LINEA LUCE FLEX IP SIX SERIES
The flexible Led Strip Collection, Linea Luce Flex IP Six Series both IP65 and IP68, allows the realization of lighting projects for indoor and outdoor environments highlighting and modelling the light on architectural elements in a very impressive and creative way using just and only Made in Italy items.

The most important characteristics of all our items are longer life, high resistance to the corrosive agents, high ranges of temperatures of functioning from 30 up to 50 degrees. All these peculiarities allow LED ITALY to offer a very wide range of products that goes beyond the limits from changing the original brightness, avoiding yellowing or any deterioration due to the performance decay and the overheating of the silicon Strip led.

The offer of linear elements joins different and several models, vertical flexibility, horizontal flexibility which is perfect to highlight curvilinear elements.

The Transparent, Clear, Frost, Mini Line, Midi Line and Total Light series which are not encumbered, join perfectly the need to enlighten and color in a very imperceptible way. The products High Line, Side light, Recessed guarantee an absolute homogeneity of the light emission in a flexible strip.

The peculiarity of each element for its brightness, shade of light and typology of emission allows a lot of variants and types of products designed and manufactured in different size on custom request. This is fundamental even to keep the IP68 rate so that it can be used up to one meter deep in marine environments.

The Research and Development Department uses a goniophotometer set to analyze the illuminance data, the thermal tests and the performance tests in order to have important information during the experimental phase of the new prototypes and, at the same time, to check the models that are being produced throughout specific tests.

LED ITALY has developed for five years a complete portfolio with flexible linear items realizing a full range of innovative and superior products for lighting and today LED ITALY can be considered one the leader company in the international market thanks of genuine Made in Italy products. LED ITALY that has been recently certificated ISO 9001-2015 by The Bureau Veritas.
The first technical feature that characterizes the whole Strip Led Linea Luce LL Collection Range must be put in evidence because it is entirely manufactured in our Italian factory. Certified diodes are used and the match with requirements like LM80 test, TUV- UL certified and complain to EN 62447 and IEC 62778 about photo biological risk. Led Italy uses only SMD LED with selected Bin Code, with specific code and with Mac Adam 2 Step and CRI 85 or 90.

The printed circuits are designed and produced in Italy and made with a double face copper, realized in a flexible support for high level torsion resistance. Also Kapton© is the material already used on various items in our present production. The design of the PCB is finalized for the best electrical conduction along the flexible support to avoid leakage of electricity.

This allows the creation of Strip Led with length of max 40 linear meters, high quality, with an optimal level of Lumen Watt. The low electrical consumption fulfill the requirements of the most severe certifications concerning the energy savings and guarantees a very low temperatures working so that it does not require the combination with surfaces dissipating heat.

Four automated production lines for manufacturing Strip Led inside our Production Department in Italy guarantee a very high level of quality and high standards as well as an elevated production rate resulting dozens of km in a month. But what really distinguish the Collection Linea Luce Flex IP IP65-68 is the step after the PCB production. The strip is crowned in a special membrane made of PVC specifically treated to avoid deterioration in the presence of atmospheric agents.

When it is located inside the membrane, the Strip Led is worked with specific resins suitable for Led. The Peters© products are high quality, anti UV rays and no toxic resins injected in liquid form by automatic machinery during the assembling. When these resins are finally stratified they form the final product in its all different variants available in our collection Linea Luce Flex IP Sixty collection.
LINEA LUCE FLEX TRANSPARENT

Creating long-length light lines to illuminate a specific objects. The collection Linea Luce Flex Transparent IP 65-68 has been designed to create very bright and flexible linear led lights to be perfectly adapted to every curved-edge surface.

Thanks to the transparency of its component parts these models guarantee a light emission characterized by an open wide range beyond 120 degrees.

The Strip Led from this collection have been created on a PVC extrusion worked with a specific no toxic resin perfectly transparent and treated against the UV rays, with high power of resistance to environmental corrosive agents.

The specific composition of all the models make them usable and outdoor ensuring the maximum level of protection, IP68, so that they can be used in case of bad weather, in case of submersion both in indoor fountains and in swimming pools.

Each piece is composed of a variable length based on the customer’s request identified by a specific labelled serial number. The range is composed of different models because of their luminous flux and color spectrum based on the usage of the Strip Led from the latest generation of diodes, suitable for specific requirements giving different white colors, single color or dynamic RGB. For the installation, installation clips are available as well as silicon flexible outer case, waterproof connectors and power cables in case of submersion.

Product name:

LINEA LUCE LL3 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL5 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL6 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL9 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL10 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL12 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL28 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL RGB 1 FLEX TRANSPARENT IP-65-68
LINEA LUCE LL TW1 FLEX TRANSPARENT IP-65-68

Bending way: Vertical bendable
Luminous Flux: 405 - 1290 lumen/mt
Power Consumption: 5.0 - 15.5 Watt/mt
LED white-color: Warm - Natural - Cold White - Single color - RGB - Tunable White

Indoor/Outdoor  IP Rate: IP65 - IP68  UV Salt resistant  Eff. Class: A+++  Lifetime: >50,000 Hrs
As an evolution of the previous line the collection Led Italy Linea Luce Flex Clear IP IP65-68 has been designed to fulfill rays of light which are extremely visible in a flexible element characterized by an external white case. This white case drives the lighting flux throughout a more direct lighting emission with a narrow beam avoiding an unwanted lateral lighting emission giving a more comfortable view.

The specific composition of all the models make them perfectly usable indoor and outdoor ensuring the maximum level of protection, IP68.

The Linea Luce Flex Clear range has been mechanically created on a PVC extrusion worked with a specific no toxic resin perfectly transparent and treated against the UV rays, with high power of resistance to environmental saline corrosive agents.

The range is composed on different models because of their luminous flux and color spectrum, each of them suitable for any specific target.

Different white color available, single color and Full RGB. For the installation, installation clips are available as well as silicon flexible outer case, waterproof connectors and power cables in case of submersion.

Each piece is composed of a variable length based on the customer’s request identified by a specific labelled serial number.

In the catalogue different accessories are available, installation clips as well as silicon flexible outer case, waterproof connectors and power cables in case of submersion.

Product name:

LINEA LUCE LL3 FLEX CLEAR IP-65-68
LINEA LUCE LL5 FLEX CLEAR IP-65-68
LINEA LUCE LL6 FLEX CLEAR IP-65-68
LINEA LUCE LL9 FLEX CLEAR IP-65-68
LINEA LUCE LL10 FLEX CLEAR IP-65-68
LINEA LUCE LL12 FLEX CLEAR IP-65-68
LINEA LUCE LL28 FLEX CLEAR IP-65-68
LINEA LUCE LL RGB 1 FLEX CLEAR IP-65-68
LINEA LUCE LL TW1 FLEX CLEAR IP-65-68

Bending way: Vertical bendable
Luminous Flux: 410 - 1335 lumen/mt
Power Consumption: 5.0 - 15.5 Watt/mt
LED white-color: Warm - Natural - Cold White - Single color - RGB - Tunable White
As lighting specialists, we have always paid attention to the lighting linear flexible LED, and developed specific products. This peculiarity, as well as the flexibility, are elements that characterize the Collection Linea Luce Flex Frost IP65-68 made by LED Italy.

The target of this collection is outdoor and decorative elements, architectural elements, and minimal design environments covering a consistent bright effect with such a beam to avoid any lateral lighting emission giving a more comfortable view.

