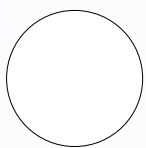




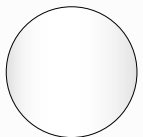
*Accessories  
and components*



## *OUTERCASE* colors



*white*



*opal*

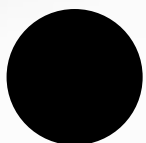


*transparent*

**Standard finishing**

---

### *On demand*



*black*



*RAL Color\**

*\* MOQ 250m. For smaller sizes, equipment cost: €. 250,00 net price.*

**Extra finishing**

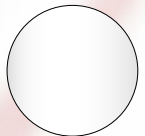
## RESIN colors

Standard finishing

transparent



opal

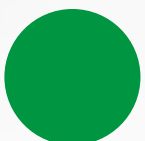


On demand

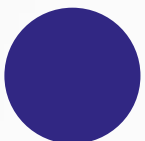
red



green



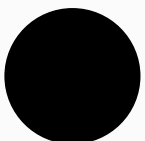
blue



yellow



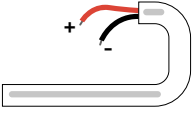

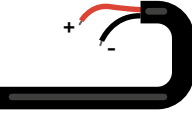

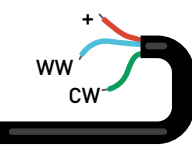

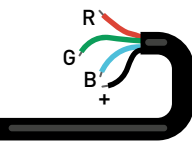

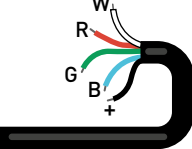

black



Extra finishing



## Power cable type













Code	Description
 <p><b>MONO color</b> </p> <p>SP-CA-65-2-1</p>	<p>Outdoor PVC power cable. White. IP65. 2x0.02 in2. External Ø 0.17 in. Compatible for all models except RGB / RGBW / Tunable white.</p>
 <p><b>MONO color</b> </p> <p>SP-CA-68-2-1</p>	<p>Water immersion and outdoor FEP R5F power cable. Black. IP68. 2x0.02 in2+ n. 2 Kevlar wires (maximum tensile stress 3.31 lbs - CEI EN 50565-1 : 2015-02).. External Ø 0.21 in. Compatible for all models except RGB / RGBW / Tunable white.</p>
 <p><b>Tunable white</b> </p> <p>SP-CA-68-4-1</p>	<p>Water immersion and outdoor FEP R5F power cable. Black. IP68. 4x0.02 in2+ n. 2 Kevlar wires (maximum tensile stress 3.31 lbs - CEI EN 50565-1 : 2015-02). External Ø 0.23 in. Compatible for all models Tunable white.</p>
 <p><b>RGB</b> </p> <p>SP-CA-68-4-1</p>	<p>Water immersion and outdoor FEP R5F power cable. Black. IP68. 4x0.02 in2+ n. 2 Kevlar wires (maximum tensile stress 3.31 lbs - CEI EN 50565-1 : 2015-02). External Ø 0.23 in. Compatible for all models Tunable white.</p>
 <p><b>RGBW</b> </p> <p>SP-CA-68-5-1</p>	<p>Water immersion and outdoor FEP R5F power cable. Black. IP68. 5x0.02 in2+ n. 2 Kevlar wires (maximum tensile stress 3.31 lbs - CEI EN 50565-1 : 2015-02). External Ø 0.24 in. Compatible for all RGBW models.</p>

← 19.69 in ←

\*Standard cable length 50cm. Longer cable lengths can be ordered, considering extra cable not included in the price

