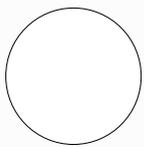




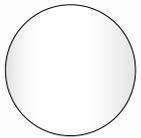
*Accessories
and components*



OUTERCASE colors



white



opal



transparent

On demand



black



*RAL Color**

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

Standard finishing

Extra finishing

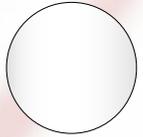
RESIN colors

Standard finishing

transparent



opal



On demand

red



green



blue



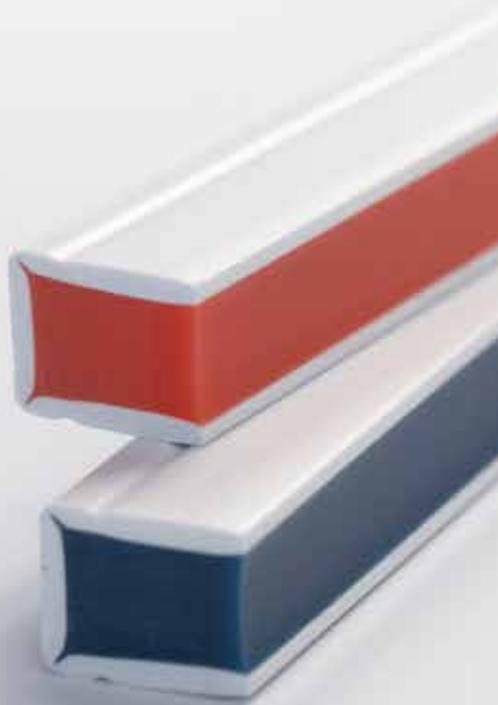
yellow



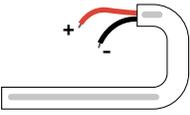
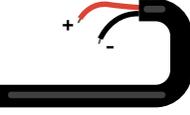
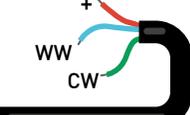
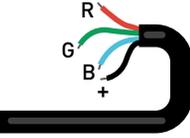
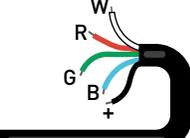
black



Extra finishing



Power cable type

Code	Description
 MONO color  SP-CA-65-2-1	<i>Outdoor PVC power cable. White. IP65. 2x0.02 in2. External Ø 0.17 in.</i> <i>Compatible for all models except RGB / RGBW / Tunable white.</i>
 MONO color  SP-CA-68-2-1	<i>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.</i> <i>Compatible for all models except RGB / RGBW / Tunable white.</i>
 Tunable white  SP-CA-68-4-1	<i>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.</i> <i>Compatible for all models Tunable white.</i>
 RGB  SP-CA-68-4-1	<i>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.</i> <i>Compatible for all models Tunable white.</i>
 RGBW  SP-CA-68-5-1	<i>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.</i> <i>Compatible for all RGBW models.</i>