This item is automatically produced from a white PVC case on which a frost resin is drained. The Strip Led are treated against the UV rays, also against environmental saline corrosive agents.

Each piece is personalized based on the customer’s request identified by a specific labelled serial number. The production is entirely Made in Italy to ensure European quality requirements.

The range is composed of different models because of their luminous flux and color range temperature, each of them suitable for any specific target. Different white color available, single color and dynamic colored beam RGB.

To complete the supply, we have different white color available, single color and Full RGB. For the installation, different accessories are available such as clips as well as silicon flexible outer case, waterproof connectors both IP65 and IP68, suitable in case of submersion, IP68 rated.

**Product name:**

- LINEA LUCE LL3 FLEX FROST IP-65-68
- LINEA LUCE LL5 FLEX FROST IP-65-68
- LINEA LUCE LL6 FLEX FROST IP-65-68
- LINEA LUCE LL9 FLEX FROST IP-65-68
- LINEA LUCE LL10 FLEX FROST IP-65-68
- LINEA LUCE LL12 FLEX FROST IP-65-68
- LINEA LUCE LL28 FLEX FROST IP-65-68
- LINEA LUCE LL RGB 1 FLEX FROST IP-65-68
- LINEA LUCE LL TW1 FLEX FROST IP-65-68

**Bending way:** Vertical bendable

**Luminous Flux:** 270 - 850 lumen/mt

**Power Consumption:** 5.0 - 15.5 Watt/mt

**LED white-color:** Warm - Natural - Cold White - Single color - RGB - Tunable White

**Indoor/Outdoor**

**IP Rate:** IP65 - IP68

**UV Salt Resistant**

**Eff. Class:** A++

**LifeTime:** >50,000 Hrs

Led Italy
A uniform beam that exceed the dimensional limits typically owned by traditional Strip Led. The Collection Linea Luce Flex Total Light made by LED ITALY has got this ambitious aim giving as a result this light spread that creates a three-dimensional notion in the flexible linear element.

The frost resin white case makes this possible so that the Collection Linea Luce Total Light are perfect on architectural environments and on coordinated structures of design.

The specificity of the components such as a white PVC case on which a frost resin is drained, creates a flexible linear element which is perfect indoor specially on furniture.

The Strip Led low temperature does not require any heatsink so it can be installed even on wooden and on ordinary flammable surfaces, too.

Thanks of its IP rate they can be used also in outdoor installation without any problem, even in submersion up to one meter deep, according to IP68 rules.

The collection offers different and various models according to the luminous flux and color spectrum. They are all equipped with high efficiency diodes, each of them suitable for any specific kind of lighting. There are several models available in different white colors, single color and Full RGB.

Each piece is personalized based on the customer’s request identified by a specific labelled serial number. In our catalogue there are different accessories available such as clips, silicon flexible outer case, waterproof connectors and power cables in case of submersion.

**Product name:**

**LINEA LUCE LL9 FLEX TOTAL LIGHT IP-65-68**

**LINEA LUCE LL10 FLEX TOTAL LIGHT IP-65-68**

**Bending way:** Vertical bendable

**Luminous Flux:** 505 - 860 lumen/mt

**Power Consumption:** 8.0 - 11.0 Watt/mt

**LED white-color:** Warm - Natural - Cold White

**INDOOR/OUTDOOR** IP RATE: IP65 - IP68 UV SALT RESISTANT EFF. CLASS: A ++ LIFETIME: >50.000 HRS
A new series of Linea Luce Flex IP65-68 is the Mini Line series. This is latest release of the large portfolio products of Led Italy flexible collection Strip Led.

Lighting but in the meantime to be not recognized, this was the target for our engineers that create this new collection of Strip Led the Mini Line as Lighting Consultant asked us.

A very thin case, only 8 millimeters size, but able to contain our Led Strips inside. This is our goal.

The architects and Designer admire this so thin product. They can use it in design applications where the main requirement is for a not invasive linear system of light. Our Mini Line help them to join the light in a design contest.

This item is automating produced from a white PVC case on which a frost resin is drained. The Strip Led are treated against the UV rays, with high power of resistance to Environmental saline corrosive agents.

Each piece is personalized based on the customer’s request, and this is our main important key point. All products manufactured are identified by a specific labelled serial number.

Specific versions of the product are common available, with different kind of white light, frost resin and white, black or frost case.

In our catalogue there are different accessories available such as clips, silicon flexible outer case, waterproof connectors and power cables in case of submersion.

**Product name:**

**LINEA LUCE LL9 FLEX MINI LINE IP-65-68**  
**LINEA LUCE LL10 FLEX MINI LINE IP-65-68**

**Bending way:** Vertical bendable

**Luminous Flux:** 310 - 475 lumen/mt

**Power Consumption:** 8.0 - 11.0 Watt/mt

**LED white-color:** Warm - Natural - Cold White

**Indoor/Outdoor**  
**IP Rate:** IP65 - IP68  
**UV Salt resistant**  
**Eff. Class:** A ++  
**LifeTime:** >50.000 Hrs
LINEA LUCE FLEX MINI SIDE LIGHT

That's to minimize size and to maximize the flux. These are key points of Linea Luce Flex Mini Side Light IP 65-68. Designers and Architects who work since long time in partnership with LED ITALY appreciate a lot the newest Linea Luce Flex Mini Side Light IP 65-68, horizontal bendable with a so thin case, and thanks to its peculiarity allows to create luminous inserts even in minimal design contexts.

Thanks to an accurate and particular manufacturing of the Frost resin, the Linea Luce Flex Mini Side Light Strip Led IP65-68 collection have got high uniformity rate of light without any pointed light influence.

The Strip Led low temperature does not require any heatsink so it can be installed even on wooden and on ordinary flammable surfaces. At the same time they assure a protection rate suitable for indoor and outdoor installations.

The collection offer specific and various models according to the luminous flux. There are different shades of white color: Warm White, Natural White and Cold White.

Each piece is personalized in its length based on the customer’s request and it is identified by a specific labelled serial number. The production is entirely Made in Italy.

In our portfolio there are different accessories available such as clips, waterproof connectors and power cables, both indoor and outdoor. A wide range of controllers are available for home automation installations.

Product name:

LINEA LUCE LL9 FLEX MINI SIDE LITE IP-65-68
LINEA LUCE LL10 FLEX MINI SIDE LITE IP-65-68

Bending way: Horizontal bendable
Luminous Flux: 330 - 580 lumen/mt
Power Consumption: 8.0 - 11.0 Watt/mt
LED white-color: Warm - Natural - Cold White

Indoor/Outdoor  IP Rate: IP65 - IP68  UV Salt resistant  Eff. Class: A++  LifeTime: >50.000 Hrs
The collection Linea Luce Flex Midi Line IP65-68 collects entirely the concept of the classical flex luminous curved-edge neon in a new Solid State technological vision.

The new Midi Line is a long-length light line which can express its great uniformity and perfection without any shade. It is a flexible membrane perfectly suitable for multiple installations thanks to its powerful bright light.

This collection is definitely the perfect decorative component both inside surroundings and outside areas, and thanks of its IP rate they can be used in outdoor installation without any problem, even in case of bad weather and also in case of submersion up to one meter deep, according to IP68 rules.