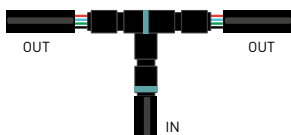
## Connection accessories

### Linear Connection

Code	Description
<p><b>MONO color</b> </p>   <p>THB.381.A2A.R</p>	<p>Micro plug and socket connector. 2PIN. male+female. IP68. Ø0.55 x 3.54 in. Compatible for all models except RGB, RGBW and Tunable white.</p>
<p><b>Tunable white</b> </p>   <p>THB.381.A3A.R</p>	<p>Micro plug and socket connector. 3PIN. male+female. IP68. Ø0.55 x 3.54 in. Compatible for all models except RGB and RGBW.</p>
<p><b>RGB</b> </p>   <p>THB.387.A4A.L.R</p>	<p>Micro plug and socket connector. 4PIN. male+female. IP68. Ø0.91 x 4.45 in. Compatible for all models except RGBW.</p>
<p><b>RGBW</b> </p>   <p>THB.387.A5A.L.R</p>	<p>Micro plug and socket connector. 5PIN. male+female. IP68. Ø0.91 x 4.45 in. Compatible for all models.</p>

## T Connection

Code	Description
THB.402.D4A.R	Connector type "T". 4PIN. IP68. Ø1.26 x 3.58 x 4.76 in. Compatible for all models except RGBW.
THB.390.C1A	Connector type "T". 3PIN. IP68. Ø1.26 x 3.62 x 2.87 in. Compatible for all models except RGB and RGBW.
THB.399.D4E	Connector type "Y". 4PIN. IP68. Ø1.26 x 2.48 x 7.09 in. Compatible for all models except RGBW.
THB.402.C2E	Connector type "T" 3p Screw D7-13.5 IP68 Ø 1.34 x 3.84 x 4.84 in. Compatible for all models except RGBW.



## H Connection

Code	Description
THB.392.A4A	Connector type "H". 4PIN. IP68. Ø1.10 x 2.13 x 3.15 in. Compatible for all models except RGBW.



## Junction box

Code	Description
THA.210.A0A	4-way junction box M16-M20 IP68 external dimensions 5.91 x 5.12 x 1.65 in
THA.219.D1A	Junction box for 3-way resin coating D7-13.5 IP68 external dimensions 4.76 x 2.54 x 1.10 in

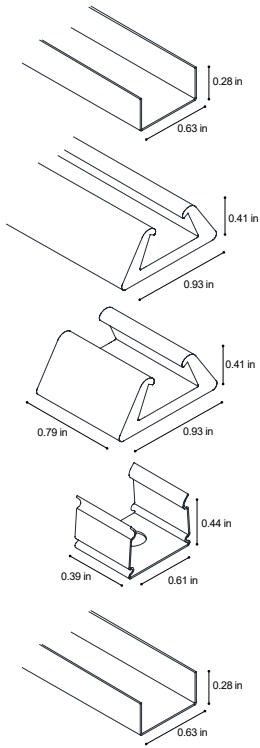


## Power distributor

Code   Codice	Description
THH.625.Y2A	3-way power distributor 2p socket and plug Screw IP68 external dimensions 2.31 x 1.55 x 0.65 in
THH.624.A4AU	Power distributor Socket and Plug 4PIN Screw IP68 UP external dimensions 3.23 x 2.40 x 1.30 in

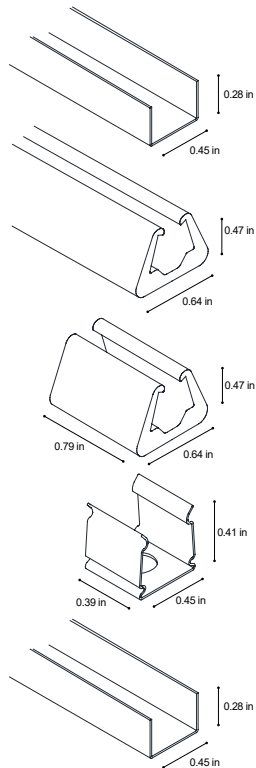


## EASY LINE / Mounting accessories 0.55x0.26 in



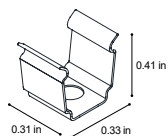
Code	Finishing	Description
<b>PRO-AL-14x6.5-AL</b>	Aluminum	Rigid guide L max 9.84 ft
<b>OUT-S-14x6.5-W</b>	White	Silicone profile
<b>CLIP-S-14x6.5-W</b>	White	Silicone clip
<b>CLIP-AC-14x6.5-AC</b>	AISI 304 harmonic steel	Steel clip
<b>PRO-AC-14x6.5-AC</b>	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

