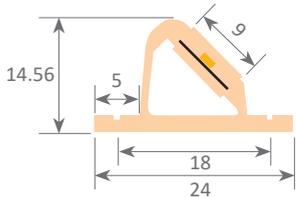
SOPHIA GHOST PROFILE



Scale 1:2



Scale 1:1



Power (W)	14W/m
Voltage (V)	230V
Light emission	120°
Waterproofing	IP67
N° leds/m	140
Cutable	every 100mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	by metre
Guarantee	3 years



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
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Closure endcaps

19.181	transparent silicone
--------	----------------------



Silicone

22.033	High quality dielectric silicone	100ml
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CHANGE

¿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 14



Ref: 34.001	6500°K
Ref: 34.002	4500°K
Ref: 34.003	3000°K
Ref: 34.004	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

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



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



Clip

- 20.041 silicone



Closure endcaps

- 19.181 transparent silicone



- Photometric curves available and files IES & LDT for DIALux and RELUX carried out in our laboratory under petition.

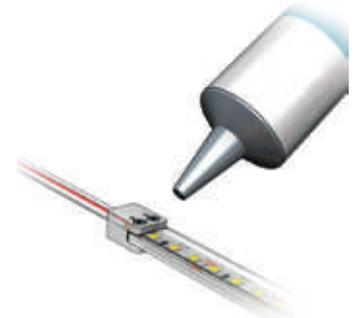
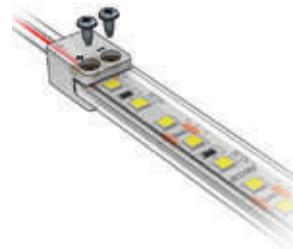
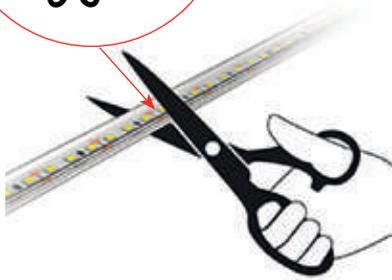
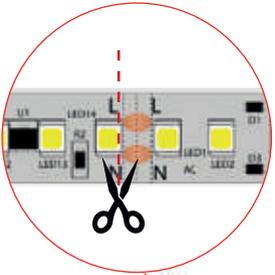


Connectors for waterproof strips (with screw system, no need for welding)

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)

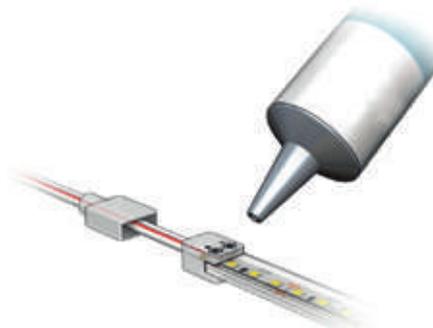
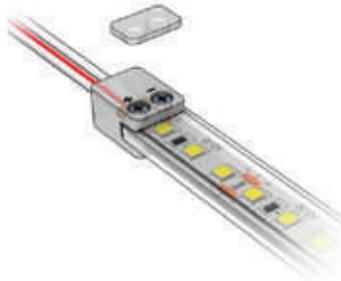


1. We cut the led strip where indicated.

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:

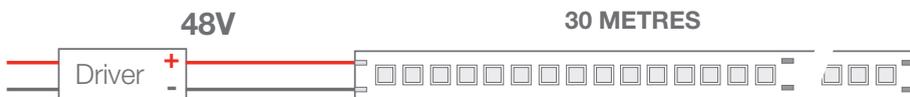
- INFINITY 14
- SOPHIA GHOST PROFILE
- MILANO GHOST PROFILE
- MILANO DOBLE GHOST PROFILE
- AMSTERDAM GHOST PROFILE
- IBIZA PRO
- ZAFIRO
- VIZCAYA
- CANOVELLES

This can be used with the majority of IP20 led strips with a 10mm PCB (single-coloured).

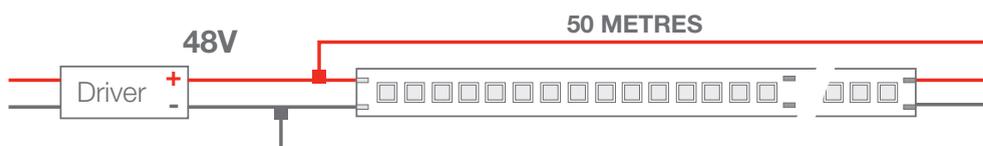
Connectors compatible with led Profile:

- 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

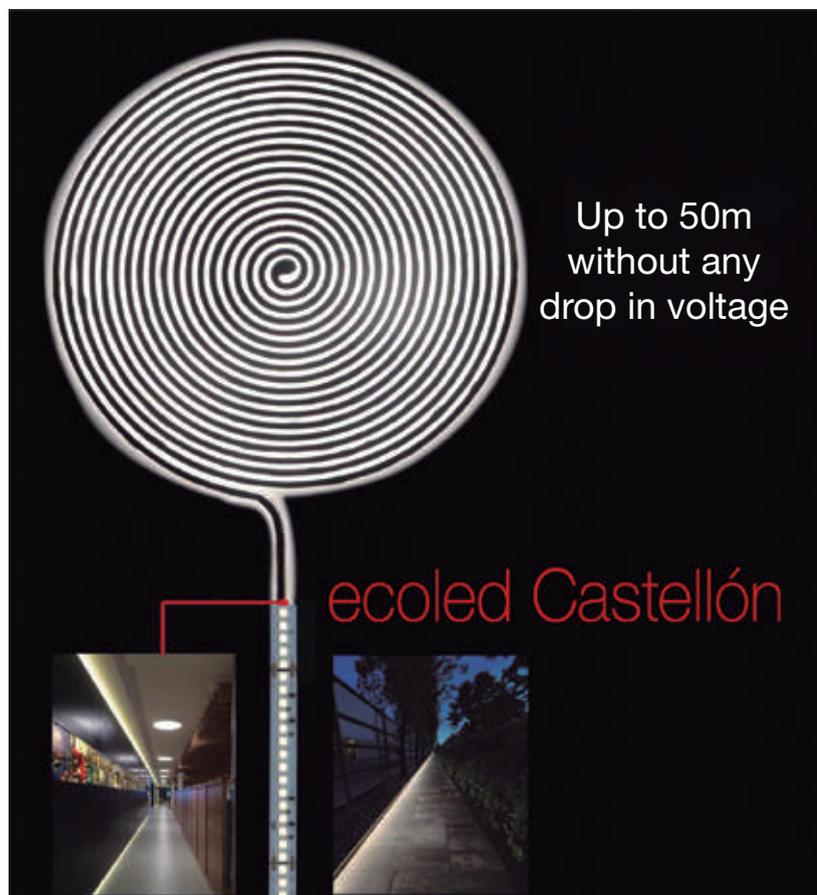


Ref: 33.036 6000°K
 Ref: 33.037 4000°K
 Ref: 33.038 2800°K

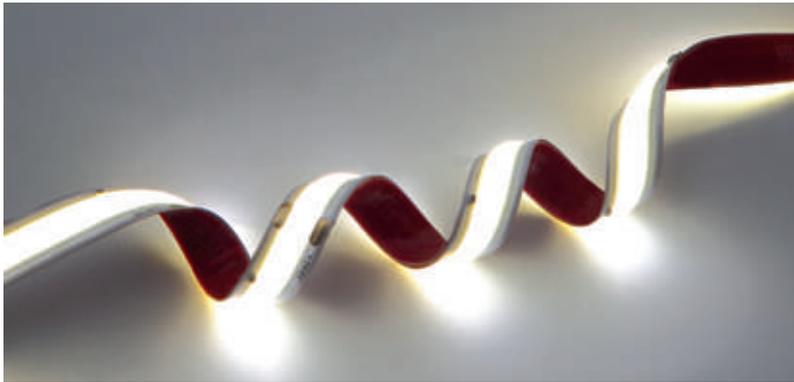
Single-coloured flexible strip "PRO"
 IP20 with 150 leds/metre 2835SMD.
 Requires use with led profile to permit dissipation.

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
N° leds/m	150
Measurements	10000x10x1.2mm
Cutable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/10m
Guarantee	3 years



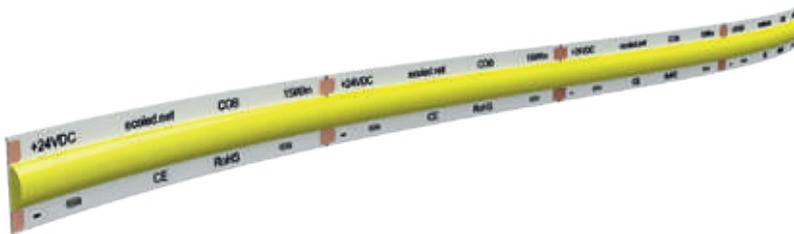
COB



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

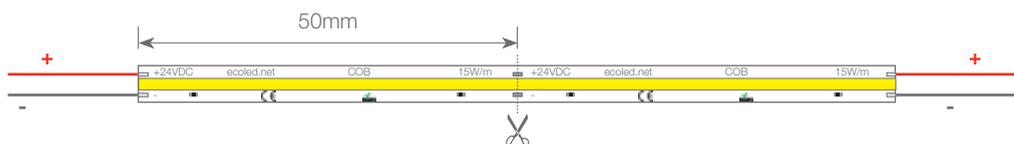
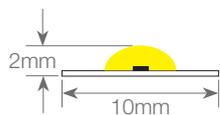


phosphorous

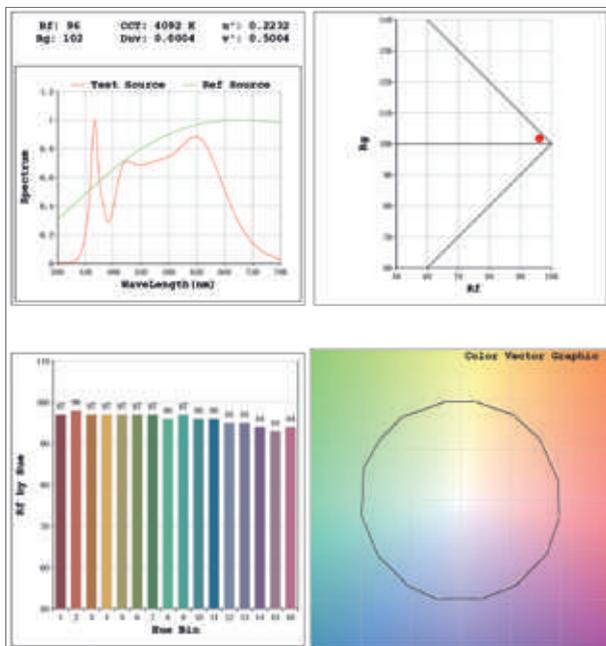
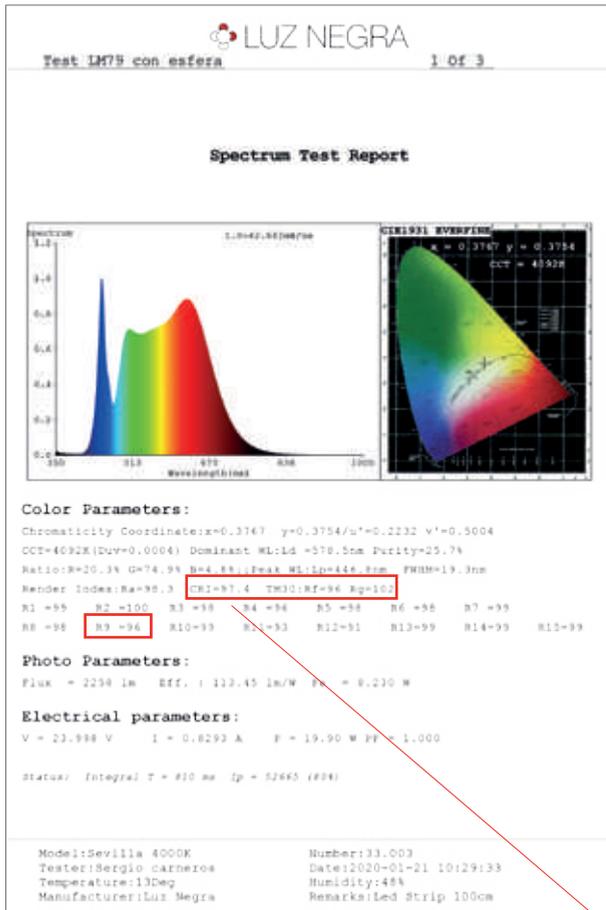
3M VHB adhesive thermal tape

PCB

iron strip



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
Cutable	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 4000°K
 Ref: 33.004 2700°K

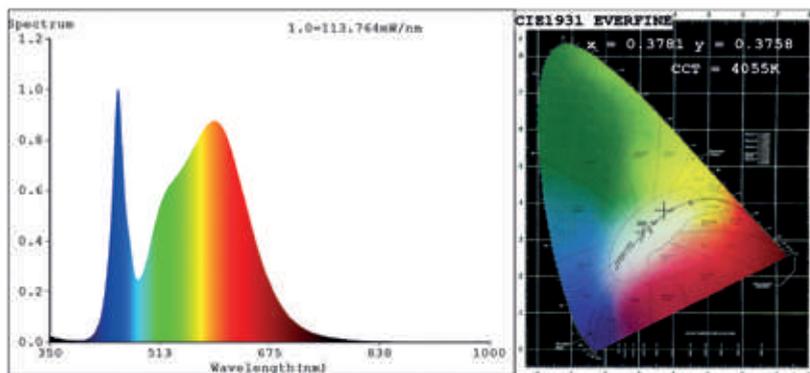
Single-coloured flexible strip **"PRO"**
 IP20 with 160 leds/metre 2835SMD.
 Requires use with led profile to permit dissipation.
10mm PCB
 Daily recommended use:18h
 Maximum connection in open circuit: 5m
 Maximum connection in closed circuit: 10m

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.

Spectrum Test Report



Color Parameters:

Chromaticity Coordinate: x=0.3781 y=0.3758/u'=0.2240 v'=0.5008
 CCT=4055K(Duv=0.0002) Dominant WL:Ld =578.7nm Purity=26.3%
 Ratio:R=18.0% G=78.5% B=3.5%;;Peak WL:Lp=450.8nm FWHM=21.6nm
 Rander Index:Ra=82.2 CRI=75.3 TM30:Rf=81 Rg=95
 R1 =80 R2 =88 R3 =94 R4 =81 R5 =80 R6 =84 R7 =86
 R8 =64 R9 =5 R10=72 R11=80 R12=61 R13=82 R14=97 R15=74

Photo Parameters:

Flux = **5732 lm** Eff. : 145.22 lm/W Fe = 17.46 W

Electrical parameters:

V = 23.998 V I = 1.645 A P = 39.47 W PF = 1.000

Status: Integral T = 250 ms Ip = 47757 (73%)

Model:Córdoba 4000K Number:33.001
 Tester:Sergio Carneros Date:2020-01-21 11:44:02
 Temperature:13Deg Humidity:48%
 Manufacturer:Luz Negra Remarks:Led Strip 100cm

CORDOBA HIGH LUMINOSITY



Ref: 33.001 4000°K
 Ref: 33.002 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...).

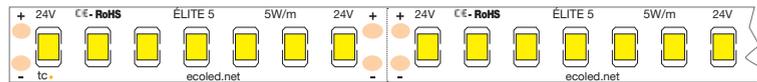
However our new ÉLITE series (with high quality SAMSUNG led) offers a brightness uniformity unseen so far on the market, where all the parameters remain the same even if power and luminosity vary.

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.

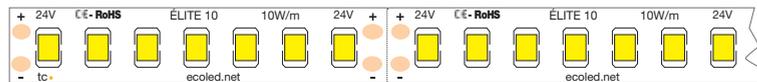
The ÉLITE 15 model is available also in the additional warm tones: 2100°K - 2400°K - 2700°K.

- 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

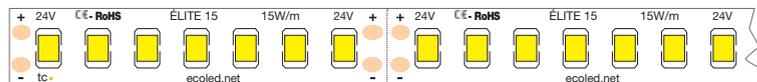
ÉLITE 5 5W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



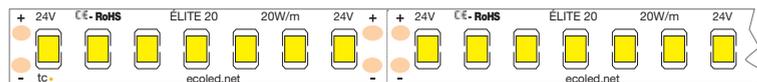
ÉLITE 10 10W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



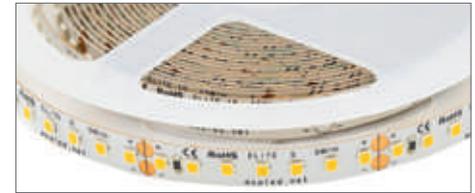
ÉLITE 15 15W Medium luminosity flexible strip, 24V. Can be cut every 7 leds.



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

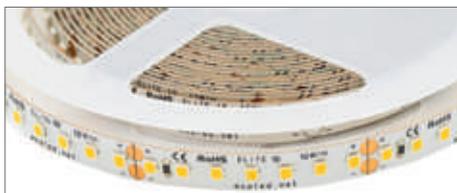
4

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.

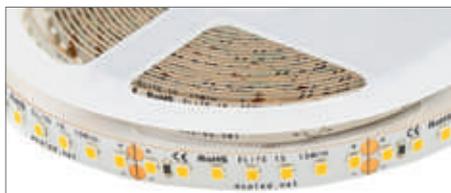
CRI >80.

Daily recommended use: 18h

Maximum connection in open circuit: 10m

Maximum connection in closed circuit: 18m

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.

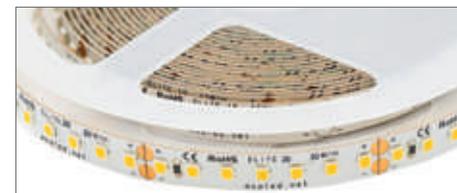
CRI >80.

Daily recommended use: 18h.

Maximum connection in open circuit: 8m

Maximum connection in closed circuit: 15m

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)	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

Power (W)	15W/m
Voltage (V)	24V
Led type	SMD2835
Lumens ^(6500°K)	1770 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

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

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



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

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)	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?