All of strip Led are manufactured in automated production lines in Italy and worked with a specific no toxic frost resin and specifically treated against the UV rays with high power of resistance to environmental corrosive agents and to the weathering effects.

Each element can be personalized according to dimensions identified by specific labelled serial number. The range is composed of different models because of their luminous flux and also colour temperature in order to match with a the specific lighting requirement. Different CCT are available from Warm White to Cold White.

The collection includes different accessories for the installation such as clips, silicon flexible outer case, waterproof connectors and power cables in case of submersion in coloured water.

Product name:

LINEA LUCE LL9 FLEX MIDI LINE IP-65-68
LINEA LUCE LL10 FLEX MIDI LINE IP-65-68

Bending way: Vertical bendable
Luminous Flux: 310 - 420 lumen/mt
Power Consumption: 8.0 - 11.0 Watt/mt
LED white-color: Warm - Natural - Cold White

INDOOR/OUTDOOR  IP Rate: IP65 - IP68  UV SALT RESISTANT  EFF. CLASS: A ++  LIFE TIME: >50,000 HRS
LINEA LUCE FLEX MIDI SIDE LIGHT

A very smooth luminous flux in a horizontal bendable Led strip is the result of new Linea Light Flex Midi Side Light collection. These models are characterized by an absolute uniformity of the light in given by an optimized internal reflection effect.

Specific requirements to obtain the best result among light output, beam uniformity and compactness are key points characterizing the project for this new product line.

As a matter of fact this new collection integrates our products portfolio in horizontal bending flexible Led strips, allowing our customer to choose the most suitable model according lighting requirements as for as size of the fixture. That is an important fact to consider in architectural projects.

Linea Luce Flex Mini Side Light is manufactured both IP65 versions suitable for outdoor environments and IP68 rated for underwater use. On request it is also available a specific version for chlorinated water made with an appropriate power cable.

All products have custom length size as for as different shades of lights, Warm, Natural or Cold White. They are also suitable for wood installation or normally flammable surfaces as required in commercial or residential installations.

Each single product is manufactured in automated production lines and it has got a serial number label for its recognition and classification.

The catalog includes several accessories both indoor and outdoor installation including home automation device for integrate building management.

Product name:

LINEA LUCE LL9 FLEX MIDI SIDE LIGHT IP-65-68
LINEA LUCE LL10 FLEX MIDI SIDE LIGHT IP-65-68

Bending way: Horizontal bendable
Luminous Flux: 270-490 lumen/mt
Power Consumption: 8.0 - 11.0Watt/mt
LED white-color: Warm - Natural - Cold White
LINEA LUCE FLEX MIDI TOTAL LIGHT

The perfect uniformity expressed by the luminous flux overcrossing the regular dimensional limits of the ordinary strip led. Simply the best result for flexible outdoor linear lights thanks of new millennium technology.

Linea Luce Midi Flex Total Line Collection manufactured by LED ITALY revisits the theme of flexibility in the environment with full length elements already known and tested last century using the traditional technologies (by cold cathod) now renewed by Led light.

The thicker Frost membrane as all the other elements of the collection joining a Frost resin of the same type, together make their contribution to the spread of the light itself. Flexible resin Strips Led of the collection Linea Luce Flex Midi Total Light turn into real furniture decorations.

The collection offers different and various models according to the luminous flux and color spectrum so all of different lighting requirements can be achieved.

They are all equipped with internal strip led and high efficiency diodes in various and different tones of emission, bright white, from the warmest colours to the coldest ones.

Each piece, being personalized, is produced varying its length and it is identified by a specific labelled serial number. In our catalogue there are different accessories available for the installation such as clips, silicon flexible outer case, waterproof connectors and power cables in case of submersion in coloured water.

Product name:

LINEA LUCE LL9 FLEX MIDI TOTAL LIGHT IP-65-68
LINEA LUCE LL10 FLEX MIDI TOTAL LIGHT IP-65-68

Bending way: Vertical bendable
Luminous Flux: 430 - 750 lumen/mt
Power Consumption: 8.0 - 11.0 Watt/mt
LED white-color: Warm - Natural - Cold White

INDOOR/OUTDOOR IP Rate: IP65 – IP68 UV SALT RESISTANT Eff. Class: A++ LifeTime: >50,000 Hrs
LINEA LUCE FLEX HIGH LINE TOTAL LIGHT

The Linea Luce Flex High Line Total Light collection is characterized by an excellent diffusion of the light on the surface with a wide opening beam that generates three-dimensional perception in a flexible linear element.

These details characterize all of Linea Luce High Line Total Light models in which the opal finishing outer case combined with a frost resin help to create a collection of flexible Led Strips ideal for architectural areas and installation in design ambients thanks to the perception of a total light in a flexible element.

The peculiarity of all components, like the high efficiency Led strip, a specific PVC case, the two component polyurethane resin, create a flexible linear element perfect for indoor use. The encapsulated construction ensures a safety use even in outdoor environments fixtures are IP65 or IP68 rated. The low operating temperature of the internal LED Strip, which does not require a dissipating element also allows installation of the products on wood or normally inflammable surfaces.

Our portfolio includes several models with different luminous flux and color temperature. All of them are equipped with our model of LED Strip made with high efficiency diodes. Each piece is custom made, and is distinguished by a specific serial number that allows traceability.

In the catalogue You can find several installation accessories like harmonic steel clips, a flexible silicon outer case, waterproof connectors for outdoor electrical connections and a specific power cable for use in chlorinated water. Available on request drivers and dimmers.

Product name:

LINEA LUCE LL5 FLEX HIGH LINE TOTAL LIGHT LIGHT  IP65-IP68
LINEA LUCE LL9 FLEX HIGH LINE TOTAL LIGHT LIGHT  IP65-IP68
LINEA LUCE LL10 FLEX HIGH LINE TOTAL LIGHT LIGHT  IP65-IP68
LINEA LUCE LL27 FLEX HIGH LINE TOTAL LIGHT LIGHT  IP65-IP68
LINEA LUCE LL28 FLEX HIGH LINE TOTAL LIGHT LIGHT  IP65-IP68

Bending way: Vertical bendable
Luminous Flux: 140 - 505 lumen/mt
Power Consumption: 6.0 - 11.0 Watt/mt
LED white-color: Warm - Natural - Cold White - Single color
The perfect uniformity expressed by the flux and the great perfection spreading the light on the surface inside a single flexible element. This description characterizes the Strip Led of the collection Linea Luce Flex High Line IP IP65-68 by LED ITALY.

They are produced with a special membrane made of PVC specifically treated on which PBC lays. Strip Led Linea Luce High are treated with frost resin to give much more uniformity on the flux of light and at the same time assures a protection degree suitable for the external installations, IP65 and IP68 rated.

The Strip Led low temperature does not require any heatsink so it can be installed even on wooden and on ordinary flammable surfaces as well as on accessories.

The collection offers different and various models according to the luminous flux and color spectrum. They are all equipped with high efficiency diodes.

There are several models available in different white range colors, single color, Full RGB and RGB dynamic. Linea Luce Flex High Line IP IP65-68 is also available with a very Warm White Color Temperature, 2400K and 2900K.

Each piece is personalized in its length based on the customer’s request and it is identified by a specific labelled serial number.

In our catalogue there are different accessories available such as clips, linear aluminum outer case profile, waterproof connectors, both IP65 and IP68, power cables for outdoor use.