## EASY LINE / Mounting accessories 0.37x0.26 in



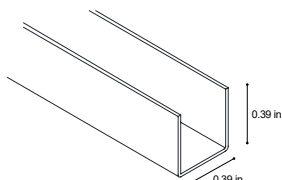
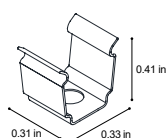
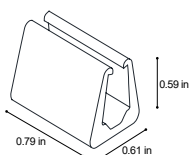
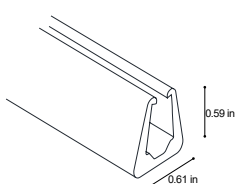
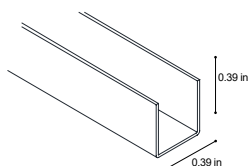
Code	Finishing	Description
<b>PRO-AL-9.5x6.5-AL</b>	Aluminum	Rigid guide L max 9.84 ft
<b>OUT-S-9.5x6.5-W</b> <b>OUT-S-9.5x6.5-F</b>	White Opal	Silicone profile
<b>CLIP-S-9.5x6.5-W</b> <b>CLIP-S-9.5x6.5-F</b>	White Opal	Silicone clip
<b>CLIP-AC-9.5x6.5-AC</b>	AISI 304 harmonic steel	Steel clip
<b>PRO-AC-9.5x6.5-AC</b>	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

## TINY LINE / *Mounting accessories*



Code	Finishing	Description
<b>CLIP-AC-8x9.5-AC</b>	<i>AISI 304 harmonic steel</i>	<i>Steel clip</i>

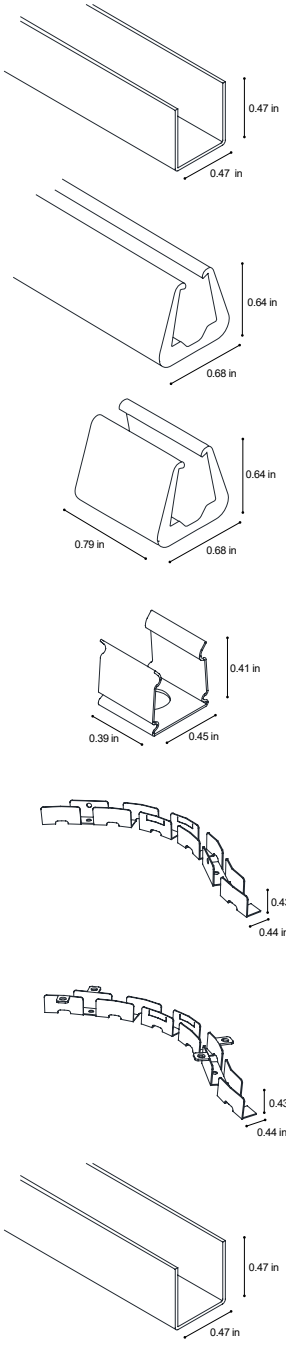
## MINI LINE / *Mounting accessories*



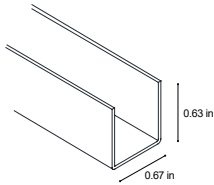
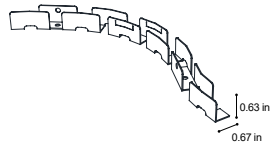
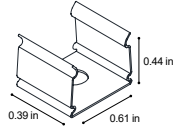
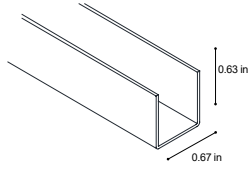
Code	Finishing	Description
<b>PRO-AL-8x9.5-AL</b>	<i>Aluminum</i>	<i>Rigid guide L max 9.84 ft</i>
<b>OUT-S-8x9.5.W</b> <b>OUT-S-8x9.5.F</b>	<i>White</i> <i>Opal</i>	<i>Silicone profile</i>
<b>CLIP-S-8x9.5.W</b> <b>CLIP-S-8x9.5.F</b>	<i>White</i> <i>Opal</i>	<i>Silicone clip</i>
<b>CLIP-AC-8x9.5-AC</b>	<i>AISI 304 harmonic steel</i>	<i>Steel clip</i>
<b>PRO-AC-8x9.5-AC</b>	<i>AISI 316 harmonic steel</i>	<i>Rigid guide L max 8.20 ft</i>