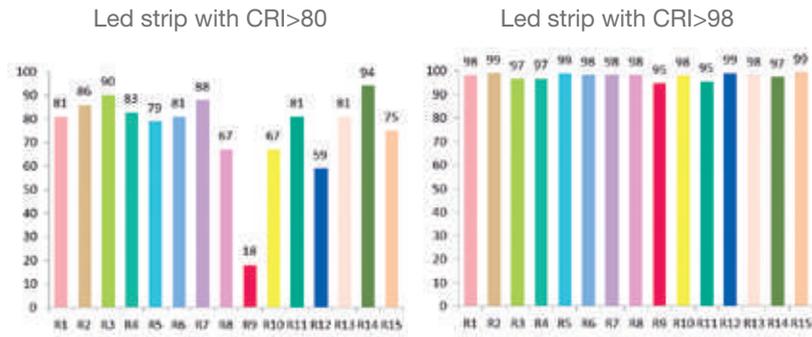
Most of the led strips currently available on the market have CRI (Colour Rendering Index) ratings ranged between 60 and 80. Our Premium Retail series offers CRI values placed between 90 and 95.

¿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.



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

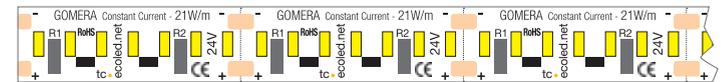


CRI 60

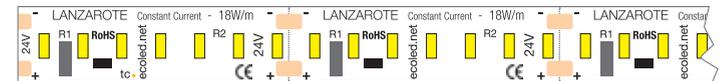
PREMIUM RETAIL Led strips



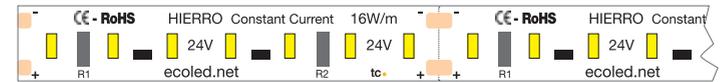
Colour values in high rated CRI led strips are also greater than those offered by regular strips. Amongst these colour values, "R9" significantly affects the overall results and it is considered the most important value. By using our spectroradiometer, which is also equipped with an integrated sphere, we can carry out readings for the different "R" values in order to ensure a high CRI rating.



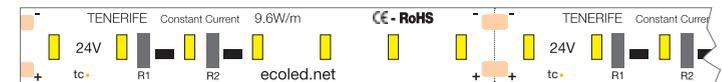
ecoled GOMERA. High luminosity flexible strip, current stabiliser, 24V, IP20, 10mm PCB. Can be cut every 7 leds.



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
Cutttable	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
Cutttable	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
N° 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
N° 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

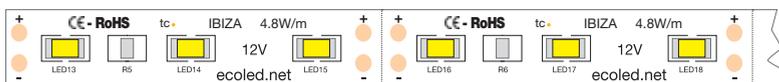
Maximum connection in closed circuit: 10m

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
N° 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



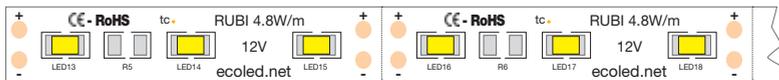
Low luminosity flexible strips which are ideal for ambience lighting or signage.

We would like to highlight the IBIZA PRO 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.



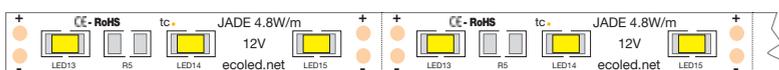
ecoled IBIZA PRO "PRO"

Low luminosity flexible strip, 12V, IP67 waterproof DUO. 10mm PCB. Can be cut every 3 leds.



ecoled RUBÍ PRO "BASIC"

Low luminosity flexible strip, 12V, IP65. 10mm PCB. Can be cut every 3 leds.

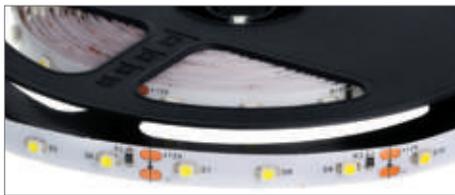


ecoled JADE "BASIC"

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 ^(6500°K)	500 Lm/m
Lumens ^(3500°K)	400 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	60
Measurements	5000x8x3mm
Cutttable	every 50mm
PCB	8mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	2 years

RUBÍ PRO



Ref: 30.087 6000°K
Ref: 30.088 2800°K
Ref: 30.089 Blue
Ref: 30.090 Red
Ref: 30.091 Green
Ref: 30.092 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 ^(6000°K)	438 Lm/m
Lumens ^(2800°K)	377 Lm/m
Lumens ^(Blue)	61 Lm/m
Lumens ^(Red)	46 Lm/m
Lumens ^(Green)	240 Lm/m
Lumens ^(Amber)	53 Lm/m
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cutttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

IBIZA PRO

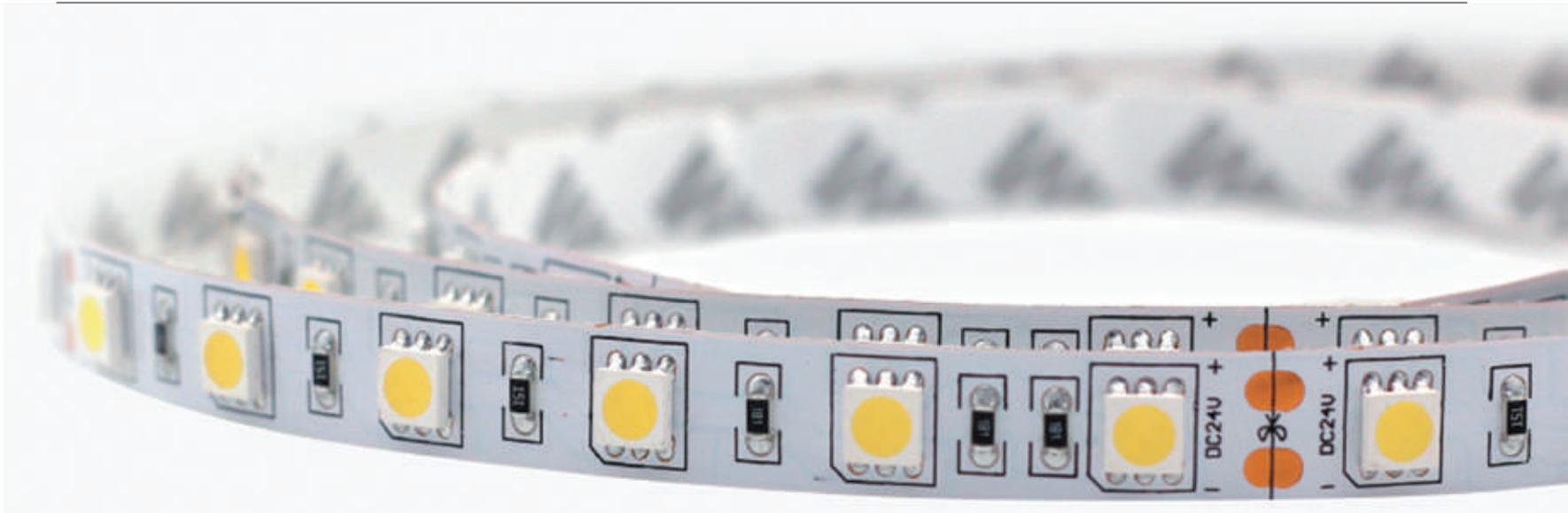


REF: 30.094 6300°K
REF: 30.095 4000°K
REF: 30.096 2800°K

Single-coloured flexible strip **Waterproof DUO**
PRO IP67 with 60 leds/metre 3528SMD.
10mm PCB.

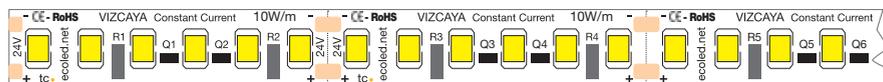
Daily recommended use: 18h
Maximum connection in open circuit: 10m
Maximum connection in closed circuit: 20m

Power (W)	4.8W/m
Voltage (V)	12V
Led type	SMD3528
Lumens ^(6300°K)	441 Lm/m
Lumens ^(4000°K)	424 Lm/m
Lumens ^(2700°K)	417 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
N° leds/m	60
Measurements	5000x10x4mm
Cutttable	every 50mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years



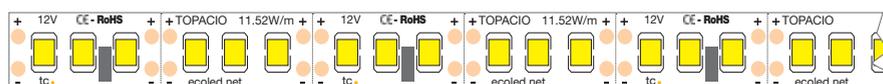
Medium luminosity flexible strips, which are ideal for ambience lighting or for using with furniture, shelving, cornices, etc. We can achieve a good dot free effect with led profiles with medium and large depths, such as our Roma and Berlin models, or similar.

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.



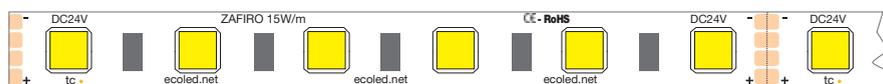
ecoled VIZCAYA "PRO"

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 PRO "BASIC"

Medium luminosity flexible strip, 24V, IP65. 10mm PCB. Can be cut every 6 leds.



ZAFIRO PRO



Ref: 31.094 7800°K
 Ref: 31.095 4000°K
 Ref: 31.096 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 ^(7800°K)	1203 Lm/m
Lumens ^(4000°K)	1477 Lm/m
Lumens ^(2800°K)	1103 Lm/m
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cutttable	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 ^(6000°K)	864 Lm/m
Lumens ^(2800°K)	682 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	144
Measurements	5000x10x4mm
Cutttable	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

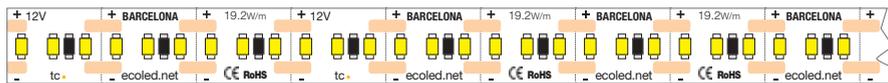
Single-coloured flexible strip **PRO Waterproof**
DUO IP67 with 144 leds/metre 3528SMD.
 Requires use with led profile to permit dissipation.
10mm PCB.

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 ^(6500°K)	1100 Lm/m
Lumens ^(4000°K)	980 Lm/m
Lumens ^(3000°K)	960 Lm/m
Lumens ^(2800°K)	910 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
N° leds/m	144
Measurements	5000x10x4mm
Cutttable	every 42mm
PCB	10mm
Working temperature	-20°C / +40°C
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	3 years

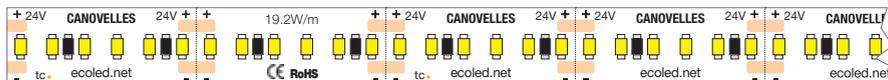


High luminosity flexible strip with a high density of leds which permits a dot free effect in the opal or frosted cover, even when we use the shallower led profiles, Milano, Frankfurt or similar.



ecoled BARCELONA "PRO"

High luminosity flexible led strip, 12V, IP20, 10mm PCB. It can be cut every 3 leds.



ecoled CANOVELLES PRO "PRO"

High luminosity flexible led strip, 24V, IP67 waterproof DUO, 10mm PCB. It can be cut every 6 leds.



BARCELONA

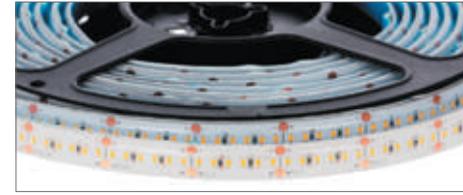


Ref: 32.001 6500°K
 Ref: 32.002 4000°K
 Ref: 32.003 3000°K

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
N° 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

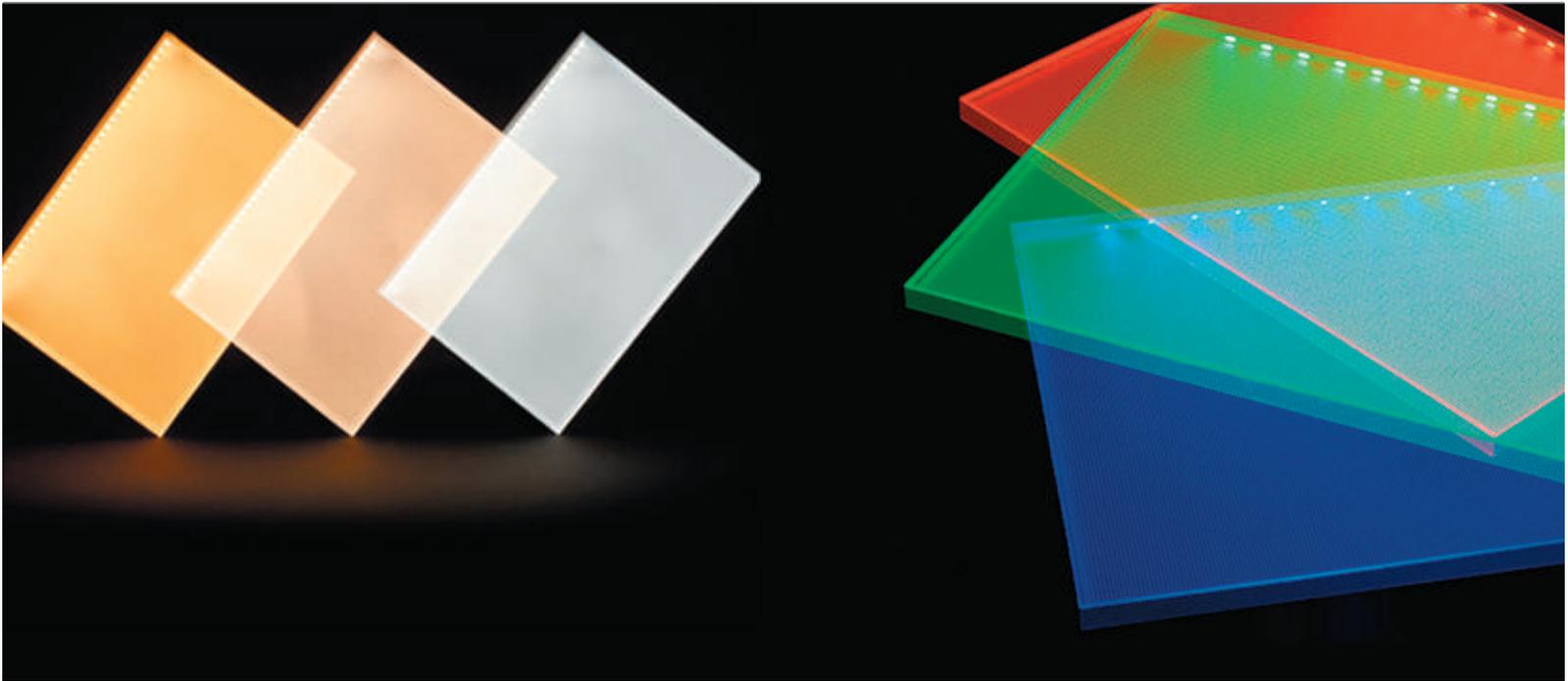
CANOVELLES PRO



Ref: 33.188 6000°K
 Ref: 33.189 4000°K
 Ref: 33.189 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)	1631 Lm/m
Lumens ^(4000°K)	1747 Lm/m
Lumens ^(2800°K)	1777 Lm/m
Light emission	120°
Waterproofing	IP67 "DUO"
N° 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



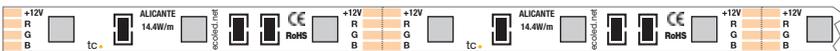
Flexible strips with widths of only 4-5-6mm. These are specially indicated for illuminating the sides of optic methacrylate Dotting. These are used in the manufacturing of luminous signs, extra thin luminaires, ceiling panels and in general commercial lighting and furniture. They are also highly recommended 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.

ecoled GRANADA "PRO"
OSRAM
LED



Medium luminosity flexible led strip, RGB, 12V, IP20, 6mm PCB. It can be cut every 3 leds.

ecoled ALICANTE RGB "PRO"



Medium luminosity flexible led strip, 12V, IP20, 5mm PCB. It can be cut every 3 leds.

ecoled CIES PRO



CIES PRO



Ref: 32.086	6000°K
Ref: 32.087	4000°K
Ref: 32.088	3000°K
Ref: 32.089	Red
Ref: 32.090	Green
Ref: 32.085	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)	1358 Lm/m
Lumens (4000°K)	1410 Lm/m
Lumens (3000°K)	1315 Lm/m
Lumens (Rojo)	123 Lm/m
Lumens (Verde)	842 Lm/m
Lumens (Azul)	226 Lm/m
Light emission	120°
Waterproofing	IP20
N° 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
N° 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

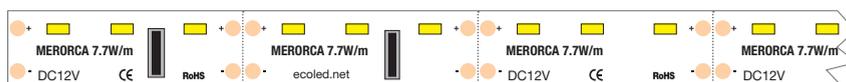
Power (W)	21W/m
Voltage (V)	24V
Led type	SMD2835
Lumens (6500°K)	3150 Lm/m
Lumens (4000°K)	3000 Lm/m
Lumens (2700°K)	2850 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	128
Measurements	5000x5x1.1mm
Cuttable	every 62.5mm (8 leds)
PCB	5mm
Working temperature	-20°C / +40°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years



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.



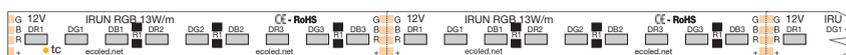
ecoled MENORCA “PRO”

Medium luminosity flexible led strip, 12V, IP67 waterproof DUO, 5mm PCB. It can be cut every 3 leds.



ecoled GETAFE “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 IRÚN RGB “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.



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

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

IRÚN^{RGB}



Ref: 32.017 RGB

RGB flexible led strip “PRO”
 IP20 with 180 leds/metre 3014SMD.
 Requires use with led profile to permit dissipation.

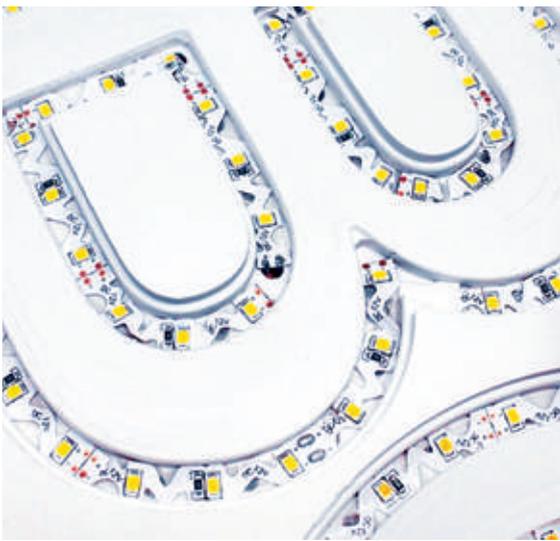
Side lighting flexible led strip.
6mm PCB.