**Product name:**

LINEA LUCE LL5 FLEX HIGH LINE IP-65-68  
LINEA LUCE LL9 FLEX HIGH LINE IP-65-68  
LINEA LUCE LL10 FLEX HIGH LINE IP-65-68  
LINEA LUCE LL 27 FLEX HIGH LINE IP-65-68  
LINEA LUCE LL28 FLEX HIGH LINE IP-65-68

**Bending way:** Vertical bendable  
**Luminous Flux:** 130 - 260 lumen/mt  
**Power Consumption:** 6.0 - 11.0 Watt/mt  
**LED white-color:** Warm - Natural - Cold White - Single color

**Indoor/Outdoor** IP Rate: IP55 – IP68  
**UV Salt resistant**  
**Eff. Class:** A ++  
**LifeTime:** >50,000 HRS
Flexible Led Strip with horizontal bending, uniform flux of light, no small spot effect. In a few words these are the key words to describe Led Italy Linea Flex Luce Side Light Emission IP65-68 collection which perfectly joins the concept of signs of light on horizontal surfaces in any shape.

The technical production of horizontal bending flexible strip is the result of five years’ of research and study. The strip is composed on a PVC case and inside a guide line for the right positioning of the PCB.

Strip Led Linea Luce Flex Side Light IP65-68 have been worked with a specific no toxic frost resin which gives great uniformity to the lighting emission and at the same time it gives a high protection in case of external installations, IP65 and IP68 rated.

The Strip Led low temperature does not require any heatsink so it can be installed even on wooden and on ordinary flammable surfaces as well as on accessories.

The collection offers different and various models according to the luminous flux and color spectrum. There are different shades of white color, single color, Full RGB and white dynamic.

Each piece is personalized in its length based on the customer’s request and it is identified by a specific labelled serial number.

In our catalogue there are different accessories available such as clips, silicon flexible clips, waterproof connectors and power cables in case of submersion.

**Product name:**

**LINEA LUCE LL5 FLEX SIDE LIGHT EMISSION IP65-IP68**

**LINEA LUCE LL9 FLEX SIDE LIGHT EMISSION IP65-IP68**

**LINEA LUCE LL10 FLEX SIDE LIGHT EMISSION IP65-IP68**

**LINEA LUCE LL27 FLEX SIDE LIGHT EMISSION IP65-IP68**

**LINEA LUCE LL28 FLEX SIDE LIGHT EMISSION IP65-IP68**

**Bending way:**

Vertical bendable

**Luminous Flux:**

120 - 270 lumen/mt

**Power Consumption:**

6.0 - 11.0 Watt/mt

**LED white-color:**

Warm - Natural - Cold White - Single color

**Indoor/Outdoor**

**IP Rate:** IP65 – IP68

**UV Salt resistant**

**Eff. Class:** A ++

**LifeTime:** >50,000 Hrs
LINEA LUCE FLEX DOT RGB HIGH LINE

The lighting dynamism is an important opportunity to create new architectural scenarios. Led Italy in team with Lighting designers realized a new collection of LED strips with the latest technology in solid state.

Thanks of a specific diode and using the Digital Signage technology, We are able to create the dynamic light in a strip. Our new model Linea Luce Flex DOT RGB Flex High Line is the right product both indoor and outdoor environments IP65-IP68.

This strip is front side emission, vertical bendable and it is equipped with DOT FULL RGB LED diodes directly and individually addressable by external driver. The programming is done through dedicated software or using specific controllers.

All LED Strip are manufactured with automated production lines starting from LED DOT strip housed in a PVC case with a full resin processing. The Linea Luce LL 144 DOT Flex High Line IP65-68 strips have UV protection and high resistance to the corrosive action of salt and others external atmospheric agents.

Designed for the scenography, television and architectural applications, thanks also its flexibility and the customization in length in every single piece all of LED strips are our genuine production Made in Italy with a specific label including serial number helps its recognition.

Several related products are available, both drivers for the digital signage control and programming tools or software. The installation accessories for indoor or outdoor installations are available in the catalogue.

Product name:

LINEA LUCE LL144 DOT FLEX HIGH LINE IP65-IP68

Bending way: Vertical bendable
Luminous Flux: Dynamic RGB, single DOT addressable
Power Consumption max: 36 Watt/mt
LED white-color: LED DOT Full RGB

Indoor/Outdoor   IP Rate: IP65 – IP68  UV Salt resistant   Eff. Class: A ++   LifeTime: >50.000 Hrs
The new lighting frontier is the union between color and dynamic movement. Together they may create new scenographic light values as dynamic visual signs, capable to send impressive messages.

Led Italy has created an amazing and innovative range of flexible linear products both for indoor and outdoor environments IP65 or IP68 rated using the Digital Signage technique. Each single fixture is based on a LED strip equipped with DOT FULL RGB LED diodes directly and individually addressable by external controllers. The programming is done through dedicated software.

Another key point is its flexibility. The strip is a side light emission, horizontal bendable. Now it is possible to create dynamic lighting scenographies characterized by luminous dynamic light in a flexible linear strip, with a homogenous diffusion of colors over the entire emission surface.

LED Strip are manufactured with automated production lines starting from LED DOT strip housed in a PVC case on which a polyurethane resin is cast. The Linea Luce LL 144 DOT Flex Side Light LED strips have UV protection and high resistance to the corrosive action of salt and external atmospheric agents.

Every single product is made in our facilities with customization in length and specific label including serial number.

Several related products are available, both drivers for the digital signage control and programming tools or software.

**Product name:**

**LINEA LUCE LL144 DOT FLEX SIDE LIGHT IP65- IP68**

**Bending way:** Horizontal bendable  
**Luminous Flux:** Dynamic RGB, single DOT addressable  
**Power Consumption max:** 36 Watt/mt  
**LED white-color:** LED DOT Full RGB

**INDOOR/OUTDOOR**  
**IP Rate:** IP65 - IP68  
**UV Salt resistant**  
**Eff. Class:** A ++  
**LifeTime:** >50.000 Hrs

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Today the linear lighting emission is being thought even for realizing signs of light on ceilings and on drywall surfaces customized and easy to install.

The collection Linea Luce Flex Recessed IP IP65-68 allows to use flexible resin products for recessed light installation on different surfaces keeping the most fundamental prerogative that is the uniformity of light and the total absence of the so common spot effect.

The specific recessed case has a “T” shape that allows a precise positioning and a fast mounting of linear elements that can create visual compositions according to the personal creativity.

The Strip Led Linea Luce Flex Recessed collection has been treated with frost resin which gives great uniformity to the lighting emission and at the same time it gives a high protection, IP65 and IP68 rated.

The Strip Led low temperature does not require any heatsink so it can be installed even on wooden and on ordinary flammable surfaces.

The collection offers different and various models according to the luminous flux and color spectrum, giving an high range of opportunities.

They are all equipped with high efficiency diodes. There are different shades of white color including a very Warm White, 2400 - 2900K. Single primary Led color, Full RGB and white dynamic are also available.

Each piece is personalized in its length based on the customer’s request and it has got a specific labelled serial number.
LINEA LUCE FLEX COLOR

That’s to characterize all the colors, to enlighten with accent lighting the flexible elements, to create signs of light which are visible. The importance of matching color and lighting emission is the basis of the Linea Luce Flex Colour IP65-68.