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

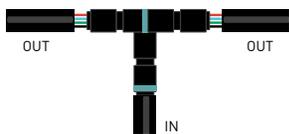
Connection accessories

Linear Connection

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

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

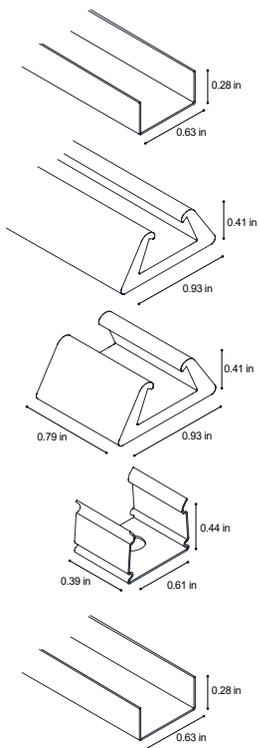


Power distributor

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

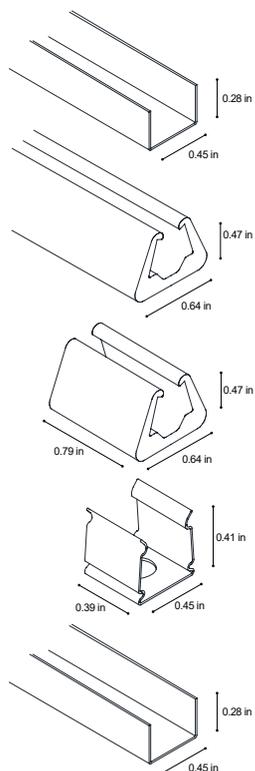
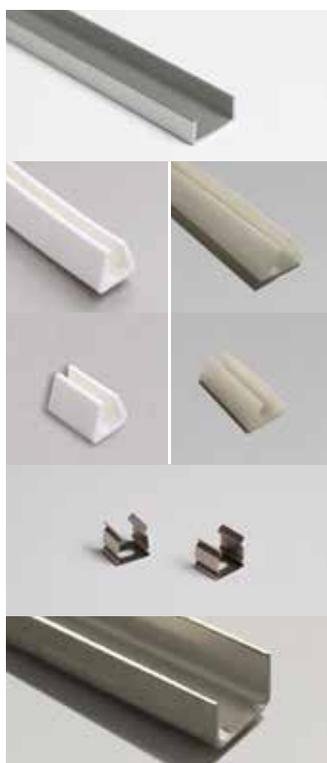


EASY LINE / Mounting accessories 0.55x0.26 in



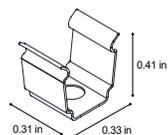
Code	Finishing	Description
PRO-AL-14x6.5-AL	Aluminum	Rigid guide L max 9.84 ft
OUT-S-14x6.5-W	White	Silicone profile
CLIP-S-14x6.5-W	White	Silicone clip
CLIP-AC-14x6.5-AC	AISI 304 harmonic steel	Steel clip
PRO-AC-14x6.5-AC	AISI 316 harmonic steel	Rigid guide L max 8.20 ft

EASY LINE / Mounting accessories 0.37x0.26 in



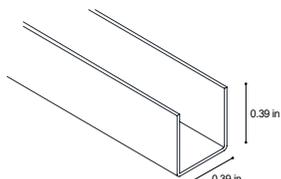
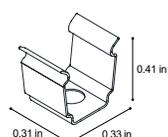
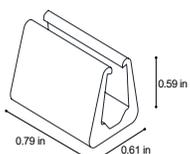
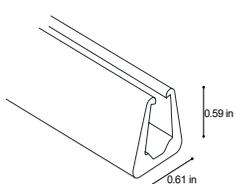
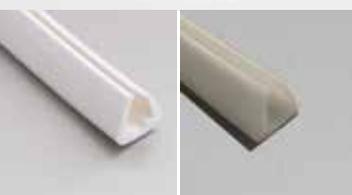
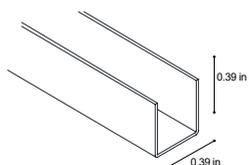
Code	Finishing	Description
PRO-AL-9.5x6.5-AL	Aluminum	Rigid guide L max 9.84 ft
OUT-S-9.5x6.5-W OUT-S-9.5x6.5-F	White Opal	Silicone profile
CLIP-S-9.5x6.5-W CLIP-S-9.5x6.5-F	White Opal	Silicone clip
CLIP-AC-9.5x6.5-AC	AISI 304 harmonic steel	Steel clip
PRO-AC-9.5x6.5-AC	AISI 316 harmonic steel	Rigid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

TINY LINE / *Mounting accessories*



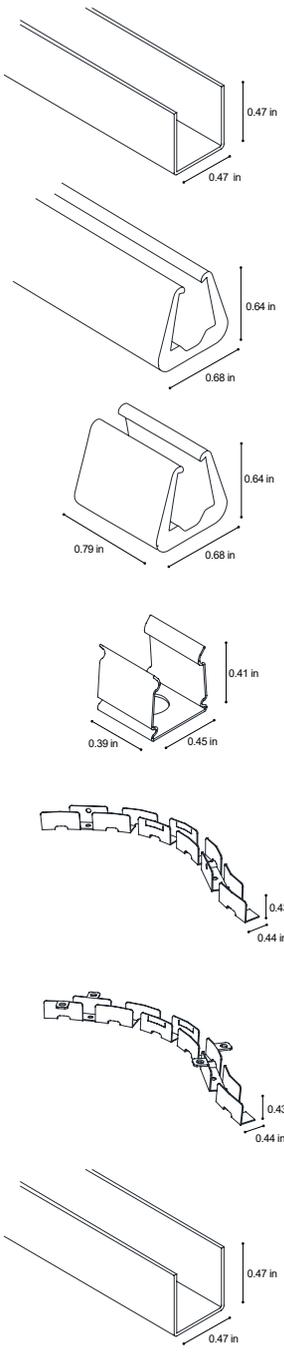
Code	Finishing	Description
CLIP-AC-8x9.5-AC	<i>AISI 304 harmonic steel</i>	<i>Steel clip</i>