Daily recommended use: 18h
 Maximum connection in open circuit: 4m
 Maximum connection in closed circuit: 8m

Power (W)	7.7W/m
Voltage (V)	12V
Led type	SMD3014
Lumens ^(5500°K)	600 Lm/m
Lumens ^(4000°K)	550 Lm/m
Lumens ^(2800°K)	500 Lm/m
Light emission	120°
Waterproofing	IP67 “DUO”
N° 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

Power (W)	10W/m
Voltage (V)	12V
Led type	SMD3014
Lumens ^(6000°K)	953 Lm/m
Lumens ^(4000°K)	946 Lm/m
Lumens ^(2800°K)	940 Lm/m
Light emission	120°
Waterproofing	IP20
N° 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

Power (W)	13.8W/m
Voltage (V)	12V
Led type	SMD3014
Lumens ^(white)	400 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	180
Measurements	5000x6x1.6mm
Cutable	every 50mm ^(9 leds)
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.



ecoled ÁVILA PRO

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 JEREZ RGB “PRO”

Medium luminosity flexible RGB led strip with PCB in ZIG ZAG, 12V, IP20, 8.5mm PCB. It can be cut every 3 leds.

ÁVILA PRO



Ref: 32.075	6000°K
Ref: 32.076	4400°K
Ref: 32.077	3000°K
Ref: 32.078	Blue
Ref: 32.079	Amber
Ref: 32.080	Red
Ref: 32.081	Green

Single-coloured flexible led strip "**PRO**"
IP20 **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 ^(6000°K)	1071 Lm/m
Lumens ^(4400°K)	1010 Lm/m
Lumens ^(3000°K)	945 Lm/m
Light emission	120°
Waterproofing	IP20
N° 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

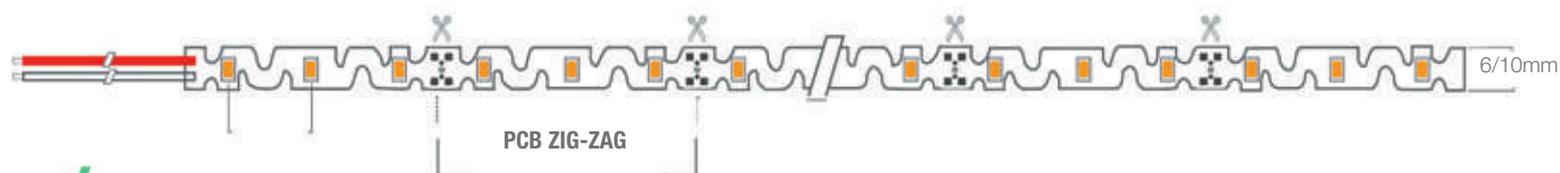
JEREZ RGB

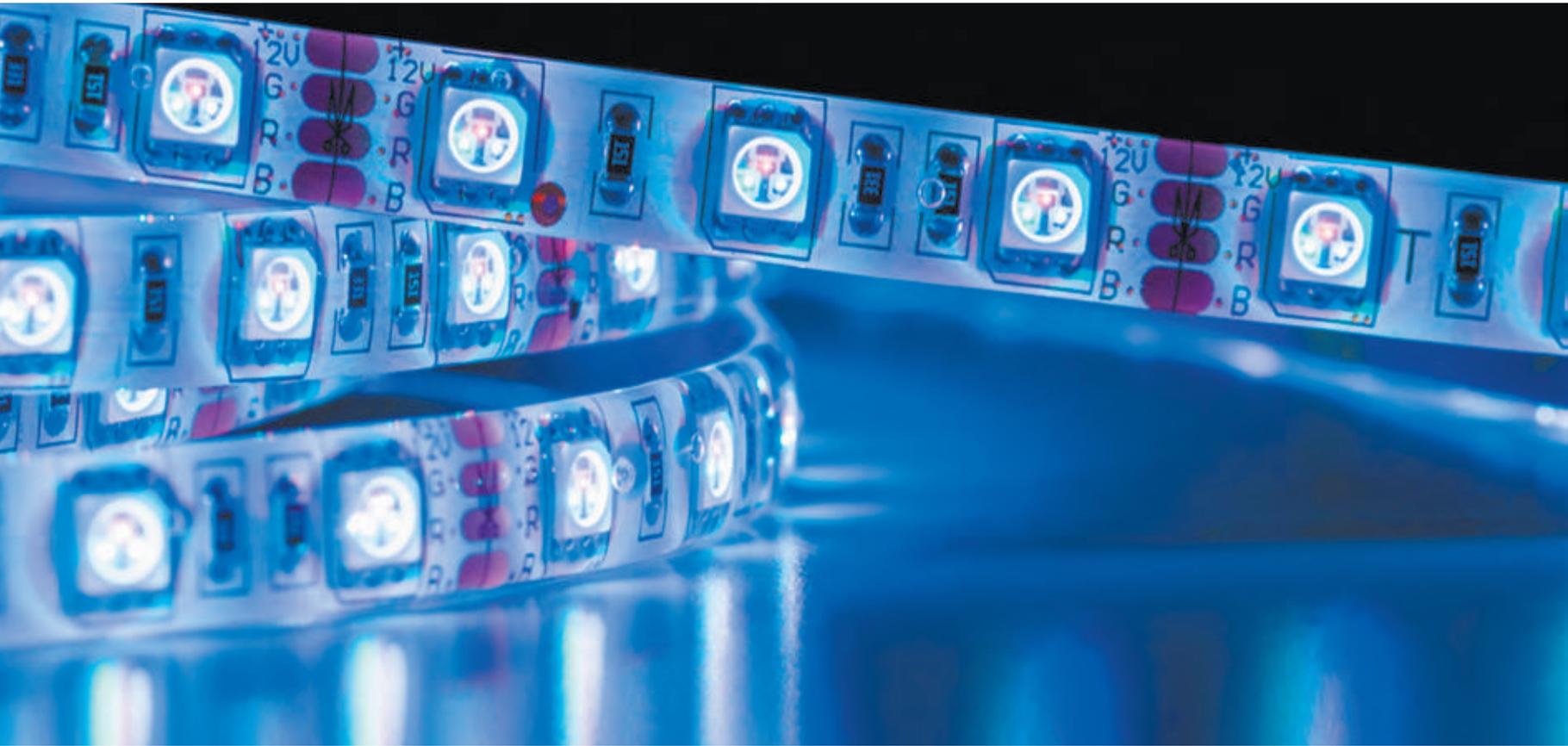


Ref: 32.028 RGB

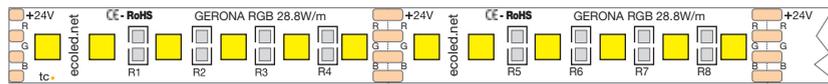
RGB flexible strip PRO
IP20 with 48 leds/metre 5050SMD.
Requires use with led profile to permit dissipation.
Heat dissipation tape included.
10mm PCB.
Daily recommended use: 18h
Maximum connection in open circuit: 3.5m
Maximum connection in closed circuit: 7m

Power (W)	11.52W/m
Voltage (V)	12V
Led type	SMD5050
Lumens ^(white)	400 Lm/m
Light emission	120°
Waterproofing	IP20
N° 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



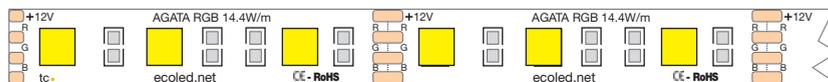


RGB flexible led strips (with 3 chips in the same diode). We can control the colour by means of a controller or sequencer. All the leds in the RGB flexible led strip display the same colour at the same time.



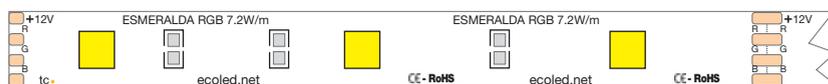
Very high luminosity RGB flexible led strip, 24V, IP20, 12mm PCB. It can be cut every 6 leds.

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"

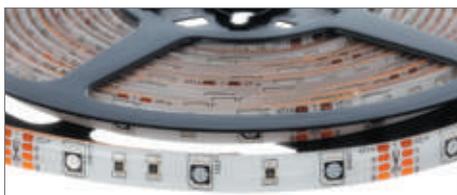


Low luminosity RGB flexible led strip, 12V, IP65, 10mm PCB. It can be cut every 3 leds.

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

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

GERONA PRO RGB



Ref: 33.194

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

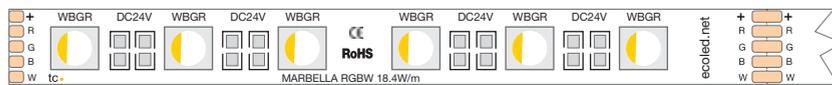
Maximum connection in closed circuit: 8m

Power (W)	7.2W/m
Voltage (V)	12V
Led type	SMD5050
Lumens ^(white)	221 Lm/m
Light emission	120°
Waterproofing	IP65
N° leds/m	30
Measurements	5000x10x4mm
Cutable	every 100mm
PCB	10mm
Working temperature	-20°C / +40°C
Sequencer	not included
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

Power (W)	14.4W/m
Voltage (V)	12V
Led type	SMD5050
Lumens ^(white)	350 Lm/m
Light emission	120°
Waterproofing	IP65
N° leds/m	60
Measurements	5000x10x4mm
Cutable	every 50mm
PCB	10mm
Working temperature	-20°C / +45°C
Sequencer	not included
Apt for	indoor / outdoor
Packaging	1 roll/5m
Guarantee	2 years

Power (W)	23W/m
Voltage (V)	24V
Led type	SMD3535
Lumens ^(white)	1150 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	224
Measurements	5000x12x3mm
Cutable	every 31,25mm
PCB	12mm
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.



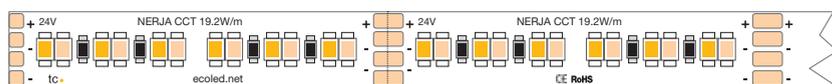
Very high luminosity RGB+W flexible led strip, 24V, IP20, 10mm PCB. It can be cut every 6 leds.

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, 10mm PCB. It can be cut every 6 leds.

ecoled NERJA CCT "PRO"



MARBELLA PRO RGBW



Ref: 33.192

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)	19W/m
Voltage (V)	24V
Led type	SMD5050
Lumens (RGBW)	800 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	60
Measurements	5000x12x1.8mm
Cutttable	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 3528SMD.

Requires use with led profile to permit dissipation.

Heat dissipation tape included.**Allows colour change (cool white, neutral and warm white).****10mm 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	SMD3528
Lumens (3100°K - 6500°K)	1500 Lm/m
Light emission	120°
Waterproofing	IP20
N° leds/m	120
Measurements	5000x10x1.9mm
Cutttable	every 50mm
PCB	10mm
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 ^(2100°K)	1600 Lm/m
Light emission	120°
Waterproofing	IP54
CRI	Ra>85
N° 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”
IP65 **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 ^(2500°K)	1800 Lm/m
Light emission	120°
Waterproofing	IP65
CRI	Ra>90
N° 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”
IP65 **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 ^(6000°K)	2200 Lm/m
Light emission	120°
Waterproofing	IP65
CRI	Ra>90
N° 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.

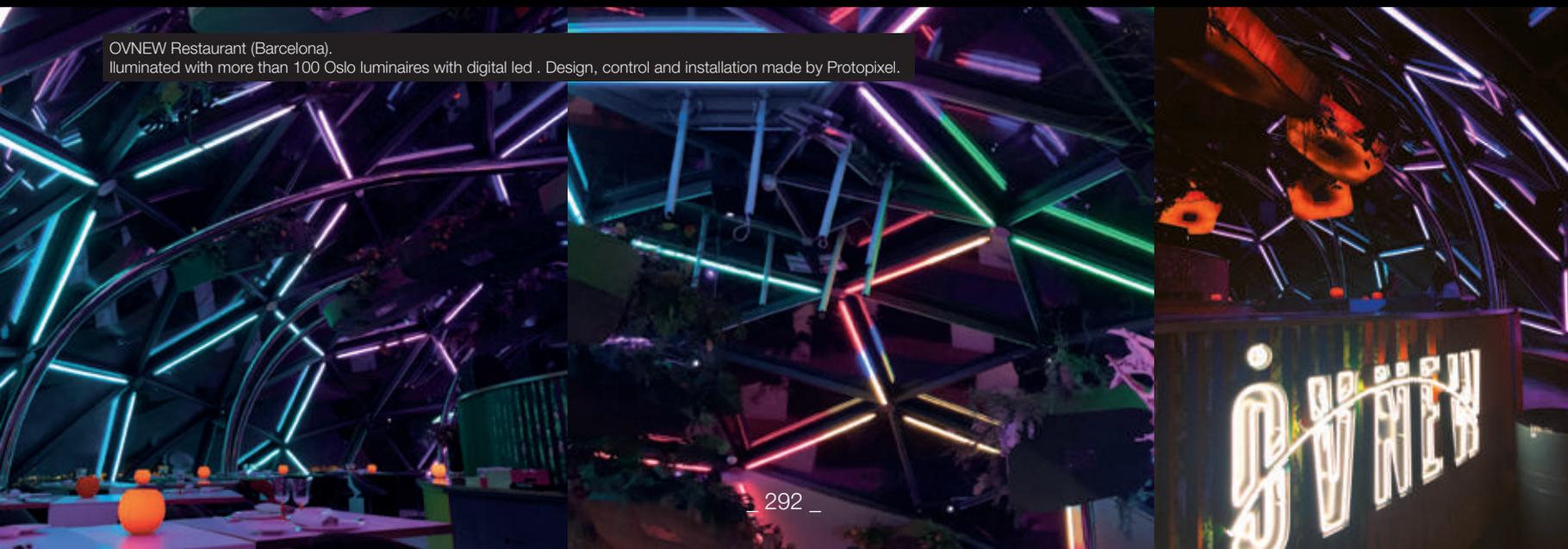


www.digitalled.net

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 Protopixel.

FIJI RGB
"cuttable 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.

Maximum connection in open circuit: 2m.

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
Measurements	5000x5x2.5mm
Cuttable	every 16.54mm
PCB	5mm
Working temperature	-20°C / +60°C
Apt for	indoor
Packaging	1 roll/5m
Guarantee	3 years

HAWAI RGB
"cuttable every 1 led"



Ref: 35.002

RGB

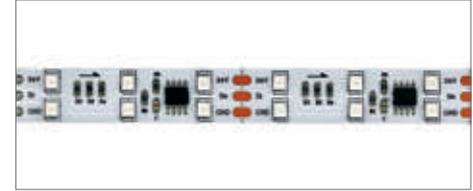
Flexible led strip with digital led in RGB "PRO" series, IP20 with 60 leds/metre and cuttable every led.

Requires use with led profile to permit dissipation.
10mm PCB.

Maximum connection in open circuit: 5m.

Power (W)	9W/m
Voltage (V)	12V
IC type	2815
Lumens	260 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60
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

SEYCHELLES RGB
"cuttable 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.

Maximum connection in open circuit: 5m.

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
Measurements	5000x12x2.5mm
Cuttable	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: 5m.

Power (W)	5W/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
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

BALI warm white
"cuttable every 3 leds" - control led to led



Ref: 35.006

6.500°K

Ref: 35.007

3.000°K

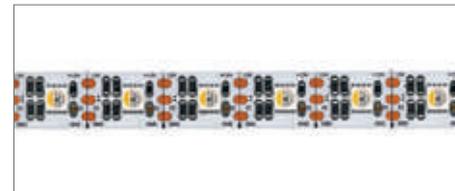
Flexible led strip with warm white monochromatic digital led, "PRO" series, IP20 with 60 leds/metre and cuttable every 3 leds + led to led control.

Requires use with led profile to permit dissipation.
10mm PCB.

Maximum connection in open circuit: 5m.

Power (W)	14.4W/m
Voltage (V)	12V
IC type	2811
Lumens ^(7000°K)	1000 Lm/m
Lumens ^(3000°K)	994 Lm/m
Led Control	led to led
Light emission	120°
Waterproofing	IP20
N° leds/m	60
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

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.

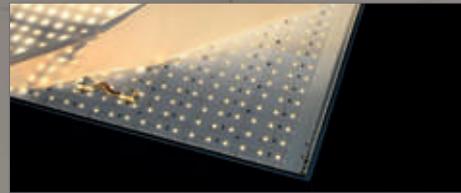
Requires use with led profile to permit dissipation.
10mm PCB.

Maximum connection in open circuit: 5m.

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
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.