They are suitable for interiors and external environments both decorative and architectural. All the Strip Led from this collection put in evidence daytime location in which they are positioned meanwhile they radiate their coloured light in the evening and also during nighttime.

This item is automating produced from a white PVC case on which a frost resin is drained. The Strip Led are treated against the UV rays, with high power of resistance to environmental saline corrosive agents and to external weather conditions.

LED ITALY personalizes every product according to different size and it is identified by a specific labelled serial number.

The range collection offers different and various models according to the luminous flux and color spectrum, each of them suitable for any specifications.

They are all available in these versions: Frost, High Line, Recessed and side Light. All of them are the perfect items for any personalized choice facing the most different necessities.

In our catalogue there are different accessories available for a suitable installation related to every single item such as clips, silicon flexible outer case, waterproof connectors and power cables for outdoor use.

Product name:

LINEA LUCE LL3 FLEX FROST COLOR IP-65-68
LINEA LUCE LL5 FLEX FROST COLOR IP-65-68
LINEA LUCE LL6 FLEX FROST COLOR IP-65-68
LINEA LUCE LL27 FLEX HIGH LINE COLOR IP-65-68
LINEA LUCE LL28 FLEX HIGH LINE COLOR IP-65-68
LINEA LUCE LL27 FLEX SIDE LIGHT COLOR IP-65-68
LINEA LUCE LL28 FLEX SIDE LIGHT COLOR IP-65-68
LINEA LUCE LL27 FLEX RECESSED COLOR IP-65-68
LINEA LUCE LL28 FLEX RECESSED COLOR IP-65-68

Bending way: Horizontal/Vertical bendable
Power Consumption: 5.0 - 11.0 Watt/mt
LED color: Primary Red, Green, Blu, Amber light