# MIDI LINE / *Mounting accessories*

Code	Finishing	Description
<b>PRO-AL-10x11-AL</b>	Aluminum	Rigid guide L max 9.84 ft
<b>OUT-S-10x11.W</b> <b>OUT-S-10x11.F</b>	White Opal	Silicone profile
<b>CLIP-S-10x11.W</b> <b>CLIP-S-10x11.F</b>	White Opal	Silicone clip
<b>CLIP-AC-9.5x6.5-AC</b>	AISI 304 harmonic steel	Steel clip
<b>SNK-AC-10x11-AC</b>	AISI 316 harmonic steel	Flexible profile L max 3.28 ft
<b>SNK2-AC-10x11-AC</b>	AISI 316 harmonic steel	Flexible profile for false ceiling L max 3.28 ft
<b>PRO-AC-10x11-AC</b>	AISI 316 harmonic steel	Rigid guide L max 8.20 ft



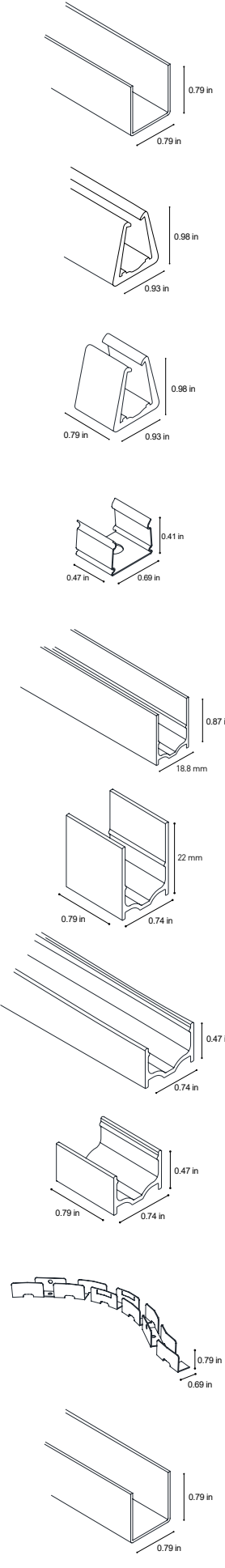
## LINE 66 / *Mounting accessories*



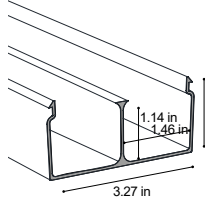
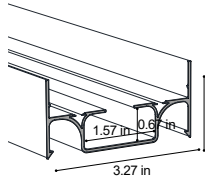
<i>Code</i>	<i>Finishing</i>	<i>Description</i>
<b>PRO-AL-15x15-AL</b>	<i>Aluminum</i>	<i>Rigid guide L max 9.84 ft</i>
<b>CLIP-AC-14x6.5-AC</b>	<i>AISI 304 harmonic steel</i>	<i>Steel clip</i>
<b>SNK-AC-15x15-AC</b>	<i>AISI 316 harmonic steel</i>	<i>Flexible profile L max 3.28 ft</i>
<b>PRO-AC-15x15-AC</b>	<i>AISI 316 harmonic steel</i>	<i>Rigid guide L max 8.20 ft</i>