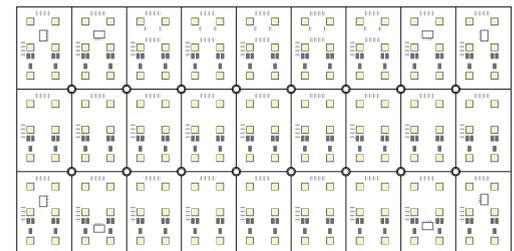
Power (W)	18W
Voltage (V)	24V
Led type	5050
Lumens	665 Lm
Light emission	120°
Waterproofing	IP20
N° leds/m	162 Leds/m
Measurements	480x240x5mm
Cuttable	it is cuttable basing on the cutting line
PCB	480x240
Working temperature	-25°C / +60°C
Apt for	indoor
Packaging	1 unit
Guarantee	2 years

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



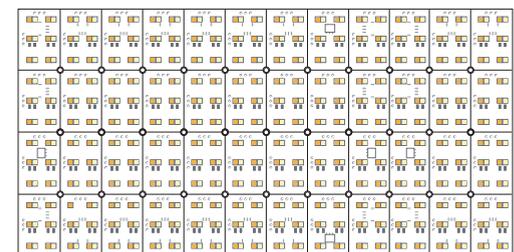
Power (W)	16W
Voltage (V)	24V
Led type	2835
Lumens (3000°K)	978 Lm
Light emission	120°
Waterproofing	IP20
N° leds/m	288 Leds/m
Measurements	480x240x5mm
Cuttable	it is cuttable basing on the cutting line
PCB	480x240mm
Working temperature	-25°C / +60°C
Apt for	indoor
Packaging	1 unit
Guarantee	2 years

Ref: 46.002

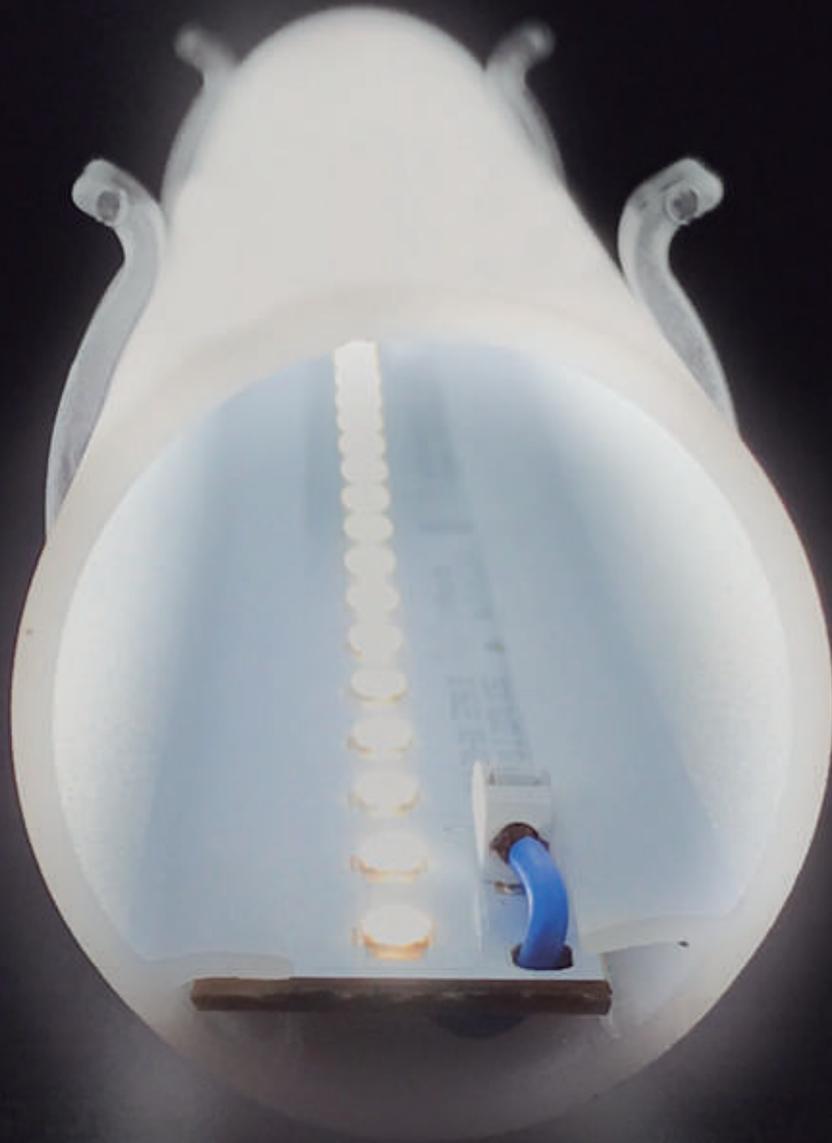
3000°K-6000°K

Flexible TUNABLE WHITE panel for indoor use (480x240mm) which can be cut in to 48 modules of 60x40mm, with 6 cold leds and 6 warm 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 width strips.



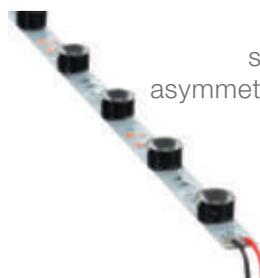
20mm wide strips (Vossloh)



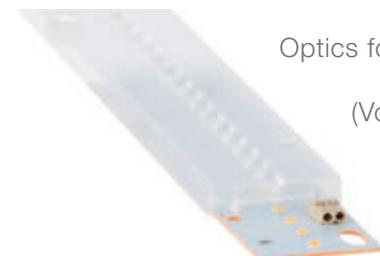
40mm wide strips (Vossloh)



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 (I)	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 (I)	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
Cutable	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
Cutable	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.

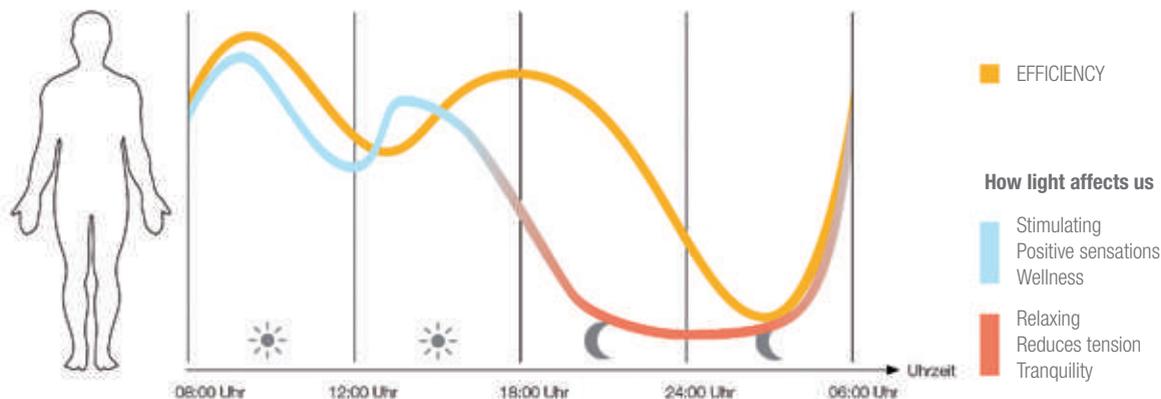
NICHIA led.

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
Cutable	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.

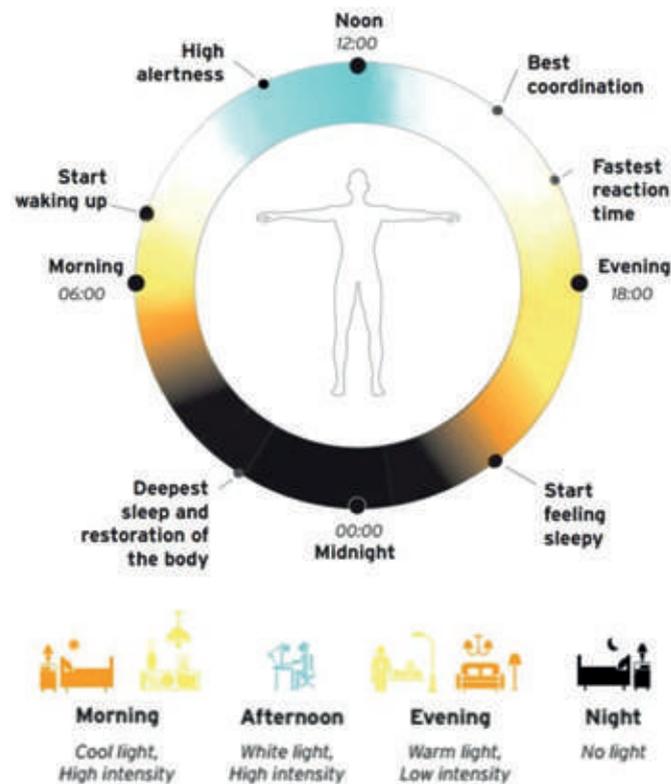
HCL (Human Centric Lighting) is the type of lighting focused on individuals and designed to make us feel better at all times.

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

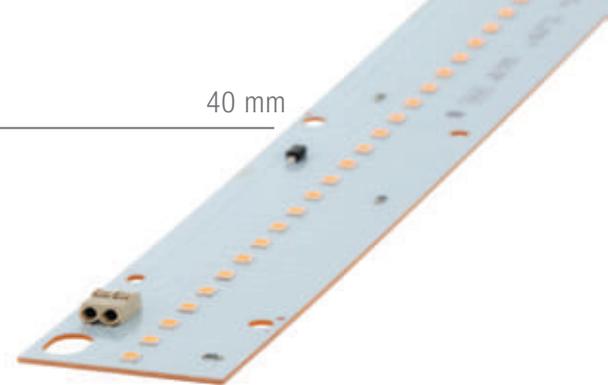
VOSSLOH (German origin) drivers for DALI applications. **5 year guarantee.**

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).

"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).

"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 ^(3000°K)	780 Lm / 1100 Lm / 1500 Lm
Colour temp.	3000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cutttable	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

Power (W)	4.79W / 6.97W / 9.97W
Intensity (l)	350mA / 500mA / 700mA
Lumens ^(4000°K)	820 Lm / 1150 Lm / 1570 Lm
Colour temp.	4000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cutttable	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

Power (W)	4.79W / 6.97W / 9.97W
Intensity (l)	350mA / 500mA / 700mA
Lumens ^(5000°K)	890 Lm / 1255 Lm / 1715 Lm
Colour temp.	5000°K
Light emission	120°
Waterproofing	IP20
CRI	>85
Measurements	280x40x1.6mm
Cutttable	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

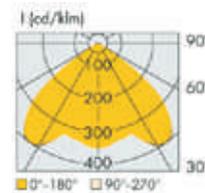
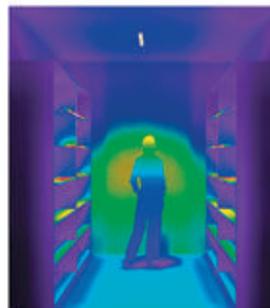


led profile with optic lens



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.

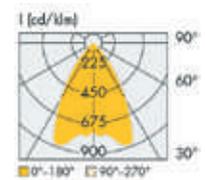
Please find below a detailed list of the most important optical emissions currently available.



Extra Wide 110°
Ref: 46.003

EXTRA WIDE OPTIC

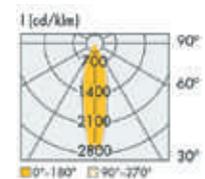
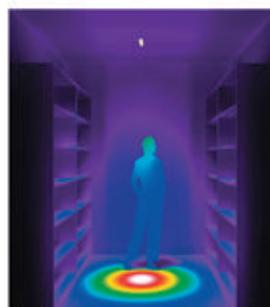
These optics provide the widest angle and are suitable for homogeneous lighting, therefore preventing the formation of grey areas.



Wide 60°
Ref: 46.004

60° OPTIC

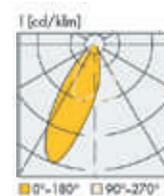
This is one of our most popular optics due to its versatility (it can be used in corridors and even in side shelving).



Narrow 30°
Ref: 46.005

30° OPTIC

High concentration optics which permit the lighting of transit areas and corridors with high ceilings or similar.



Retail ASYM
Ref: 46.006

ASYMMETRIC OPTIC

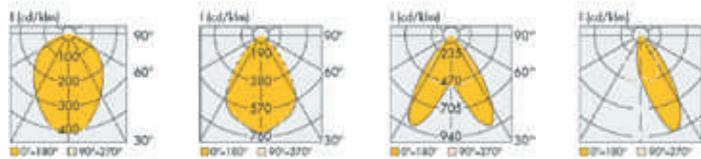
This optic accentuates the light intensity obtained from one of the sides of the device, making the products stand out and offering high visibility.

Optics for rigid strips

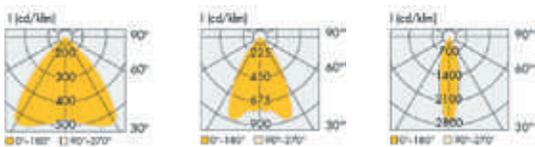
“Simple” optics
(for rigid strips of 40mm wide) See page 300

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



Cover Ref: 46.007 Standard Ref: 46.008 Retail SYM Ref: 46.009 Retail ASYM Ref: 46.006



Extra Wide 90° Ref: 46.010 Wide 60° Ref: 46.004 Narrow 30° Ref: 46.005

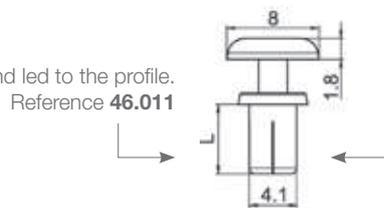
Terms of use

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 44mm rigid strips available and which can be used with the different types of optics (see page 304).



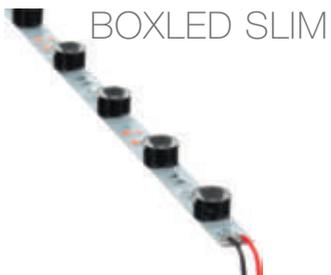
Compatibility with:



GALES
See page 203



KRAKOVIA
See page 222



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
Cutttable	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

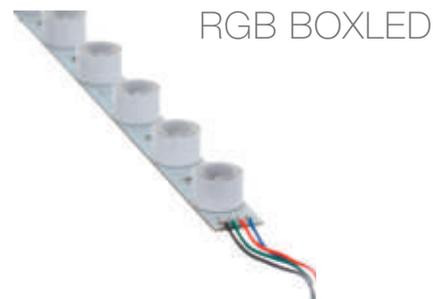


BOXLED PRO

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)	1685 Lm
Efficiency	134 Lm/W
Colour temp.	5700°K
Colour temp.	4000°K
Light emission	15° / 50° asymmetric
Waterproofing	IP20
CRI	>90
Measurements	500x24x15mm
Cutttable	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
Cutttable	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



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



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.

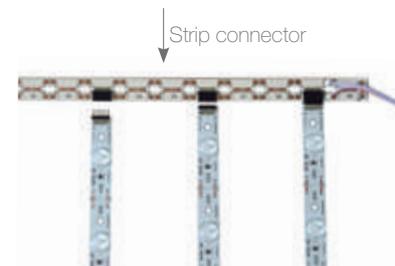
Voltage	24V
Power (W)	15W
Lumens ^(6000°K)	1530 Lm
Lumens ^(4000°K)	1430 Lm
Lumens ^(2700°K)	1330 Lm
Efficiency	102 Lm/W
Colour temp.	6000°K
Colour temp.	4000°K
Colour temp.	2700°K
Light emission	165°
Waterproofing	IP20
CRI	>90
Measurements	500x24x15mm
Cuttable	every 166.6mm ^(3 leds)
Working temp.	-20°C / +60°C
Power supply	not included
Fixing	screw
Packaging	1 unit
Guarantee	3 years



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
39.016	24V	150W	6.3A	>0.5	IP67	700g	180x63x35,5

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	-	32W	24W	-	96W	60W	60W	192W
Power 24V	72W	72W	48W	240W	288W	-	288W	48W	48W	-	72W	48W	-	192W	120W	120W	384W
Power 220V	-	-	-	-	-	-	-	-	-	250W	-	-	200W	-	-	-	-
Waterproofing	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	3A
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



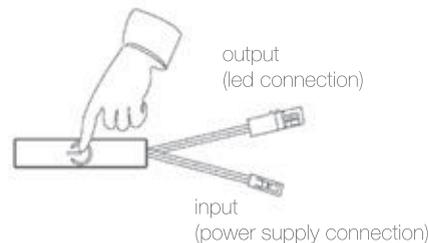
Ref: 41.012 12V-24V

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



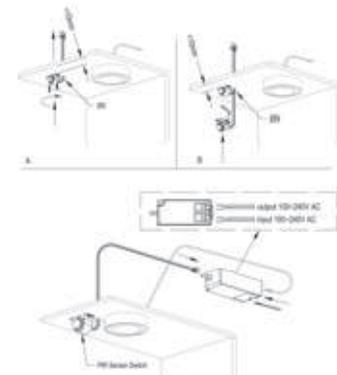
Ref: 41.013 100V-240V

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) 4-20 cms.

This product is only recommended for indoor use and only 1 sensor can be used in the same installation. It is suitable for recessing and surfaces. 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.

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.

On-Off switch

(doors and drawers)



Ref: 41.016

A mechanical switch designed to control lighting on opening and closing doors and drawers.

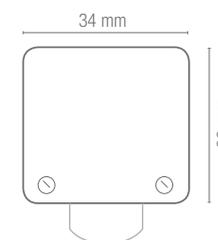
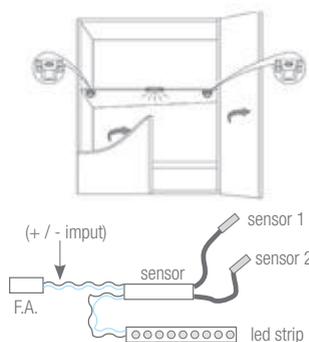
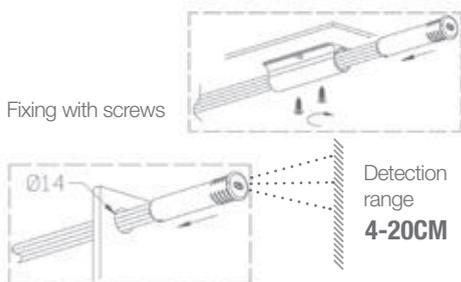
This product can be connected directly to the main power supply (maximum 250VAC/1A) with a service frequency of 50/60Hz. It can also permit the led to be connected at 12V-24V.

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)	36W (12V)
Power (W)	72W (24V)
Channels (output)	1
Amps	2A
Measurements	63x28x17mm
On-Off	4-20cm
Working temperature	-20°C / +45°C
Weight	12g
Waterproofing	IP20
Packaging	1 unit
Guarantee	2 years

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

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

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

Slave DMX

(Control 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

Amplifier (non-waterproof)

(3 channels "RGB")



Ref.: 41.020

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)	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

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)	144W (12V)
Power (W)	288W (24V)
Channels (output)	3
Amps	4A x channel
Measurements	53x79x29mm
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 a digital signal which can DALI protocols. 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 a digital signal which can DMX512 protocols.