Indoor/Outdoor IP Rate: IP65 – IP68 UV Salt resistant Eff. Class: A ++ Lifetime: >50.000 Hrs
## TECHNICAL SPECIFICATION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LED</th>
<th>Nr-Mt.</th>
<th>Lumens</th>
<th>LED White CCT</th>
<th>LED Single Color</th>
<th>Resin - Case</th>
<th>Dimensions</th>
<th>Watt</th>
<th>Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINEA LUCE LL FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>60 mt.</td>
<td>425 lm-mt 405 lm-mt 455 lm-mt 400 lm-mt</td>
<td>Warm White 3650K Cold White 5700K Ice White 8450K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>5.0W mt.</td>
<td>12.24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>100 mt.</td>
<td>500 lm-mt 500 lm-mt 505 lm-mt 515 lm-mt</td>
<td>Warm White 3350K Natural White 4000K Cold White 6050K Ice White 7500K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>6.0W mt.</td>
<td>12.24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>120 mt.</td>
<td>765 lm-mt 675 lm-mt 630 lm-mt</td>
<td>Warm White 3400K Natural White 3900K Cold White 6150K Ice White 9850K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>12.24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>780 lm-mt 685 lm-mt 735 lm-mt 700 lm-mt</td>
<td>Warm White 3350K Natural White 4400K Cold White 6450K Ice White 7900K</td>
<td>Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>24Vdc</td>
<td></td>
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<tr>
<td>LINEA LUCE LL10 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>1065 lm-mt 1050 lm-mt 1120 lm-mt</td>
<td>Warm White 3500K Natural White 3900K Cold White 6000K Ice White 7500K</td>
<td>Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W mt.</td>
<td>24Vdc</td>
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<tr>
<td>LINEA LUCE LL12 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>240 mt.</td>
<td>1280 lm-mt 1140 lm-mt</td>
<td>Warm White 3500K Natural White 4100K Cold White 5900K Ice White 7300K</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W mt.</td>
<td>12.24Vdc</td>
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<tr>
<td>LINEA LUCE LL27 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>910 lm-mt 840 lm-mt 800 lm-mt</td>
<td>Warm White 3750K Natural White 4400K Cold White 6250K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>1145 lm-mt 1100 lm-mt</td>
<td>Warm White 3750K Natural White 4450K Cold White 6250K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W mt.</td>
<td>24Vdc</td>
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<tr>
<td>LINEA LUCE LL RGB FLEX TRANSPARENT IP65-68</td>
<td>SMD PLCC2 FULL RGB</td>
<td>60 mt.</td>
<td>660 lm-mt</td>
<td>Not available</td>
<td>Full RGB</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>15.5W mt.</td>
<td>12.24Vdc</td>
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<tr>
<td>LINEA LUCE LL TW1 FLEX TRANSPARENT IP65-68</td>
<td>SMD 3014</td>
<td>60+60 mt.</td>
<td>1050 lm-mt</td>
<td>Tunable White Min.3300K Max.8400K</td>
<td>Not available</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W mt.</td>
<td>12Vdc</td>
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<tbody>
<tr>
<td>LINEA LUCE LL3 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>60 mt.</td>
<td>450 lm-mt 420 lm-mt 465 lm-mt 410 lm-mt</td>
<td>Warm White 3550K Natural White 4200K Cold White 5500K Ice White 8150K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>5.0W mt.</td>
<td>12.24Vdc</td>
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<tr>
<td>LINEA LUCE LL5 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>100 mt.</td>
<td>505 lm-mt 495 lm-mt 500 lm-mt 480 lm-mt</td>
<td>Warm White 3450K Natural White 3900K Cold White 5850K Ice White 7200K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>6.0W mt.</td>
<td>12.24Vdc</td>
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</tr>
<tr>
<td>LINEA LUCE LL6 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>120 mt.</td>
<td>720 lm-mt 655 lm-mt</td>
<td>Warm White 3350K Natural White 3700K Cold White 6000K Ice White 9050K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>12.24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>670 lm-mt 685 lm-mt 660 lm-mt 645 lm-mt</td>
<td>Warm White 3350K Natural White 4350K Cold White 6050K Ice White 7600K</td>
<td>Not available</td>
<td>Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>24Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>935 lm-mt 965 lm-mt 925 lm-mt 963 lm-mt</td>
<td>Warm White 3400K Natural White 3750K Cold White 5700K Ice White 7550K</td>
<td>Not available</td>
<td>Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W mt.</td>
<td>24Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL12 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>240 mt.</td>
<td>1180 lm-mt 1120 lm-mt</td>
<td>Warm White 3450K Natural White 3850K Cold White 5750K Ice White 7300K</td>
<td>Not available</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W mt.</td>
<td>12.24Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX CLEAR IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>870 lm-mt 880 lm-mt 780 lm-mt</td>
<td>Warm White 3750K Natural White 4400K Cold White 6250K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W mt.</td>
<td>24Vdc</td>
<td></td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX CLEAR IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>1025 lm-mt 1045 lm-mt</td>
<td>Warm White 3750K Natural White 4400K Cold White 6250K</td>
<td>Red - Green Blue - Amber Transparent case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W mt.</td>
<td>24Vdc</td>
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<tr>
<td>LINEA LUCE LL RGB FLEX CLEAR IP65-68</td>
<td>SMD PLCC2 FULL RGB</td>
<td>60 mt.</td>
<td>660 lm-mt</td>
<td>Non disponibile FULL RGB</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>15.5W mt.</td>
<td>12.24Vdc</td>
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<tr>
<td>LINEA LUCE LL TW1 FLEX CLEAR IP65-68</td>
<td>SMD 3014</td>
<td>60+60 mt.</td>
<td>1250 lm-mt</td>
<td>Tunable White Min.3300K Max.8400K</td>
<td>Not available</td>
<td>Transparent case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W mt.</td>
<td>12Vdc</td>
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<td>Product Name</td>
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<tr>
<td>LINEA LUCE LL3 FLEX FROST IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>60 mt.</td>
<td>340 lm-mt 325 lm-mt 280 lm-mt 340 lm-mt</td>
<td>Warm White 3050K Warm White 3550K Natural White 6000K Cold White 6250K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>5.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL5 FLEX FROST IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>100 mt.</td>
<td>270 lm-mt 285 lm-mt 410 lm-mt 310 lm-mt</td>
<td>Warm White 2800K Warm White 3350K Natural White 4550K Cold White 5650K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>6.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL6 FLEX FROST IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>120 mt.</td>
<td>495 lm-mt 475 lm-mt 535 lm-mt 485 lm-mt</td>
<td>Warm White 2900K Warm White 3200K Natural White 4600K Cold White 6400K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>8.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX FROST IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>415 lm-mt 415 lm-mt 445 lm-mt 450 lm-mt</td>
<td>Warm White 2900K Warm White 3250K Natural White 4800K Cold White 5950K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX FROST IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>620 lm-mt 570 lm-mt 590 lm-mt 620 lm-mt</td>
<td>Warm White 2850K Warm White 3150K Natural White 4350K Cold White 5500K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL12 FLEX FROST IP65-68</td>
<td>SMD 3014</td>
<td>240 mt.</td>
<td>750 lm-mt 830 lm-mt 850 lm-mt 730 lm-mt</td>
<td>Warm White 2850K Warm White 3250K Natural White 4450K Cold White 5550K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL17 FLEX FROST IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>465 lm-mt 500 lm-mt 490 lm-mt 420 lm-mt</td>
<td>Warm White 2900K Warm White 3200K Natural White 4200K Cold White 6000K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W-nt.</td>
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<tr>
<td>LINEA LUCE LL28 FLEX FROST IP65-68</td>
<td>SMD 3030</td>
<td>108 mt.</td>
<td>640 lm-mt 695 lm-mt 670 lm-mt 580 lm-mt</td>
<td>Warm White 2900K Warm White 3300K Natural White 4250K Cold White 6050K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W-nt.</td>
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<tr>
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<td>SMD PLCC2 FULL RGB</td>
<td>60 mt.</td>
<td>390 lm-mt</td>
<td>Not available</td>
<td>FULL RGB</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>15.5W-nt.</td>
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<tr>
<td>LINEA LUCE LL TW FLEX FROST IP65-68</td>
<td>SMD 3014</td>
<td>60+60 mt.</td>
<td>950 lm-mt</td>
<td>Tunable White Min. 3300K Max. 8400K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case</td>
<td>L=14.0 mm. H=6.5 mm.</td>
<td>13.0W-nt.</td>
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<tbody>
<tr>
<td>LINEA LUCE LL9 FLEX TOTAL LIGHT IP 65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>505 lm-mt 545 lm-mt 535 lm-mt 590 lm-mt</td>
<td>Warm White 2950/3250K Natural White 3050K Cold White 3950K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>Opal case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>8.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX TOTAL LIGHT IP 65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>860 lm-mt 760 lm-mt 800 lm-mt 850 lm-mt</td>
<td>Warm White 2950/3200K Natural White 4700K Cold White 5950K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>Opal case</td>
<td>L=9.5 mm. H=6.5 mm.</td>
<td>11.0W-nt.</td>
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<tr>
<td>LINEA LUCE LL9 FLEX MINI LINE IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>310 lm-mt 335 lm-mt 310 lm-mt 330 lm-mt</td>
<td>Warm White 2700/3150K Natural White 4350K Cold White 5350K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case Black case RAL colour case</td>
<td>L=8.0 mm. H=9.5 mm.</td>
<td>8.0W-nt.</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX MINI LINE IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>430 lm-mt 450 lm-mt 475 lm-mt 475 lm-mt</td>
<td>Warm White 2950/3550K Natural White 4300K Cold White 5200K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case Black case RAL colour case</td>
<td>L=8.0 mm. H=9.5 mm.</td>
<td>11.0W-nt.</td>
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<tr>
<td>LINEA LUCE LL9 FLEX MINI SIDE LIGHT IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>400 lm-mt 330 lm-mt 330 lm-mt 330 lm-mt</td>