# HIGH LINE / *Mounting accessories*

Code	Finishing	Description
<b>PRO-AL-16x19-AL</b>	Aluminum	Rigid guide L max 9.84 ft
<b>OUT-S-16x19.W</b>	White	Silicone profile
<b>CLIP-S-16x19.W</b>	White	Silicone clip
<b>CLIP-AC-16x19-AC</b>	AISI 304 harmonic steel	Steel clip
<b>PRO1-AL-16x19-AL</b>	Aluminum	Rigid guide for ceiling installations L max 9.84 ft
<b>CLIP1-AL-16x19-AL</b>	Aluminum	Clip for ceiling installations
<b>PRO2-AL-16x19-AL</b>	Aluminum	Rigid guide for ceiling installations (Total Light) L max 9.84 ft
<b>CLIP2-AL-16x19-AL</b>	Aluminum	Clip for ceiling installations (Total Light)
<b>SNK-AC-16x19-AC</b>	AISI 316 harmonic steel	Flexible profile L max 3.28 ft
<b>PRO-AC-16x19-AC</b>	AISI 316 harmonic steel	Rigid guide L max 8.20 ft



## H2 LINE / *Mounting accessories*



<i>Code</i>	<i>Finishing</i>	<i>Description</i>
<b>PR01-AL-80X20-AL</b>	Aluminum	<i>Rigid aluminum outercase for wiring and connectors L=6.56 ft</i>
<b>PR02-AL-80X20-AL</b>	Aluminum	<i>Rigid aluminum outercase for power supply L= 6.56 ft</i>

## SPECIFICATIONS



Dimmable



solvents resistance



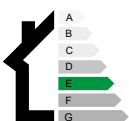
salt water resistance



chlorinated water resistance



## ENERGY EFFICIENCY CLASS



The LED strips produced by LED ITALY belong to the energy class E in reference to the Regulation (EU) 2019/2015. They are energy-saving products and can be used for specific installations.

All LED strips produced by LED ITALY are compatible with the most common dimming devices on the market. 0-10V potentiometers and DALI and DMX signal dimmers are the main control devices.

LED ITALY products are guaranteed for 5 years from the purchasing date. The warranty covers against all the manufacturing defects. The warranty is valid only when the product is used under its specifications and without any pilfering, breaking, alterations, modifications and uses according to wrong technical directions or set up in inadequate mechanical parts. LED ITALY has the right to verify technically the product to validate the guarantee.

Each type of LED used is declared L80 / B10 = 50,000 hours. This indicates that upon reaching 50,000 hours of use, 90% (B10) of the components have a residual luminous flux equal to or greater than 80% of the initial flow (L80).

The products have a strong resistance to the corrosive action of saline agents in outdoor spaces and to corrosive environmental agents. The products, subjected to specific tests, have resisted the corrosive action of acids, alcohol and caustic soda.

With its protection rating and high-grade polyurethane resin encapsulation, FLEX models are salt water and air-polluting substances resistant. Exposure to salt water does not cause alterations over time, completely maintaining the functionality of the product.

The products can be used both in submersion use up to three meters. Exposure to chlorinated water does not cause alterations over time, completely maintaining the functionality of the product. Chlorinated water installations are completed with the use of specific cables suitable for permanent immersion in accordance with EN 50525-2-21 and EN 50363-2-1 and mounting accessories in AISI 316L steel.

All the products of LINEA LUCE FLEX have got a special protection processing against UV rays, which guarantees resistance to yellowing over time, avoiding color changes both in the light and in the finishing.

The products are intrinsically waterproof and suitable for use in outdoor spaces, in damp spaces, exposed to the elements and suitable for immersion having passed the homologation tests of the resins that give the product the IP68 rating (IEC 60598-1). An adequate choice between dedicated power cables and accessories in the range allows the product to be used in IP68 applications such as fountains and swimming pools.

LED ITALY is applicant to ISO 9001-2015.

LED ITALY is applicant to ISO 14001-2015.

LED ITALY is certified for the production of its products to 100% Made in Italy.