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 digital controller plus remote.
300 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 ² (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, 300 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

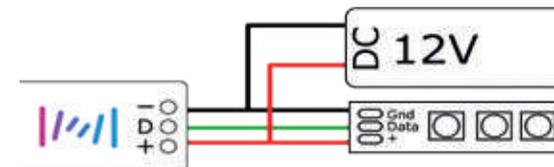
with wifi

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



For cables of up to 2mm

Ref: 42.014
Terminal (not sealed) with 3 ways
Measurements: 20x14x17mm



Ref: 42.015
Terminal (not sealed) with 1 pole
Measurements: 8x3mm



Ref: 42.016
Terminal (not sealed) with 2 poles
Measurements: 8x6mm



For cables of up to 2mm

Ref: 42.017
Terminal (not sealed) with 5 ways
Measurements: 25x14x20mm



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: 42.075
Connector for IP20 strip with PCB of 8mm
Ref: 42.076
Connector for IP20 strip with PCB of 10mm

See page 335



Ref: 42.068
Connector for IP20 strip with
PCB of 10mm

Ref: 42.069
Connector for IP20 strip with
PCB of 5-8mm



See page 263



Ref: 42.007
Connector for IP65 strip with PCB of 10mm



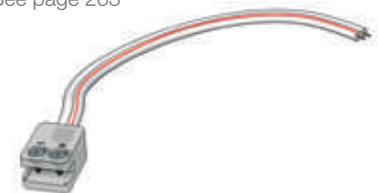
Ref: 42.026
Waterproof connector IP67 "male-female" with a
10cm cable. Measurements: 25x10mm

See page 263



Ref: 42.004
Kit (connector with cable of 10cm, closure
endcap, cap with connector neck, screws and
silicone)

See page 263



Ref: 42.005
Connector with cable of 100cm



Ref: 42.077
3 pin Cannon connector for embedding (female)



Ref: 42.078
3 pin Cannon connector for embedding (male)



Ref: 42.079
3 pin Cannon connectors (pair)



Ref: 42.044
"Female" jack connector



Ref: 42.071
"Male" jack connector



Ref: 42.036
Non waterproof jack power strip
Measurements: 13x6mm



Ref: 42.037
Waterproofing spray
for leds and connections: 400ml

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



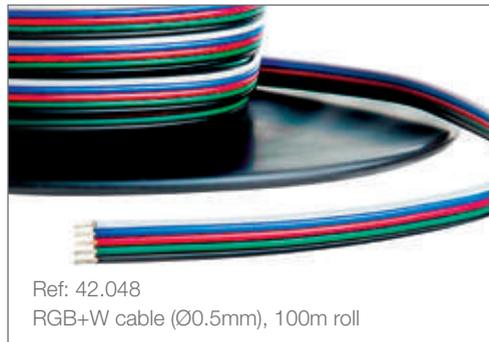
Ref: 42.042
Cutters for led profiles and covers



Ref: 42.001
Adhesive magnetic strips (12mm width)
for fixing led profiles



Ref: 42.047
RGB cable (Ø0.5mm), 100m roll



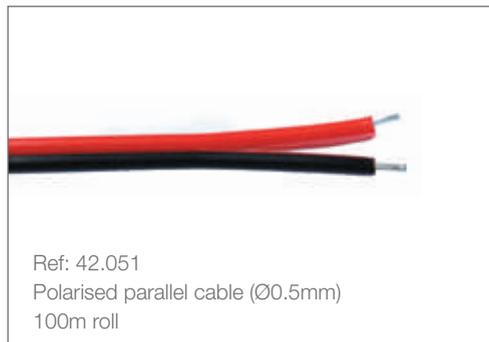
Ref: 42.048
RGB+W cable (Ø0.5mm), 100m roll



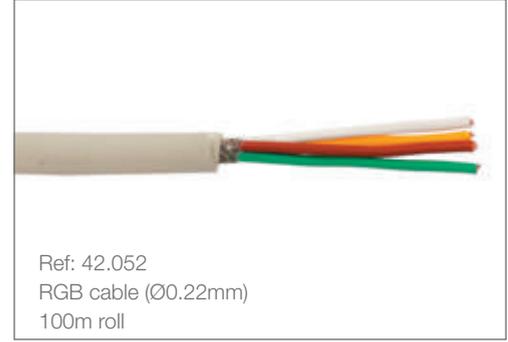
Ref: 42.049
5 wire cable hose (Ø1.5mm)
100m roll



Ref: 42.050
Polarised grey cable hose (Ø0.5mm)
100m roll



Ref: 42.051
Polarised parallel cable (Ø0.5mm)
100m roll

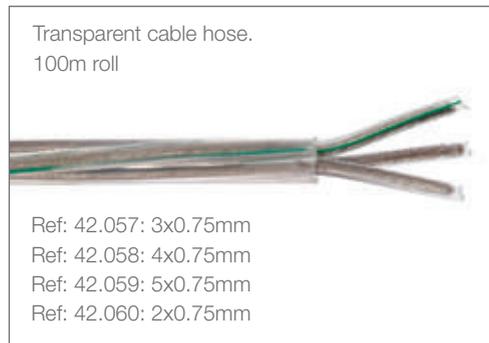


Ref: 42.052
RGB cable (Ø0.22mm)
100m roll



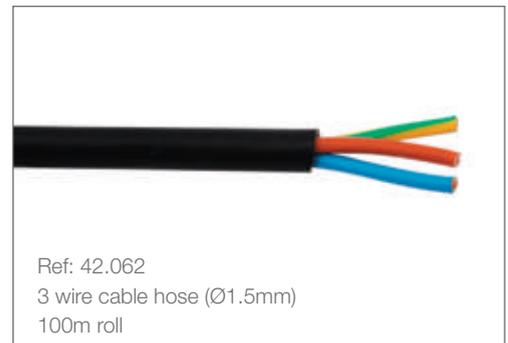
Thermoretractable for covering
cables and welding
in led strips

Thermoretractable strip
Ref: 42.053 black/1.5x2.4mm
Ref: 42.054 white/1.5x4.8mm
Ref: 42.055 white/16mm
Ref: 42.056 transparent/15.48mm



Transparent cable hose.
100m roll

Ref: 42.057: 3x0.75mm
Ref: 42.058: 4x0.75mm
Ref: 42.059: 5x0.75mm
Ref: 42.060: 2x0.75mm



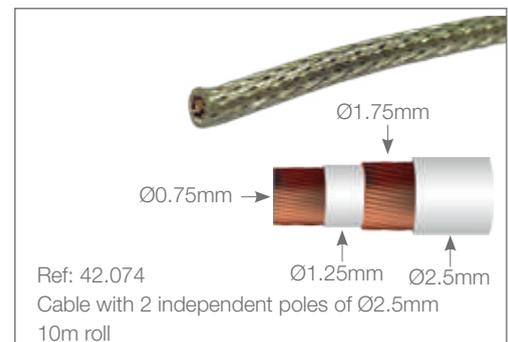
Ref: 42.062
3 wire cable hose (Ø1.5mm)
100m roll



Ref: 42.061
Cable hose with socket and earthing



Ref: 42.070
Steel braided cable of Ø1.5mm
100m roll

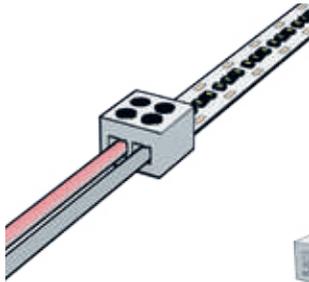


Ref: 42.074
Cable with 2 independent poles of Ø2.5mm
10m roll



Connectors for non-waterproof strips. (with screw system, no need for welding)

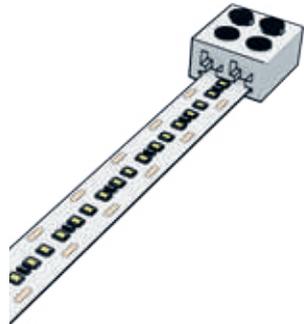
Our new IP20 connectors make led strip connections easier, as there is no soldering involved. Only 2 screws are required like in conventional terminal blocks.



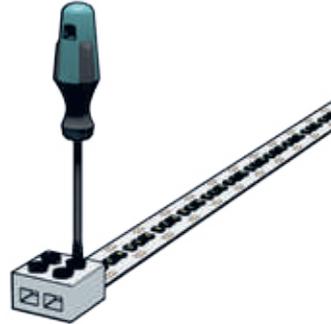
42.068 10mm PCB connectors



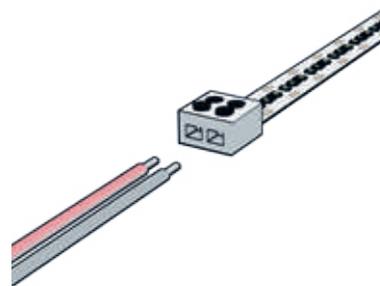
42.069 5-8mm PCB connectors



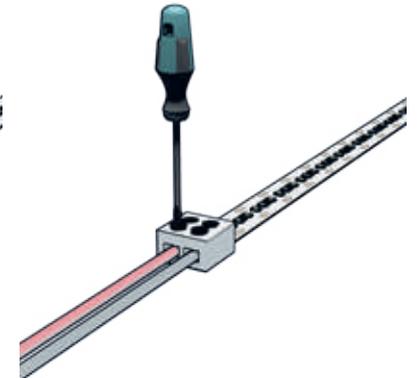
1. We place the strip inside the connector.



2. We tighten the screws on the connector to fix the led strip.



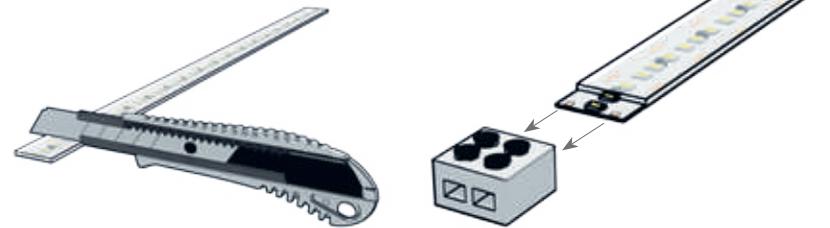
3. We connect the electric cable.



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 PRO
- 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

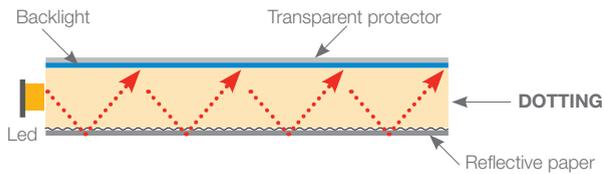
Dotting Matrix

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.

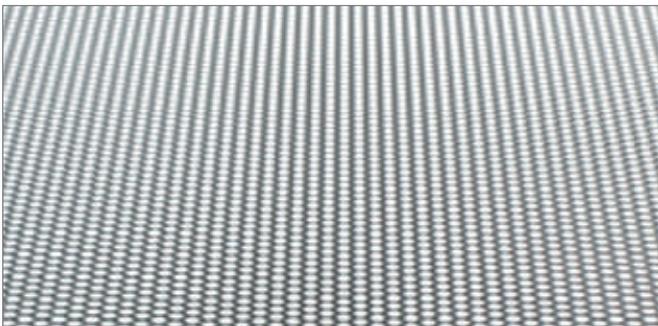
This allows us to manufacture luminous publicity displays or decorative panels with different shapes and with only a width of 3mm.

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





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.

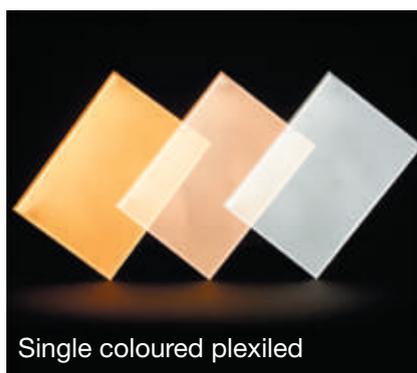
The client can choose the thickness of the methacrylate optic, the power, the colour of the led strip and the number of sides to be illuminated (the more sides illuminated, the brighter the panel).

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.

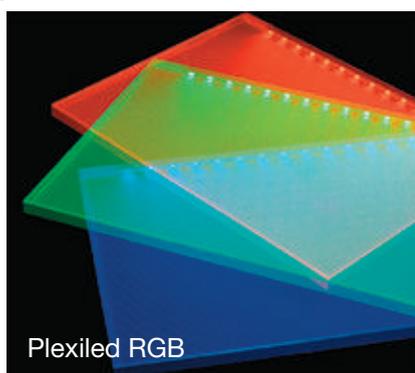
Luminaires designed and manufactured with Dotting and “Cíes” ecoled, all by Luz Negra.

* Compatible profiles found on pages 152, 154, 158, 160 and 161



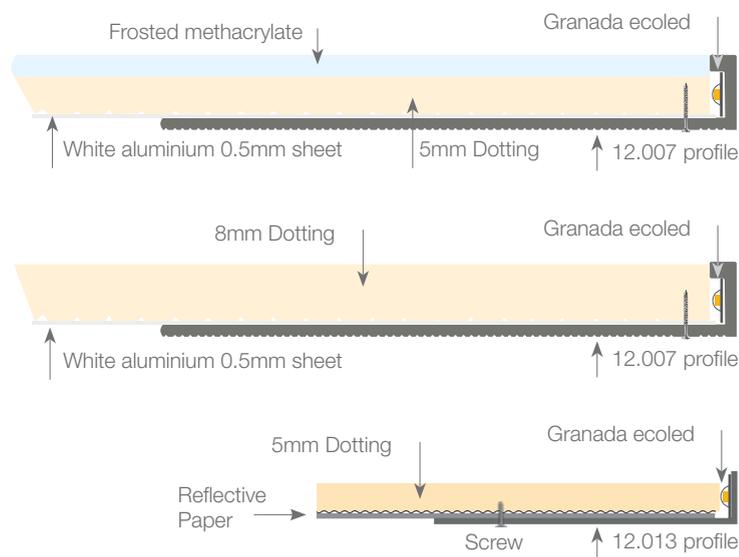
Single coloured plexiled

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 (Vossloh 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

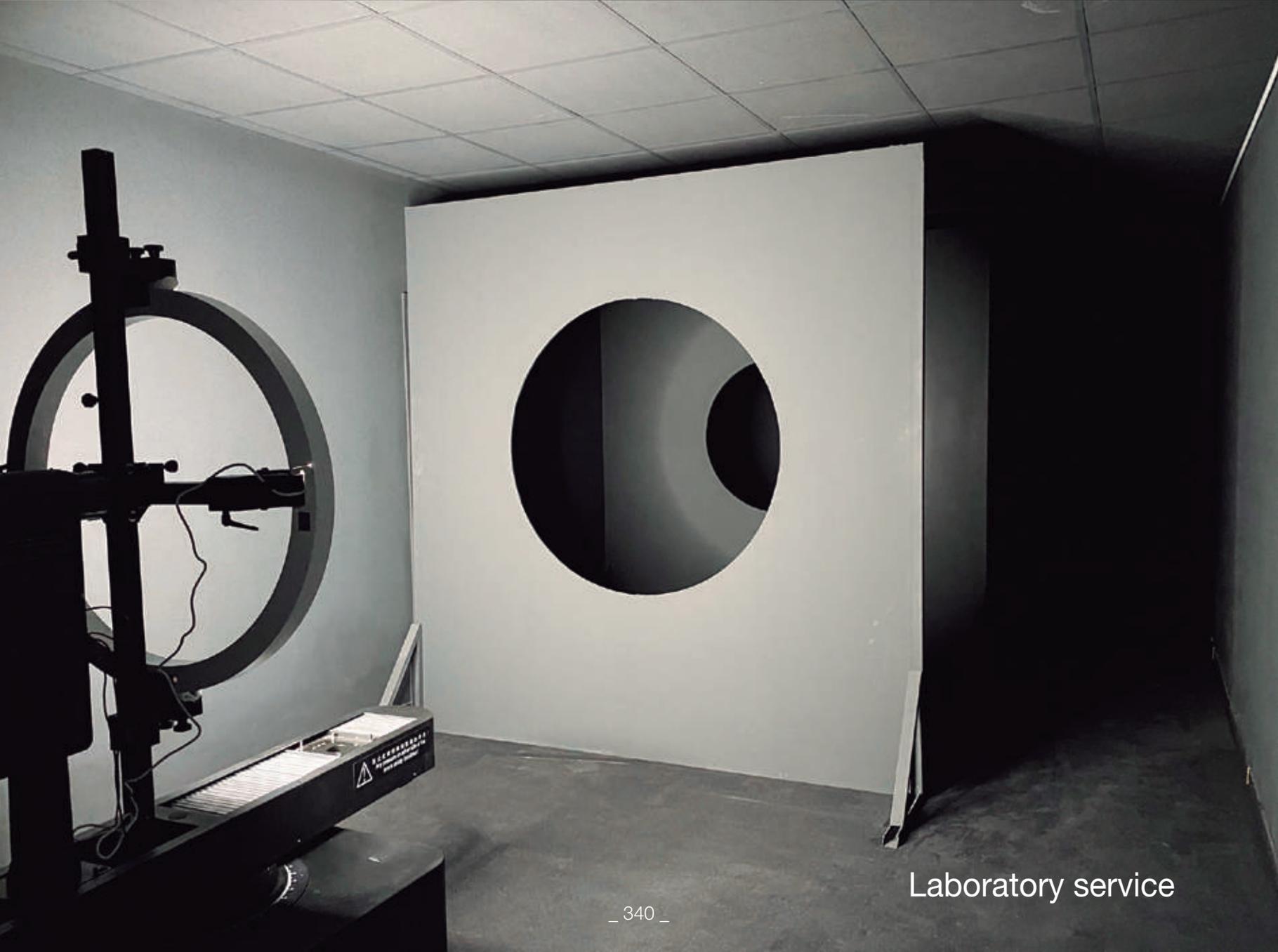
		Plexiled maxi with 8mm thickness					
		30cm	60cm	90cm	120cm	150cm	200cm
30cm	L1	71.031	71.032	71.033	71.034	71.035	71.036
30cm	L2	71.037	71.038	71.039	71.040	71.041	71.042
60cm	L2	-	71.043	71.044	71.045	71.046	71.047
90cm	L2	-	-	71.048	71.049	71.050	71.051
120cm	L2	-	-	-	71.052	71.053	71.054



Luminaires designed and manufactured with Dotting and ecoleds (see page 336), all by Luz Negra.