MINI LINE / *Mounting accessories*

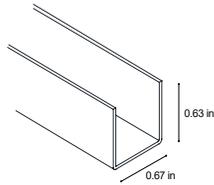
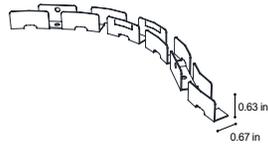
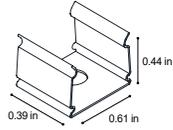
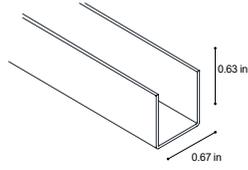


Code	Finishing	Description
PRO-AL-8x9.5-AL	<i>Aluminum</i>	<i>Rigid guide L max 9.84 ft</i>
OUT-S-8x9.5.W OUT-S-8x9.5.F	<i>White</i> <i>Opal</i>	<i>Silicone profile</i>
CLIP-S-8x9.5.W CLIP-S-8x9.5.F	<i>White</i> <i>Opal</i>	<i>Silicone clip</i>
CLIP-AC-8x9.5-AC	<i>AISI 304 harmonic steel</i>	<i>Steel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

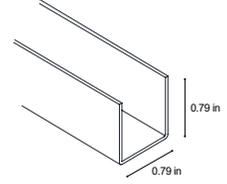
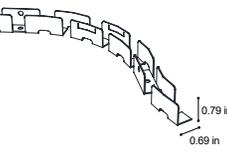
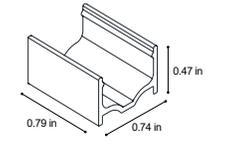
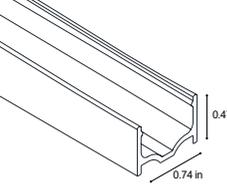
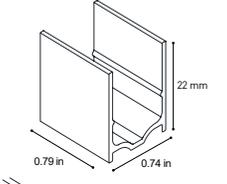
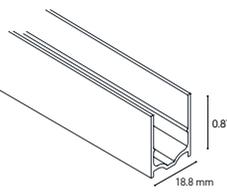
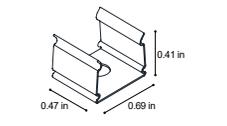
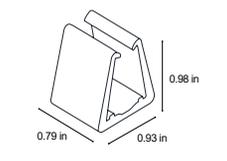
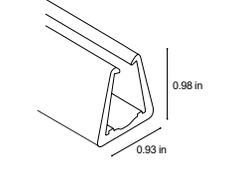
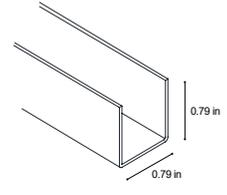
Code	Finishing	Description
PRO-AL-10x11-AL	Aluminum	Rigid guide L max 9.84 ft
OUT-S-10x11.W OUT-S-10x11.F	White Opal	Silicone profile
CLIP-S-10x11.W CLIP-S-10x11.F	White Opal	Silicone clip
CLIP-AC-9.5x6.5-AC	AISI 304 harmonic steel	Steel clip
SNK-AC-10x11-AC	AISI 316 harmonic steel	Flexible profile L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



LINE 66 / *Mounting accessories*

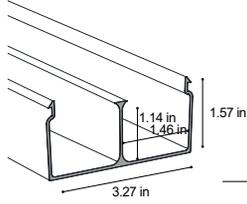
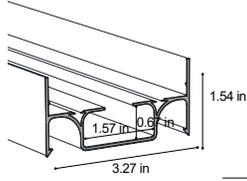