LED ITALY products comply with the following International standards:

- LED modules for general lighting - Safety specifications: IEC EN 62031:2008;
- Low voltage directive: 2006/95 / CEE EMC- EN5008-1-1.2004 / 108 / CE, EC 61140, EN 62471, ERP 98 / 1EC, 92 / 75EEC EN55022, EN5008 -2 Directive EMC: 93/68 / CEE 89/336 CEE.;
- Annex 2006/95 / CE / 2004/108 / CE: EN 60598-1, EN 60598-2-1 EN 61347-2-12, EN61347-2-13, EN62031, EN632384, EN 55015, EN 61000-3-2 , EN 61000-3-3 EN 61547;
- IP68 Test: IEC 60598-1:2014.

Note: All strips are low voltage operating on 12-24Vdc. Without direct connection to the mains supply, products are therefore inherently Ae as they operate from less than 75Vdc as specified in the Low Voltage Directive 72/23/EEC.

## ENERGY EFFICIENCY CLASS

The materials used on LED ITALY products have been subjected to the following tests:

Type of resins	Type of resins IK10	Type of support	
Transparent	Transparent (XPZ585+XHZ185)	Stainless steel	
Opal	Opal (PU 1308 Opal 0.15%)	PVC	
TEST	NORM	EXECUTION	RESULT
<b>Gloss at 60°</b>	UNI EN ISO 2813	Gloss value at 60°	<b>Compliant</b>
<b>Neutral salt spray</b>	ISO 7253	Exposition 1500 h, purity degree of salt 99,5% NaCl in solution with demineralized water; Electric conductivity < 20 µS/cm, concentration of test solution 50 ± 5 g/l	Checked cracking, blistering or water absorption. <b>Compliant</b>
<b>Humidity Chamber</b>	UNI EN ISO 6270	Exposition 1500 h, at 50°C RH>95% in constant saturated atmosphere	No cracks, blistering, softening of the resin layer, no gloss variation or water adsorption. <b>Compliant</b>
Resistance to immersion in the following liquids:			
<b>Swimming pool</b>	N.A.	5 ppm sodium hypochlorite, derived from the hydrolysis of the pool disinfectant (sodium dichloroisocyanurate 56%) approx. pH 7 (obtained with sodium bisulphate hydrolysed in sulfuric acid)	No softening, color change or deformation of the resin film. <b>Compliant</b>
<b>Water</b>	ISO 2812 - part 1 method 1	Exposition 250 h at 25°C	Resin layer unaffected, no change or softening. <b>Compliant</b>
<b>Hydrochloric Acid</b>	ISO 2812 - part 1 method 2	Exposition 240 h - sol. 8,5% at 20°C	Resin layer unaffected, no absorption, change or softening. <b>Compliant</b>
<b>Sodium Hydroxide</b>	ISO 2812 - part 1 method 2	Exposition 240 h - sol. 20% at 20°C	Resin layer unaffected, no absorption, change or softening. <b>Compliant</b>
<b>Isopropyl Alcohol</b>	ISO 2812	Exposition 48 h at 20°C	Film slightly modified, no softening, mass alteration (-5-6%)
<b>Stone chipping</b>	ASTM D 3170	Resistance to stone and gravel chipping. ASTM D 3170: ≤7B	<b>Compliant</b>
<b>QUV Test</b>	ISO 16474	Exposition 1000h - ΔE check	<b>Compliant</b>
<b>Heat Resistance</b>	MS CG-12	Exposition 500 h at 80°C	Resin layer unaffected, no deformation, color change or softening. <b>Compliant</b>
<b>Resistance to High Temperature</b>	GM 6073	Exposition 1 h at 93°C	Resin layer unaffected no deformation, color change or softening. <b>Compliant</b>

The materials used on LED ITALY products with hard resin have been subjected to the following tests:

<b>IK10 Test</b>	IEC 62 262	Impactor regulated 20 joules of energy. Radius 50 mm, 5 kg of mass, height of drop 400mm	No breaks. <b>Compliant</b>
------------------	------------	--	-----------------------------