<td>Warm White 2850/3250K Natural White 4400K Cold White 5400K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case Black case RAL colour case</td>
<td>L=8.0 mm. H=9.5 mm.</td>
<td>8.0W-nt.</td>
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<tr>
<td>LINEA LUCE LL10 FLEX MINI SIDE LIGHT IP65-68</td>
<td>SMD 3014</td>
<td>204 mt.</td>
<td>455 lm-mt 485 lm-mt 580 lm-mt 470 lm-mt</td>
<td>Warm White 2750/3200K Natural White 4400K Cold White 5200K</td>
<td>Not available</td>
<td>Frost resin</td>
<td>White case Black case RAL colour case</td>
<td>L=8.0 mm. H=9.5 mm.</td>
<td>11.0W-nt.</td>
</tr>
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<td>Product Name</td>
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<tr>
<td>LINEA LUCE LL9 FLEX MID LINE IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>310 lm-mt 335 lm-mt</td>
<td>Warm White 2950K</td>
<td>Natural White 3500K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=10.0 mm. H=11.0 mm.</td>
<td>6.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX MID LINE IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>390 lm-mt 420 lm-mt</td>
<td>Warm White 2700K</td>
<td>Natural White 4300K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=10.0 mm. H=11.0 mm.</td>
<td>11.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL5 FLEX HIGH LINE IP65-68</td>
<td>SMD 3013</td>
<td>100-mt.</td>
<td>130 lm-mt 130 lm-mt</td>
<td>Warm White 2650K</td>
<td>Natural White 3550K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>6.0W-mt.</td>
</tr>
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<td>LINEA LUCE LL9 FLEX HIGH LINE IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>170 lm-mt 185 lm-mt</td>
<td>Warm White 2650K</td>
<td>Natural White 3800K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>8.0W-mt.</td>
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<tr>
<td>LINEA LUCE LL10 FLEX HIGH LINE IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>240 lm-mt 250 lm-mt</td>
<td>Warm White 2500K</td>
<td>Natural White 3650K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>11.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX HIGH LINE IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>150 lm-mt 142 lm-mt</td>
<td>Warm White 2700K</td>
<td>Natural White 3550K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>8.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX HIGH LINE IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>275 lm-mt 260 lm-mt</td>
<td>Warm White 2700K</td>
<td>Natural White 3550K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>11.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL5 FLEX HIGH LINE TOTAL LIGHT IP 65-68</td>
<td>SMD 3014</td>
<td>PLCC2</td>
<td>130 lm-mt 125 lm-mt</td>
<td>Warm White 2650K</td>
<td>Natural White 3550K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>6.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX HIGH LINE TOTAL LIGHT IP 65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>180 lm-mt 185 lm-mt</td>
<td>Warm White 2950K</td>
<td>Natural White 4300K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>8.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX HIGH LINE TOTAL LIGHT IP 65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>450 lm-mt 460 lm-mt</td>
<td>Warm White 2950K</td>
<td>Natural White 4700K</td>
<td>Not Available</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>11.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX HIGH LINE TOTAL LIGHT IP 65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>250 lm-mt 255 lm-mt</td>
<td>Warm White 2950K</td>
<td>Natural White 4700K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>8.0W-mt.</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX HIGH LINE TOTAL LIGHT IP 65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>495 lm-mt 505 lm-mt</td>
<td>Warm White 2800K</td>
<td>Natural White 5150K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin</td>
<td>L=16.0 mm. H=19.0 mm.</td>
<td>11.0W-mt.</td>
</tr>
<tr>
<td>Product Name</td>
<td>LED</td>
<td>Nr-Mt.</td>
<td>Lumens</td>
<td>LED White CCT</td>
<td>LED Single Color</td>
<td>Resin - Case</td>
<td>Dimensions</td>
<td>Watt</td>
<td>Volt</td>
</tr>
<tr>
<td>--------------</td>
<td>-----</td>
<td>--------</td>
<td>--------</td>
<td>---------------</td>
<td>-----------------</td>
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<td>------------</td>
<td>------</td>
<td>------</td>
</tr>
<tr>
<td>LINEA LUCE LL5 FLEX SIDE LIGHT IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>100-mt.</td>
<td>120 lm-mt</td>
<td>110 lm-mt</td>
<td>130 lm-mt</td>
<td>Warm White 2650K, 2900K</td>
<td>Natural White 3650K, Natural White 4700K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin White case</td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX SIDE LIGHT IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>180 lm-mt</td>
<td>160 lm-mt</td>
<td>150 lm-mt</td>
<td>Warm White 2650K, 2450K</td>
<td>Natural White 3900K, Natural White 4950K</td>
<td>Not available</td>
<td>Frost resin White case</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX SIDE LIGHT IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>225 lm-mt</td>
<td>230 lm-mt</td>
<td>235 lm-mt</td>
<td>Warm White 2500K, 2900K</td>
<td>Natural White 3850K, Natural White 4800K</td>
<td>Not available</td>
<td>Frost resin White case</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX SIDE LIGHT IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>155 lm-mt</td>
<td>130 lm-mt</td>
<td>125 lm-mt</td>
<td>Warm White 2700K, 2800K</td>
<td>Natural White 3750K, Natural White 4300K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin White case</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX SIDE LIGHT IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>240 lm-mt</td>
<td>240 lm-mt</td>
<td>270 lm-mt</td>
<td>Warm White 2650K, 2750K</td>
<td>Natural White 3600K, Natural White 4500K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin White case</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LED</th>
<th>Nr-Mt.</th>
<th>Lumens</th>
<th>Type of LED</th>
<th>Control System</th>
<th>Resin - Case</th>
<th>Dimensions</th>
<th>Watt</th>
<th>Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINEA LUCE LL144 DOT FLEX HIGH LINE IP65-68</td>
<td>WS 2813 DOT RGB</td>
<td>144-mt</td>
<td>Not available</td>
<td>Full RGB single addressable</td>
<td>External</td>
<td>Frost resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>3.6W-mt.</td>
<td>5 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL144 DOT FLEX SIDE LIGHT IP65-68</td>
<td>WS 2813 DOT RGB</td>
<td>144-mt</td>
<td>Not available</td>
<td>Full RGB single addressable</td>
<td>External</td>
<td>Frost resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>3.6W-mt.</td>
<td>5 Vdc</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LED</th>
<th>Nr-Mt.</th>
<th>Lumens</th>
<th>LED White CCT</th>
<th>LED Single Color</th>
<th>Resin - Case</th>
<th>Dimensions</th>
<th>Watt</th>
<th>Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINEA LUCE LL5 FLEX RECESSED IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>100-mt.</td>
<td>115 lm-mt</td>
<td>125 lm-mt</td>
<td>115 lm-mt</td>
<td>Warm White 2500K, 2800K</td>
<td>Natural White 3750K, Natural White 4300K</td>
<td>Red - Green Blue - Amber</td>
<td>Frost resin White case</td>
</tr>
<tr>
<td>LINEA LUCE LL9 FLEX RECESSED IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>170 lm-mt</td>
<td>175 lm-mt</td>
<td>195 lm-mt</td>
<td>165 lm-mt</td>
<td>Warm White 2500K, 2850K</td>
<td>Natural White 3900K, Natural White 4500K</td>
<td>Not available</td>
</tr>
<tr>
<td>LINEA LUCE LL10 FLEX RECESSED IP65-68</td>
<td>SMD 3014</td>
<td>204-mt.</td>
<td>230 lm-mt</td>
<td>255 lm-mt</td>
<td>240 lm-mt</td>
<td>240 lm-mt</td>
<td>Warm White 2450K, 2750K</td>
<td>Natural White 3850K, Natural White 4350K</td>
<td>Not available</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX RECESSED IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>140 lm-mt</td>
<td>145 lm-mt</td>
<td>135 lm-mt</td>
<td>165 lm-mt</td>
<td>Warm White 2550K, 2800K</td>
<td>Natural White 3600K, Natural White 4400K</td>
<td>Red - Green Blue - Amber</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX RECESSED IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>265 lm-mt</td>
<td>270 lm-mt</td>
<td>250 lm-mt</td>
<td>280 lm-mt</td>
<td>Warm White 2550K, 2900K</td>
<td>Natural White 3550K, Natural White 4650K</td>
<td>Red - Green Blue - Amber</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Name</th>
<th>LED</th>
<th>Nr-Mt.</th>
<th>Lumens</th>
<th>LED White CCT</th>
<th>LED Single Color</th>
<th>Resin - Case</th>
<th>Dimensions</th>
<th>Watt</th>
<th>Volt</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINEA LUCE LL3 FLEX FROST COLOR IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>60-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2900K</td>
<td>Natural White 3200K, Natural White 4400K</td>
<td>Coloured resin White case</td>
<td>L=14.5 mm, H=6.5 mm</td>
<td>5.0W-mt.</td>
<td>12.24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL5 FLEX FROST COLOR IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>100-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2900K</td>
<td>Natural White 3200K, Natural White 4400K</td>
<td>Coloured resin White case</td>
<td>L=9.5 mm, H=6.5 mm</td>
<td>6.0W-mt.</td>
<td>12.24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL6 FLEX FROST COLOR IP65-68</td>
<td>SMD 3014 PLCC2</td>
<td>120-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2900K</td>
<td>Natural White 3200K, Natural White 4400K</td>
<td>Coloured resin White case</td>
<td>L=14.5 mm, H=6.5 mm</td>
<td>8.0W-mt.</td>
<td>12.24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX HIGH LINE COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>8.0W-mt.</td>
<td>24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX HIGH LINE COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>11.0W-mt.</td>
<td>24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX SIDE LIGHT COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>13.0W-mt.</td>
<td>24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX SIDE LIGHT COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=16.0 mm, H=19.0 mm</td>
<td>8.0W-mt.</td>
<td>24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL27 FLEX RECESSED COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=20.0 mm, H=19.0 mm</td>
<td>11.0W-mt.</td>
<td>24 Vdc</td>
</tr>
<tr>
<td>LINEA LUCE LL28 FLEX RECESSED COLOR IP65-68</td>
<td>SMD 3030</td>
<td>108-mt.</td>
<td>Various value of Lumens</td>
<td>Warm White 2650-2750K</td>
<td>Natural White 3600K, Cold White 4500K</td>
<td>Coloured resin White case</td>
<td>L=20.0 mm, H=19.0 mm</td>
<td>15.5W-mt.</td>
<td>24 Vdc</td>
</tr>
</tbody>
</table>
MAXIMAL LENGTH OF LINEA LUCE FLEX SIXTY SERIES