Project carried out by MASQUESPACIO (Restaurante Hikari).





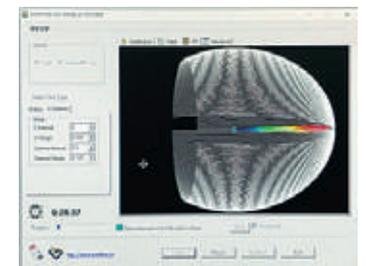
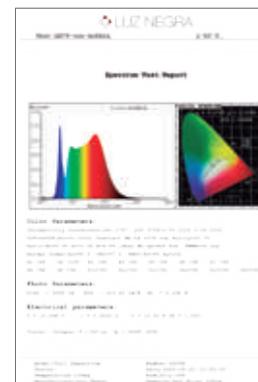
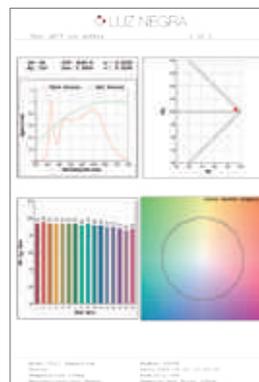
Laboratory service



At Luz Negra we can offer you a new service for testing and measuring procedures in our certified laboratory.

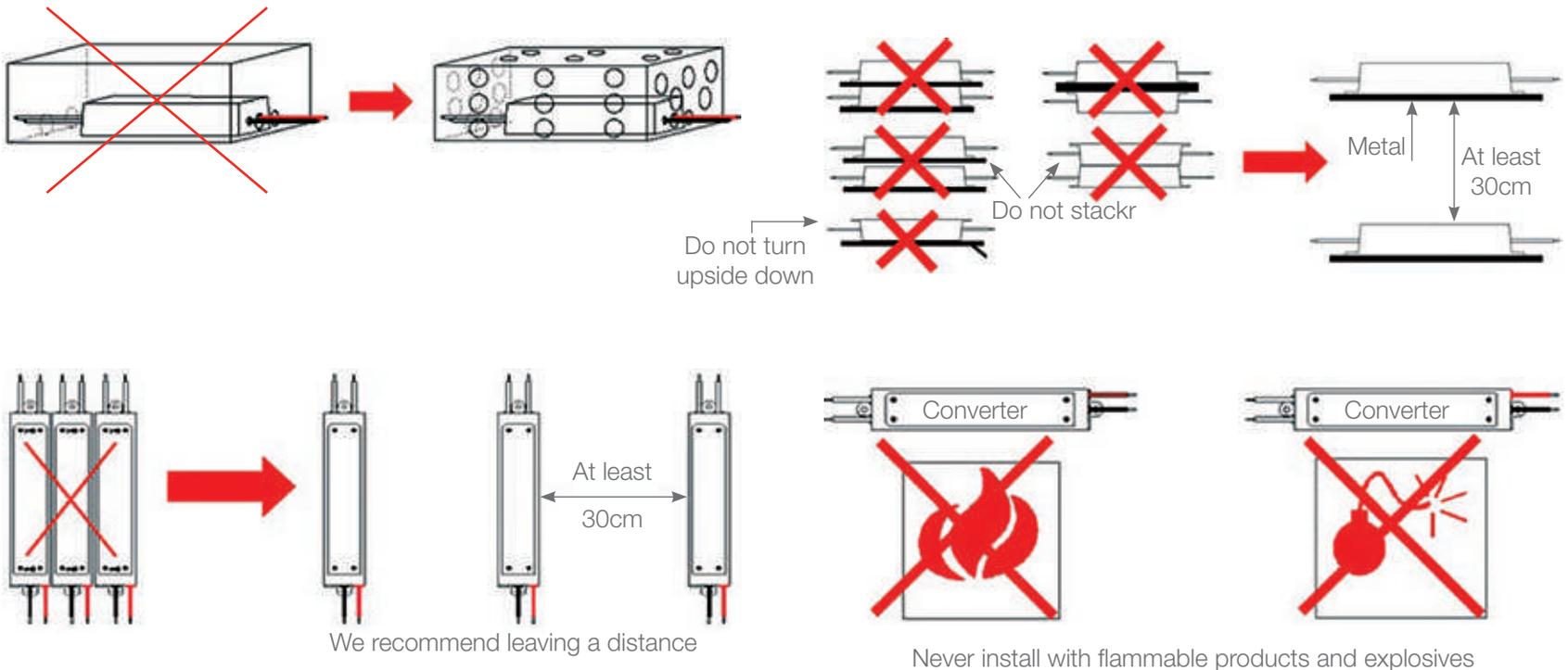
These measurements are calculated by our 2 most technologically advanced machines, these being a spectroradiometer equipped with an integrated sphere with a 1500mm diameter and a goniophotometer, which carries out product testing in a 40m² dark room.

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

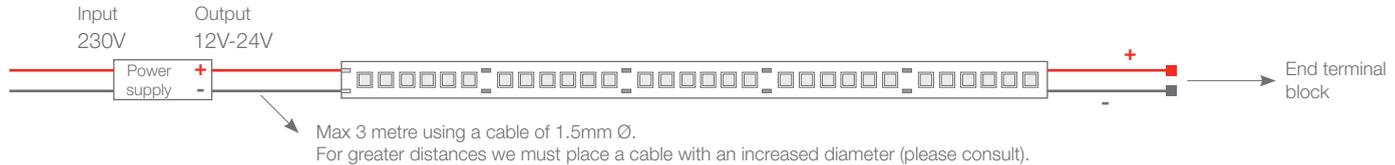
Cable section (diameter Ø)	10W	20W	30W	40W	50W	75W	100W	150W	200W	250W
0.5mm ²	8.1	4.0	2.7	2.0	1.6	1.1	0.8	0.5	0.4	0.3
0.75mm ²	12.1	6.0	4.0	3.0	2.4	1.6	1.2	0.8	0.6	0.5
1mm ²	16.1	8.1	5.4	4.0	3.2	2.2	1.6	1.1	0.8	0.6
1.5mm ²	24.2	12.1	8.1	6.0	4.8	3.2	2.4	1.6	1.2	1.0
2.5mm ²	40.3	20.2	13.4	10.1	8.1	5.4	4.0	2.7	2.0	1.6
4mm ²	64.5	32.3	21.5	16.1	12.9	8.6	6.5	4.3	3.2	2.6
6mm ²	96.8	48.5	32.3	24.2	19.4	12.9	9.7	6.5	4.8	3.9
10mm ²	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

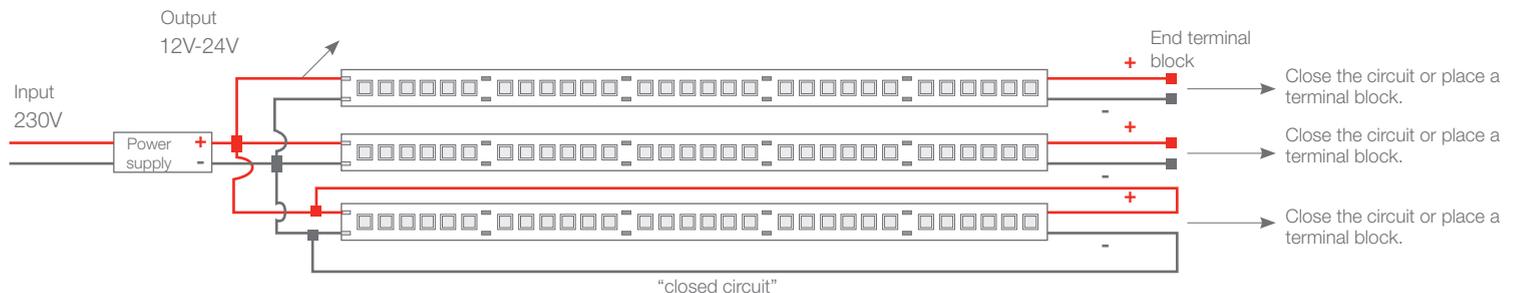
When using this type of circuit, it's important not to exceed the maximum recommended power levels (defined in the data sheet provided for each product). By doing so, we will avoid overheating at the beginning of the led strip and potential malfunctioning. The use of thermal tape ref: 42.039 or an aluminium 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.

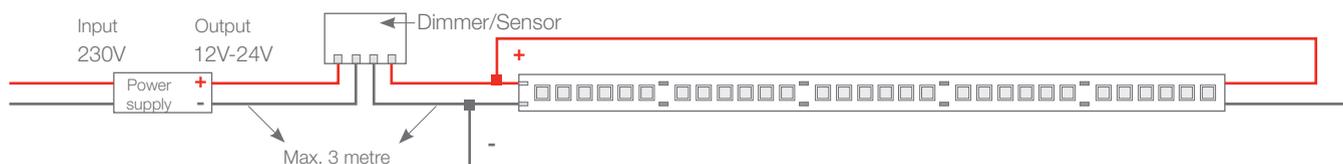
Installation diagram for a single coloured parallel circuit

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.



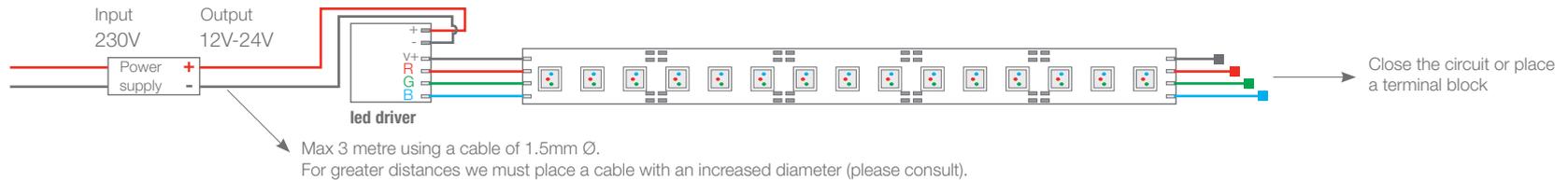
Installation diagram for RGB “3 channels”

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.



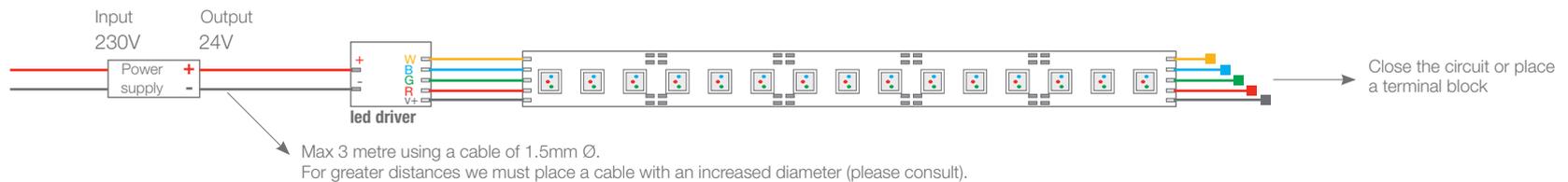
Installation diagram for RGBW “4 channels”

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.



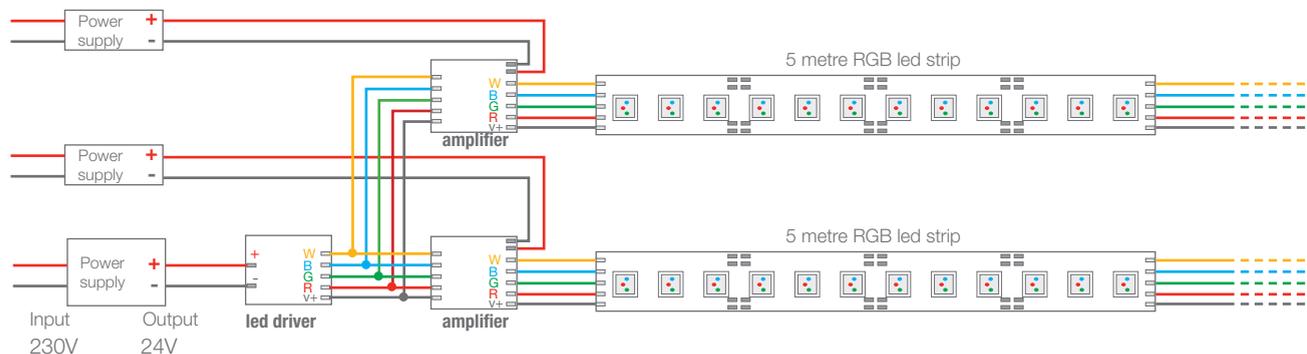
Installation diagram for RGBW “4 channels” with amplifiers

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 parameter 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

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.

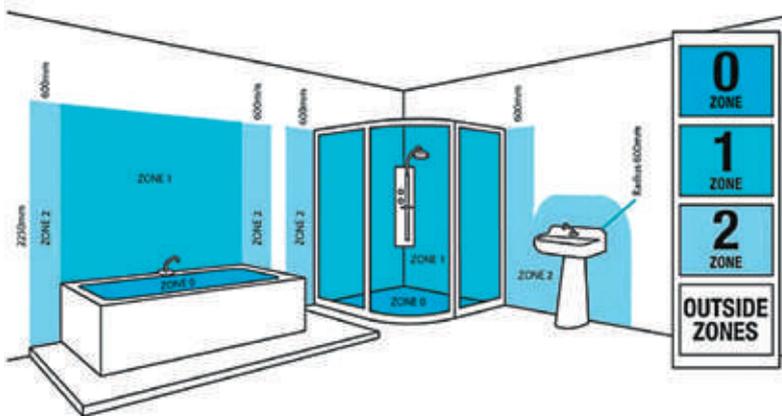
This classifying system combines the letters IP followed by two or three numbers. The letter "X" is used only when there is a type of protection against humidity. The first number defines the protection against solid materials. The second number defines the protection against liquid materials.

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.

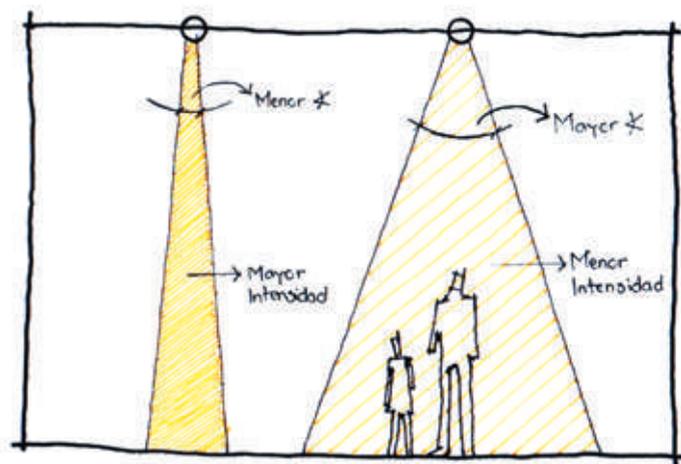
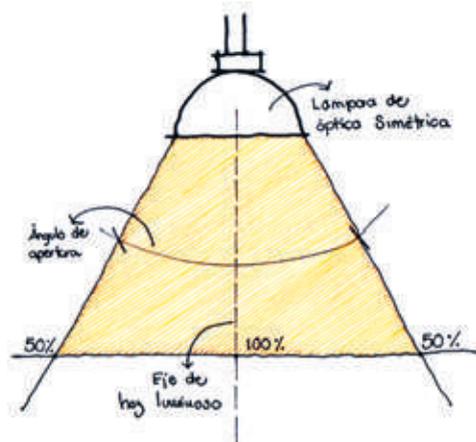
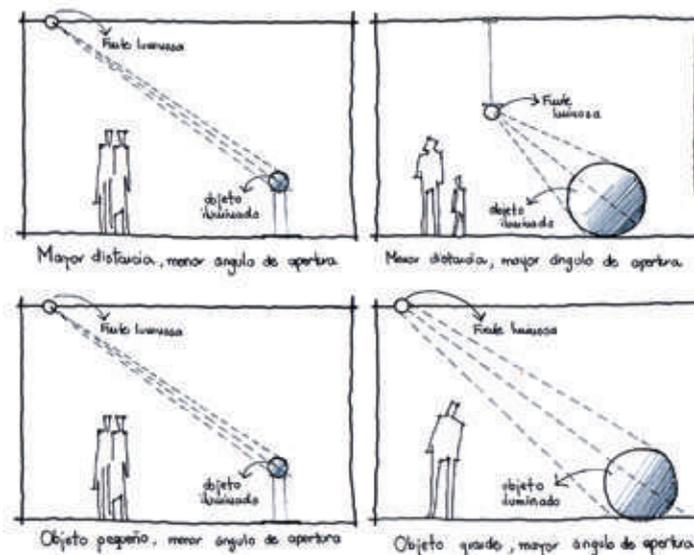
Basic lighting concepts

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° and 50° , we round the number up to express it as multiples of 5, for example:

22° must be rounded down to 20° . For angle values greater than 50° , 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.