The flexible LED Strip LINEA LUCE FLEX IP65-68, custom made length can be manufacture both 12-24V depending on model. They can be equipped with a single power cable or two different power cables on both the edges. With a double power cable you can get superior lengths without any sudden change in voltage. In the chart below you can see both the maximum lengths for each model and the specific length of the internal PCB.

<table>
<thead>
<tr>
<th>PRODUCT NAME - SPECIFIC MODEL</th>
<th>24vdc VERSION SINGLE END POWER CABLE</th>
<th>24vdc VERSION DOUBLE END SIDE POWER CABLE</th>
<th>LENGHT OF STRIP MODULE</th>
</tr>
</thead>
<tbody>
<tr>
<td>LINEA IP65-68A LUCE LL 3 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 10 Meters</td>
<td>Max length 20 Meters</td>
<td>100.0 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 5 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 10 Meters</td>
<td>60.00 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 6 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 10 Meters</td>
<td>Max length 20 Meters</td>
<td>50.00 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 9 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 9 FLEX MINI LINE IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 9 FLEX MIDI LINE IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 9 FLEX TOTAL LIGHT IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL 9 FLEX MIDI TOTAL LIGHT IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL10 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 6.0 Meters</td>
<td>Max length 12 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL10 FLEX MINI LINE IP65-68</td>
<td>Max length 6.0 Meters</td>
<td>Max length 12 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL10 FLEX MIDI LINE IP65-68</td>
<td>Max length 6.0 Meters</td>
<td>Max length 12 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL10 FLEX TOTAL LIGHT IP65-68</td>
<td>Max length 6.0 Meters</td>
<td>Max length 12 Meters</td>
<td>29.45 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL12 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 10 Meters</td>
<td>25.00 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE LL28 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 7.0 Meters</td>
<td>Max length 14 Meters</td>
<td>65.00 mm.</td>
</tr>
<tr>
<td>LINEA IP65-68A LUCE RGB1 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 10 Meters</td>
<td>100.0 mm.</td>
</tr>
<tr>
<td>LINEA LUCE LL 3 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 10 Meters</td>
<td>50.00 mm.</td>
</tr>
<tr>
<td>LINEA LUCE LL 5 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 3.0 Meters</td>
<td>Max length 6.0 Meters</td>
<td>30.00 mm.</td>
</tr>
<tr>
<td>LINEA LUCE LL 6 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 10 Meters</td>
<td>25.00 mm.</td>
</tr>
<tr>
<td>LINEA LUCE LL12 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 2.5 Meters</td>
<td>Max length 5.0 Meters</td>
<td>25.00 mm.</td>
</tr>
<tr>
<td>LINEA LUCE RGB1 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 5.0 Meters</td>
<td>100.00 mm.</td>
</tr>
<tr>
<td>LINEA LUCE TW1 FLEX CLEAR-FROST/TRANSPARENT-COLOR IP65-68</td>
<td>Max length 5.0 Meters</td>
<td>Max length 5.0 Meters</td>
<td>50.00 mm.</td>
</tr>
</tbody>
</table>

ELECTRICAL CONNECTIONS WITH DOUBLE END SIDE POWER CABLES

The connection among several Linea Luce Flex IP Sixty strips can be made by connecting the various sections equipped with a double power cable through the junction box and using power supplies positioned at the beginning and at the end of the strip Led.
ACCESSORIES AND CONNECTORS

All the models of Linea Luce Flex IP Six Series they can be installed on the wall or floor using harmonic steel clips or a flexible semitransparent silicon clips available as accessories.

Others useful accessories available for the installation are a flexible outer case, both opal and white finishing or a U shape aluminum profile. The LED strip will be fix only coupling it with right accessory.

APPLICATION NOTES

IP68 flexible LED strips are equipped with neoprene H07RN-F cable, IP68. All of our models, both IP65 and IP65 have moulded cable entry options. The standard option is end feed, but available also back feed or side feed.

Pre-wired cables with IP65-68 connectors are available on request, as for as waterproof joint boxes and, multi-pole interconnection systems IP69 and IK10 rated. For use in swimming pools are available certified cable for submersion use in chlorate water.

The Linea Luce Flex IP Six Serie collection has different models vertical bendable, top view models, and horizontal bendable, side light emission. All of them are for a specific use, not interchangeable. When choosing the most suitable model, it is important to remember that the bending direction cannot be modified to avoid accidental damages. Do not twist.

Both vertical and horizontal bending models have a specific minimum bending radius. The minimal bending radius for Transparent, Clear, Frost models is 10 cm. The minimal bending radius for Mini e Midi Light models is 8 cm. The minimal bending radius for Total Light, High Line, Side Light models is 20 cm.

We recommend to fix all models in their installation site with caution in order to avoid inappropriate twists that could damage the product.
All products in the Led Italy catalogue are compliant to specific tests for chemical resistance UV, IP rate, salt resistance, heat and flammability resistance. They follow specific European Community directives:

**Low Voltage**: 2006/95/EC and amendments


**Electromagnetic Compatibility**: 2004/108/EC and amendments


**Use of hazardous substances**: 2011/65/EU and amendments


**Electrical safety classification**: EC 61140

Directive of the European Parliament related to electrical safety, and classification of belonging products to specific classes. Obligation to display a visual symbol of belonging class.

- **Class II**: The power supply does not require ground connection. A single fault will not cause the high voltages by the user.
- **Class III**: The power is supplied from a separated/safety extra-low voltage (SELV) power source. The voltage from a SELV supply is lower than 50V, under normal conditions a person can safely come into contact with it without risk of electrical shock.

**Photo biological safety of lamps and lamp systems**: EN 62471, IEC 62778

Directive of the European Parliament referred the use. Compliance to immune or low-level photo biological risk for lamps, class 0-1.

**Directive of energy efficiency class Erp**: 98/1EC, 92/75EEC

Directive of the European Parliament for the classification based on energy consumption. Census and exhibition of label that certifies compliance to a specific Erp class. All the products complain to class A++, A+, A.

**Annex 2006/95/EC, 2004/108/EC**:

- EN 60598-1 Luminaires – General requirements and tests.
- EN 60598-2-1 Luminaires: Special requirements in fixed appliances for general use.
- EN 61347-2-12 Lamp control gear Particular requirements for DC or AC supplied electronic ballast.
- EN 61347-2-13 Lamp control gear Particular requirements for CC or CA supplied control gear for LED modules.
- EN 62031 LED modules for general lighting – Safety specifications.
- EN 62384 Electronic power supply working on CC or CA. Particular requirements.
- EN 55015 Limits and methods of measurements of radio disturbance characteristics of electrical lighting and similar.
- EN 61000-3-2 Electromagnetic Compatibility (EMC) – Limits for harmonic current emissions (input current <= 16A per phase).
- EN 61000-3-3 Electromagnetic Compatibility (EMC) – Limitation of voltage changes, voltage fluctuation and flicker in low voltage supply systems for equipment rated of <= 16A per phase.
- EN 61547 Equipment for general lighting. EMC immunity requirements.
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