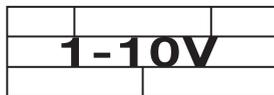
DALI / Digital Addressable Lighting Interface

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

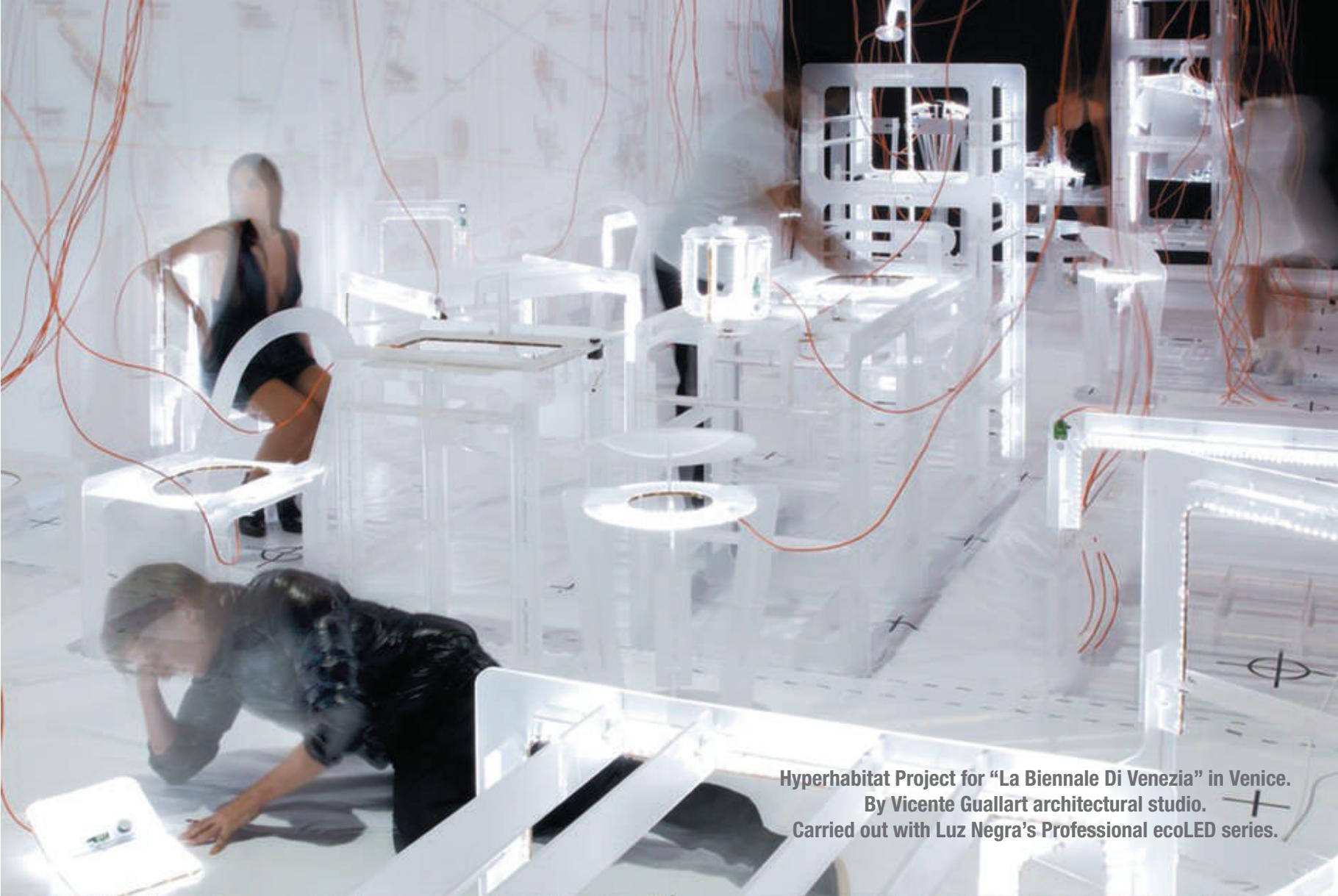
DMX512 Program Code

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.

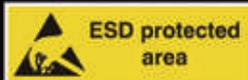
In order to prevent any potential interference during transmission, all DMX512 wires must be kept apart from the rest of electric cables and signal repeaters.

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



- Luminaires (made to measure) 354
- Soft Line 362
- Saturno 364
- Shinka **On**light 370
- Digital luminaires 372



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, 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 Dia**Lux** and **RE**lux programs.

Emergency kit for luminaires (optional).



Hanging

380



Recessed

382



Corner

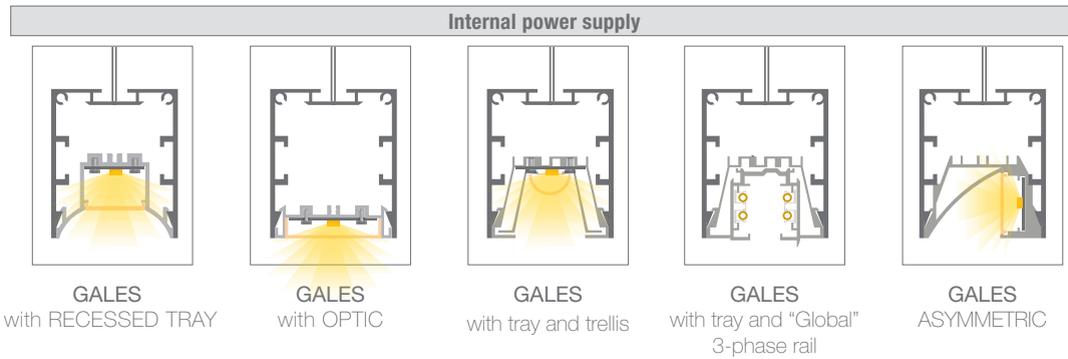
384



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.

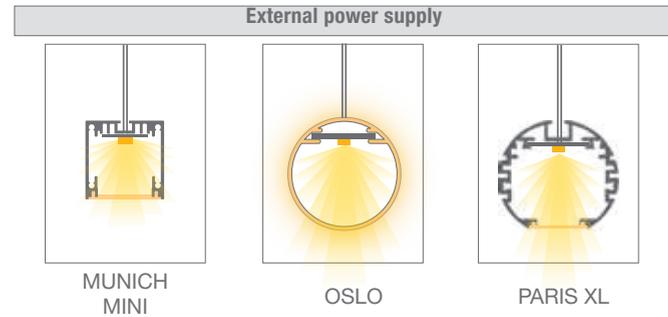
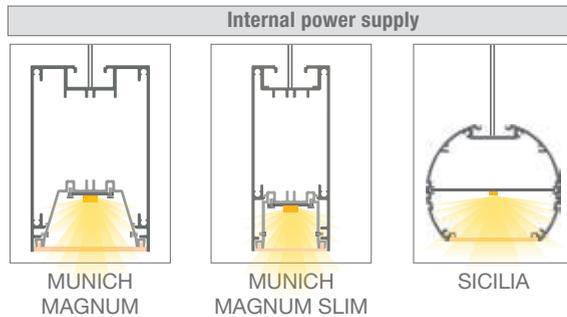
REFERENCES ON-OFF	REFERENCES DALI / PUSH	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
82.073	82.053	58cm	33W	5545 Lm	3000K-4000K-5000K
82.074	82.054	86cm	50W	8250 Lm	3000K-4000K-5000K
82.075	82.055	114cm	67W	11055 Lm	3000K-4000K-5000K
82.076	82.056	142cm	84W	13860 Lm	3000K-4000K-5000K
82.077	82.057	170cm	101W	16665 Lm	3000K-4000K-5000K
82.078	82.058	198cm	118W	19470 Lm	3000K-4000K-5000K
82.079	82.059	226cm	135W	22275 Lm	3000K-4000K-5000K
82.080	82.060	254cm	152W	25080 Lm	3000K-4000K-5000K
82.081	82.061	282cm	169W	27885 Lm	3000K-4000K-5000K
82.082	82.062	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



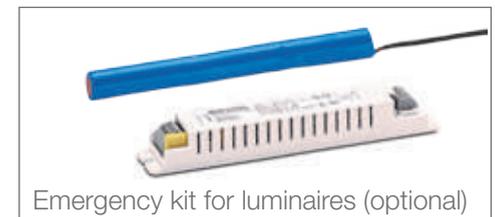
Amperage: 700mA - rigid led strip 20mm wide - The lumens reflected in this table correspond to the rigid strips for 4000°K (165 Lm/W).
The profiles can be manufactured in different finishings. Please check options with our commercial department.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	Size	Power	Lumens (4000°K)	Colour temp. (Kelvin)
82.113	82.083	58cm	33W	5545 Lm	3000K-4000K-5000K
82.114	82.084	86cm	50W	8250 Lm	3000K-4000K-5000K
82.115	82.085	114cm	67W	11055 Lm	3000K-4000K-5000K
82.116	82.086	142cm	84W	13860 Lm	3000K-4000K-5000K
82.117	82.087	170cm	101W	16665 Lm	3000K-4000K-5000K
82.118	82.088	198cm	118W	19470 Lm	3000K-4000K-5000K
82.119	82.089	226cm	135W	22275 Lm	3000K-4000K-5000K
82.120	82.090	254cm	152W	25080 Lm	3000K-4000K-5000K
82.121	82.091	282cm	169W	27885 Lm	3000K-4000K-5000K
82.122	82.092	338cm	203W	33495 Lm	3000K-4000K-5000K
82.123	82.093	394cm	237W	39105 Lm	3000K-4000K-5000K
82.124	82.094	450cm	271W	44715 Lm	3000K-4000K-5000K
82.125	82.095	506cm	305W	50325 Lm	3000K-4000K-5000K
82.126	82.096	562cm	339W	55935 Lm	3000K-4000K-5000K
82.127	82.097	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.



- Photometric curves and IES/LDT files can be carried out in our laboratory on request.

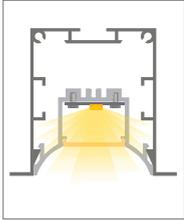


European Patent
Nº.: 13156605.1

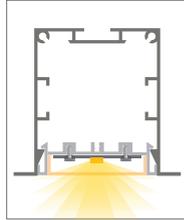


Recessed luminaires - Made to measure

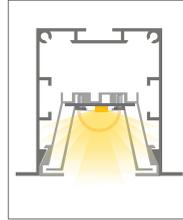
Internal power supply



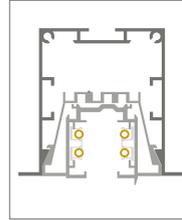
KRAKOVIA
with RECESSED TRAY



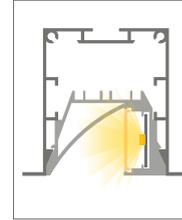
KRAKOVIA
with OPTIC



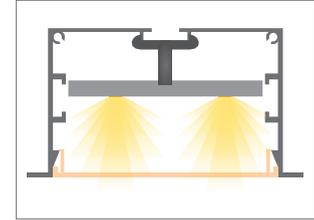
KRAKOVIA
with tray and trellis



KRAKOVIA
with tray and "Global"
3-phase rail



KRAKOVIA
ASYMMETRIC



ANDORRA

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	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
84.040	84.020	58cm	33W	5545 Lm	3000K-4000K-5000K
84.041	84.021	86cm	50W	8250 Lm	3000K-4000K-5000K
84.042	84.022	114cm	67W	11055 Lm	3000K-4000K-5000K
84.043	84.023	142cm	84W	13860 Lm	3000K-4000K-5000K
84.044	84.024	170cm	101W	16665 Lm	3000K-4000K-5000K
84.045	84.025	198cm	118W	19470 Lm	3000K-4000K-5000K
84.046	84.026	226cm	135W	22275 Lm	3000K-4000K-5000K
84.047	84.027	254cm	152W	25080 Lm	3000K-4000K-5000K
84.048	84.028	282cm	169W	27885 Lm	3000K-4000K-5000K
84.049	84.029	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 use two lines of led strip (please check with our commercial department for corresponding prices and data).



Emergency kit for luminaires (optional)

The data reflected on this table may suffer slight changes according to manufacturing.

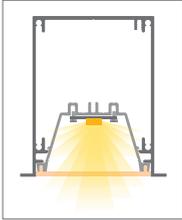
- Our luminaires with optics can only be manufactured with our models KRAKOVIA given measurements can suffer small changes.
- Luminosity data is based on supplier's data sheets for led strips Vossloh-Schwabe.
- We offer a 5 year guarantee.

- Photometric curves and IES/LDT files can be carried out in our laboratory on request.

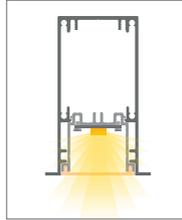


Recessed luminaires - Made to measure

Internal power supply

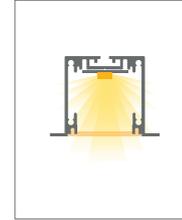


MOSCU
MAGNUM

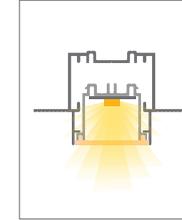


MOSCU
MAGNUM SLIM

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	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
84.080	84.050	58cm	33W	5545 Lm	3000K-4000K-5000K
84.081	84.051	86cm	50W	8250 Lm	3000K-4000K-5000K
84.082	84.052	114cm	67W	11055 Lm	3000K-4000K-5000K
84.083	84.053	142cm	84W	13860 Lm	3000K-4000K-5000K
84.084	84.054	170cm	101W	16665 Lm	3000K-4000K-5000K
84.085	84.055	198cm	118W	19470 Lm	3000K-4000K-5000K
84.086	84.056	226cm	135W	22275 Lm	3000K-4000K-5000K
84.087	84.057	254cm	152W	25080 Lm	3000K-4000K-5000K
84.088	84.058	282cm	169W	27885 Lm	3000K-4000K-5000K
84.089	84.059	338cm	203W	33495 Lm	3000K-4000K-5000K
84.090	84.060	394cm	237W	39105 Lm	3000K-4000K-5000K
84.091	84.061	450cm	271W	44715 Lm	3000K-4000K-5000K
84.092	84.062	506cm	305W	50325 Lm	3000K-4000K-5000K
84.093	84.063	562cm	339W	55935 Lm	3000K-4000K-5000K
84.094	84.064	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.

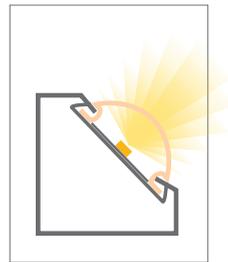


Corner luminaires - Made to measure

Internal power supply

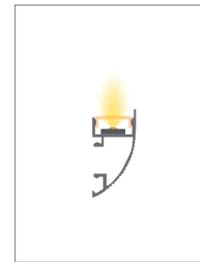


VENEZIA



MONACO

External power supply



GALICIA

- 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	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
83.017	83.005	58cm	12.20W	1740 Lm	2700K-4000K-6500K
83.018	83.006	86cm	18.10W	2580 Lm	2700K-4000K-6500K
83.019	83.007	114cm	23.95W	3420 Lm	2700K-4000K-6500K
83.020	83.008	142cm	29.85W	4260 Lm	2700K-4000K-6500K
83.021	83.009	170cm	35.7W	5100 Lm	2700K-4000K-6500K
83.022	83.010	198cm	41.67W	5940 Lm	2700K-4000K-6500K

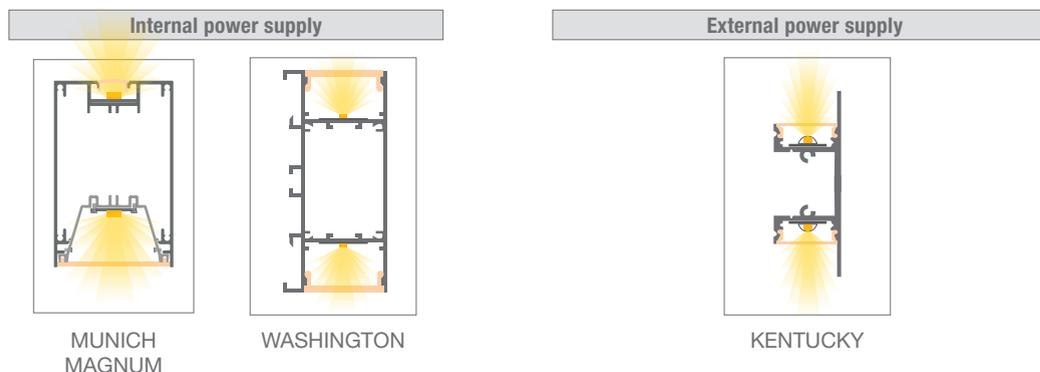
The data reflected on this table may suffer slight changes according to manufacturing.



skyled by Luz Negra

VS LIGHTING SOLUTIONS
made in Germany

Wall lamp luminaires - Made to measure



- Profiles in silver anodised.
Granada led strip 19W.

REFERENCES ON-OFF	REFERENCES DALI / PUSH	SIZE	POWER	LUMENS (4000°K)	COLOUR TEMP. (KELVIN)
83.053	83.023	58cm	12.20W	1740 Lm	2700K-4000K-6500K
83.054	83.024	86cm	18.10W	2580 Lm	2700K-4000K-6500K
83.055	83.025	114cm	23.95W	3420 Lm	2700K-4000K-6500K
83.056	83.026	142cm	29.85W	4260 Lm	2700K-4000K-6500K
83.057	83.027	170cm	35.7W	5100 Lm	2700K-4000K-6500K
83.058	83.028	198cm	41.67W	5940 Lm	2700K-4000K-6500K

The data reflected on this table may suffer slight changes according to manufacturing.



European Patent
Nº.: 13156605.1

Innovation
made
in
Spain

- Photometric curves and IES/LDT files can be carried out in our laboratory on request.



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 or 30m 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.



Bracket (A)



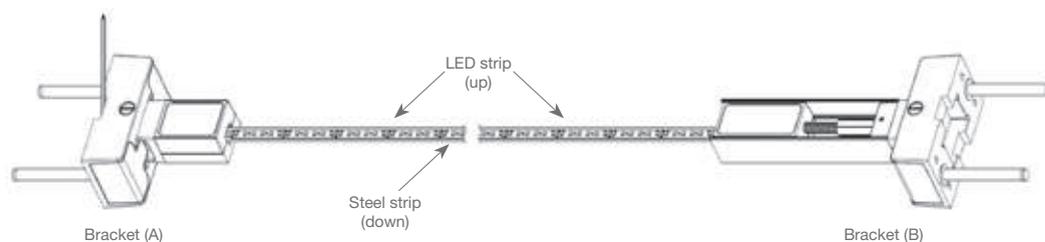
Bracket (B)



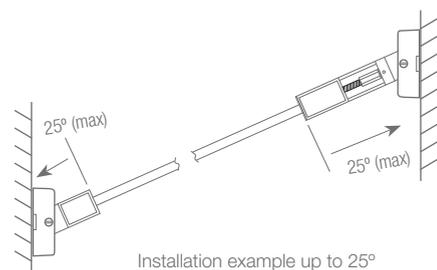
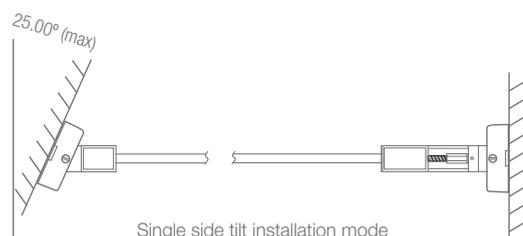
Steel strip



Accessory kit



- Ref: 82.128 Soft line white colour (30m)
- Ref: 82.129 Soft line black colour (30m)





Saturno

Saturno is a collection of luminaires manufactured in circular. They offer illumination by means of high luminosity rigid strips. Used for hanging purposes, surfaces and wall applications.



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 different parts because of its size. It can be used on surfaces or for hanging applications (using hanging kits).

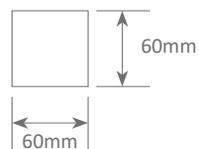
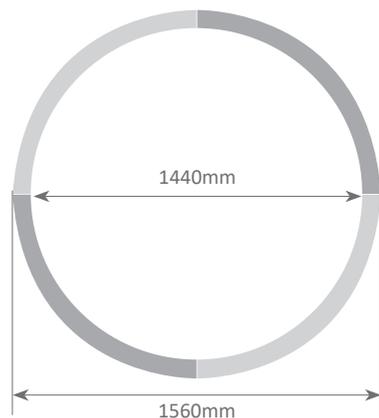
Ref: 80.019	3000°K	laquered white
Ref: 80.020	4000°K	laquered white
Ref: 80.021	6000°K	laquered white
Ref: 80.022	3000°K	laquered black
Ref: 80.023	4000°K	laquered black
Ref: 80.024	6000°K	laquered black

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



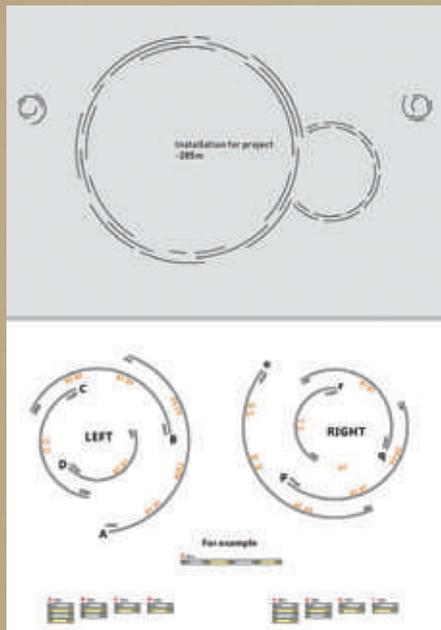
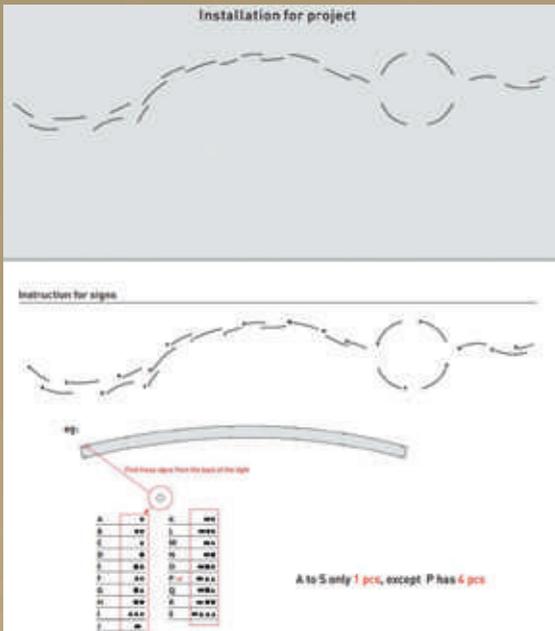
Saturno

Customised projects



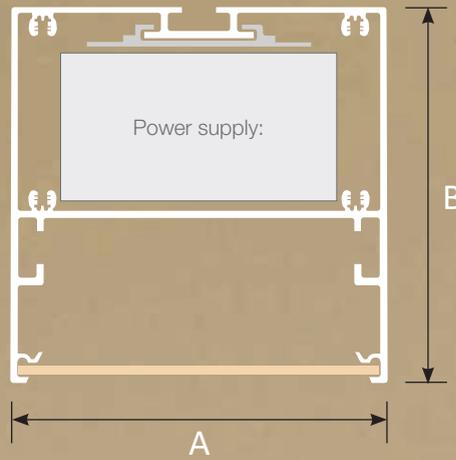


Examples of customised projects



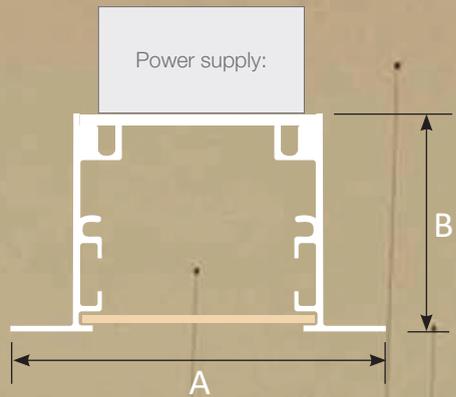
Profile sizes available:

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 discreetly 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	0.25m ²	52W	5000 Lm	2700°K-4000°K-6000°K
66.032	100x100x8cm	1.00m ²	210W	20000 Lm	2700°K-4000°K-6000°K
66.033	200x100x15cm	2.00m ²	420W	40000 Lm	2700°K-4000°K-6000°K
66.034	200x200x15cm	4.00m ²	840W	80000 Lm	2700°K-4000°K-6000°K
66.035	200x300x15cm	6.00m ²	1260W	120000 Lm	2700°K-4000°K-6000°K
66.036	200x400x15cm	8.00m ²	1680W	160000 Lm	2700°K-4000°K-6000°K
66.037	200x500x15cm	10.00m ²	2100W	200000 Lm	2700°K-4000°K-6000°K
66.038	200x600x15cm	12.00m ²	2500W	240000 Lm	2700°K-4000°K-6000°K





Microsoft

Microsoft Surface

More power to you

InfoSis

Surf

Surface Payment Solutions
for small business

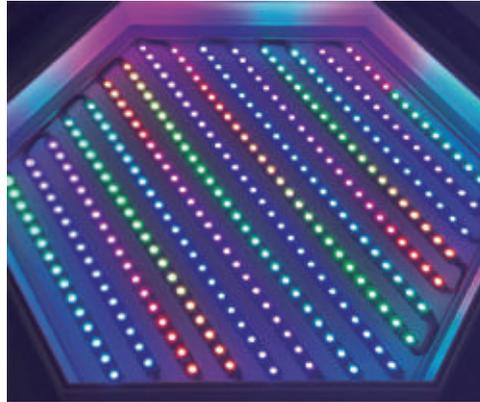
1371

YB

2

Shinka with digital led - made to measure

Innovation
made
in
Spain



Custom-made light boxes with frontal textile and RGB digital led inside. Profile of aluminium F110 (depth of 11cm), white/black lacquered or silver anodised. Rear side of black alucobond.

It includes white, translucent frontal side, power supply and controller ref: 41.047 (externally installed), a mapping of the installation and 5 default effects from our standard collection (fire, water, waves, plasma, etc.).

On demand, we can quote special, customised effects and other types of controllers.

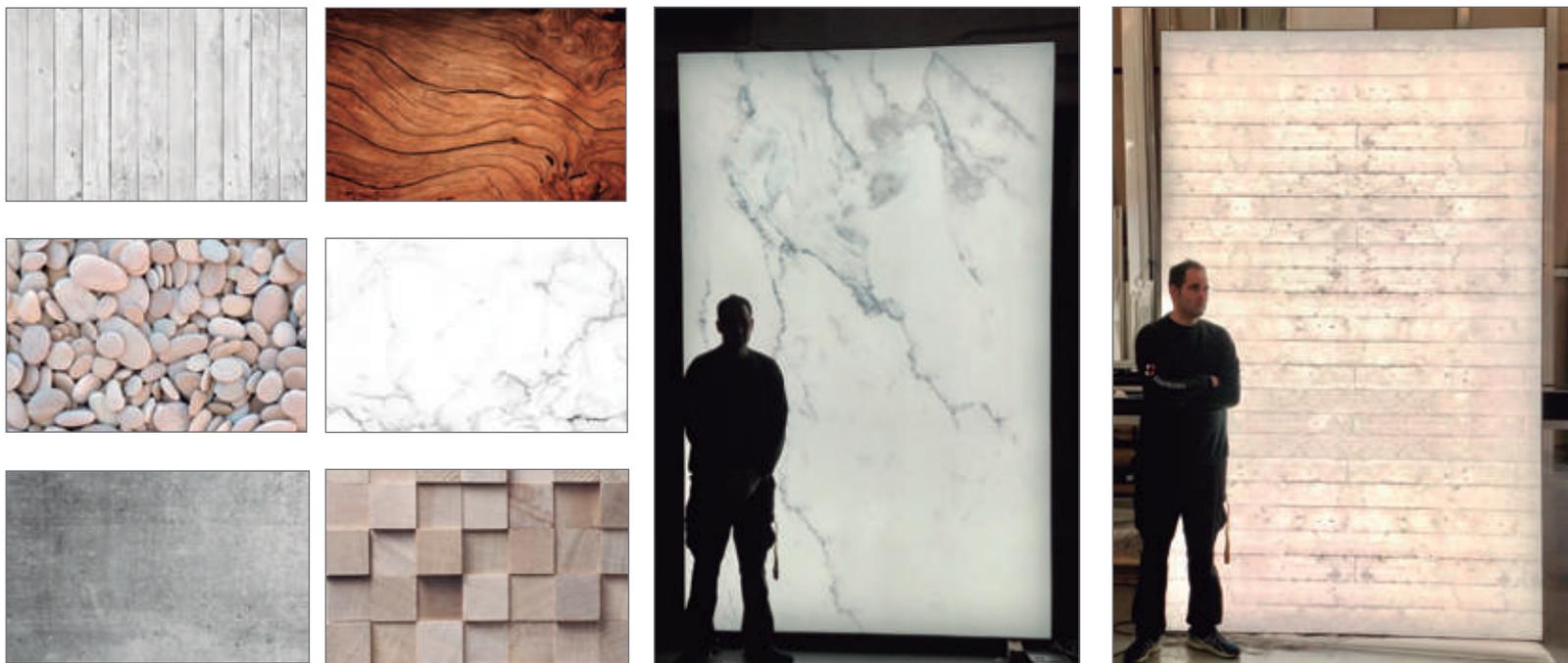
REFERENCES	SIZE	POWER	PIXELS
85.017	50x50cm	35W	175
85.018	50x100cm	70W	350
85.019	50x150cm	105W	525
85.020	50x200cm	140W	700
85.021	50x250cm	175W	875
85.022	50x300cm	210W	1.050
85.023	100x50cm	70W	350
85.024	100x100cm	140W	700
85.025	100x150cm	210W	1.050
85.026	100x200cm	280W	1.400
85.027	100x250cm	350W	1.750
85.028	100x300cm	420W	2.100



Courtesy of Protopixel

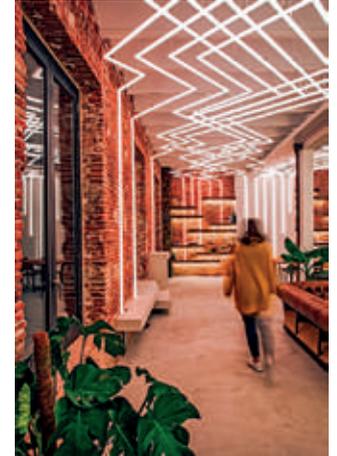
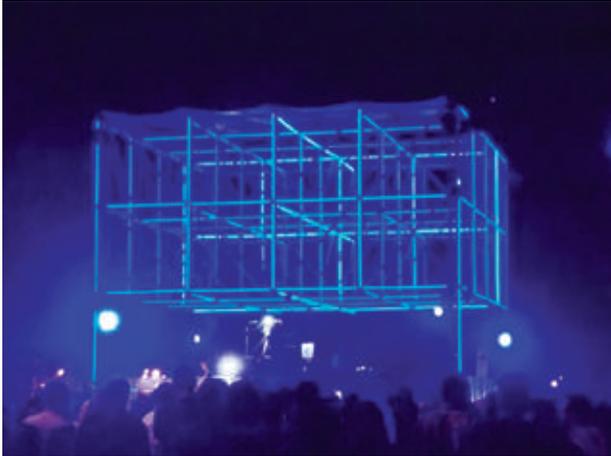


Luz Negra manufactures luminaires, which can also be personalised with textile fronts. We also supply a printing service for the front image along with various programming options for the led lighting effects.
Check with the comercial departament.



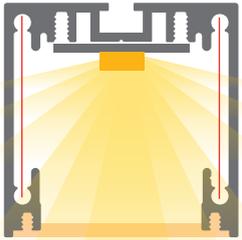
Digital linear luminaires - Made to measure

Innovation
■ made
■ in
■ Spain

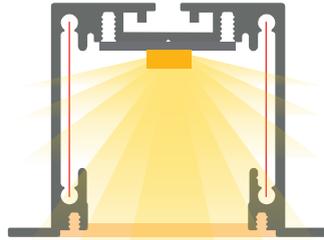


Luminaires manufactured with led profiles, containing our "Hawai" digital led strip inside. Power supply is not included as various luminaires can share the same one.

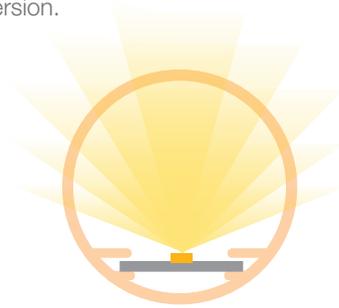
Various programs are available: standard content (many different programs to choose from) or customised programs (please check extra cost).
 Led profiles available with white covers or our Black&White version.



Múnich Mini
See page 192



Moscú Mini
See page 214



Oslo
See page 103



Versalles
See page 54

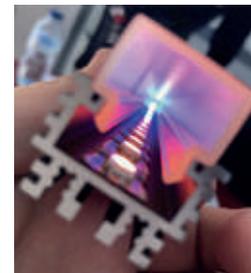


Inferno
See page 56



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) 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

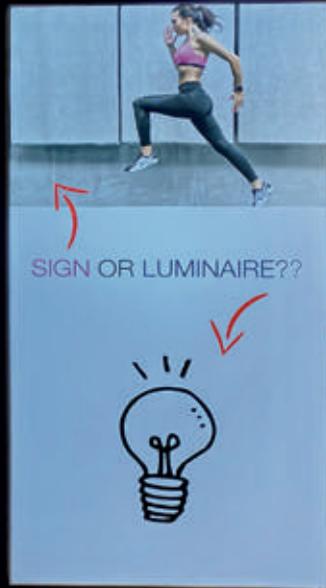
All agreements shall be construed and governed by the aforementioned terms and conditions or, failing these, they shall follow the laws covered the Spanish Commercial Code and laid down for the Spanish market.

#shinka

SHOWROOM

custom made

#ledprofile



#skyled



#digitalled

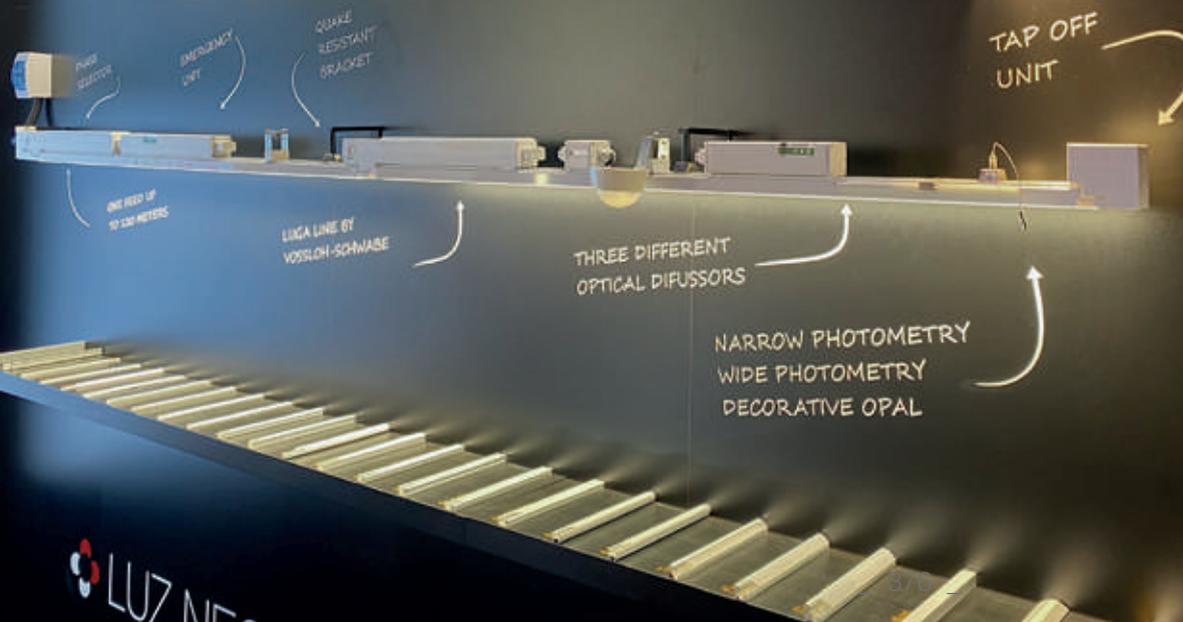


PHOTO SENSITIVE

EMERGENCY UNIT

SEISMIC RESISTANT BRACKET

TAP OFF UNIT

ONE HEAD UP TO 120 METERS

LUZ LINE BY VOSSLOH-SCHWABE

THREE DIFFERENT OPTICAL DIFFUSORS

NARROW PHOTOMETRY
WIDE PHOTOMETRY
DECORATIVE OPAL

LUZ NEGRA

370

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)

LUZ NEGRA (BARCELONA)

Polígono Industrial Can Castells
Carles Buñigues, 13
08420 Canovelles - Barcelona
Tel.: +34 938 402 598
info@luznegra.net

LUZ NEGRA CENTRO (MADRID)

Polígono los Olivos
C/ Adaptación, 27
28906 Getafe - Madrid
Tel.: +34 916 416 081
centro@luznegra.net

LUZ NEGRA FRANCE (PARIS)

113 Avenue Joffre
77450 Esbly - Paris
Tel.: +33 (0) 187 652 034
france@luznegra.net

www.luznegra.net

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APDI

Professional association of
lighting designers



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Luz Negra ecoLED