<i>Code</i>	<i>Finishing</i>	<i>Description</i>
PRO-AL-15x15-AL	<i>Aluminum</i>	<i>Rigid guide L max 9.84 ft</i>
CLIP-AC-14x6.5-AC	<i>AISI 304 harmonic steel</i>	<i>Steel clip</i>
SNK-AC-15x15-AC	<i>AISI 316 harmonic steel</i>	<i>Flexible profile L max 3.28 ft</i>
PRO-AC-15x15-AC	<i>AISI 316 harmonic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



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

H2 LINE / *Mounting accessories*



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

SPECIFICATIONS



Dimmable



solvents resistance



salt water resistance



chlorinated water resistance



UV protect



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.

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

Type of resins	Type of resins IK10	Type of support	
Trasparente (VT 3402 KK NV) <i>Transparent</i>	Trasparente (XPZ585+XHZ185) <i>Transparent</i>	<i>Stainless steel</i>	
Opale (VT3402 Opal) <i>Opal</i>	Opal (PU 1308 Opal 0,15%) <i>Opal</i>	<i>PVC</i>	
TEST	NORM	EXECUTION	RESULT
Brillantezza <i>Gloss at 60°</i>	UNI EN ISO 2813	Angolo di incidenza 60° <i>Gloss value at 60°</i>	Conforme Compliant
Nebbia salina (Neutra)		Esposizione 1500 h, grado di purezza sale impiegato 99,5% NaCl, in soluzione con H2O demineralizzata; Cond. elettrica < 20 µS/cm, concentrazione della soluzione in prova 50 ± 5 g/l	Verificati eventuale cracking, blistering o assorbimento di acqua. Conforme
<i>Neutral salt spray</i>	ISO 7253	<i>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</i>	<i>Checked cracking, blistering or water absorption. Compliant</i>
Camera umidostatica		Esposizione 1500 h, a 50°C RH>95% in atmosfera satura costante	Verificati eventuale blistering, rammollimento del film di resina, nessuna variazione di gloss o assorbimento di acqua. Conforme
<i>Humidity chamber</i>	UNI EN ISO 6270	<i>Exposition 1500 h, at 50°C RH>95% in constant saturated atmosphere</i>	<i>No cracks, blistering, softening of the resin layer, no gloss variation or water adsorption. Compliant</i>
Resistenza all'immersione nei seguenti liquidi: <i>Resistance to immersion in the following liquids:</i>			
Piscina	N.D.	5 ppm di ipoclorito di sodio derivato da idrolisi del prodotto disinfettante per piscina (dicloroisocianurato di sodio 56%). PH 7 circa ottenuto con sodio bisolfato idrolizzato in acido solforico.	Nessun rammollimento, cambiamento di colore o deformazione del film di resina. Conforme
<i>Swimming pool</i>	N.A.	<i>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)</i>	<i>No softening, colour change or deformation of the resin film. Compliant</i>
Acqua	ISO 2812 - parte 1 metodo 1	Esposizione 250 h a 25°C	Strato resina inalterato, nessuna, variazione o rammollimento. Conforme
<i>Water</i>	ISO 2812 - part 1 method 1	<i>Exposition 250 h at 25°C</i>	<i>Resin layer unaffected, no changement or softening. Compliant</i>
Acido Cloridrico	ISO 2812 - parte 1 metodo 2	Esposizione 240 h - sol. 8,5% a 20°C	Strato di resina inalterato, nessuna deformazione o rammollimento. Conforme
<i>Hydrochloric Acid</i>	ISO 2812 - part 1 method 2	<i>Exposition 240 h - sol. 8,5% at 20°C</i>	<i>Resin layer unaffected, no absorption, changement or softening. Compliant</i>
Idrossido di sodio	ISO 2812 - parte 1 metodo 2	Esposizione 240 h - sol. 20% a 20°C	Strato di resina inalterato, nessuna deformazione o rammollimento. Conforme
<i>Sodium hydroxide</i>	ISO 2812 - part 1 method 2	<i>Exposition 240 h - sol. 20% at 20°C</i>	<i>Resin layer unaffected, no absorption, changement or softening. Compliant</i>
Alcool isopropilico	ISO 2812	Esposizione 48 h a 20°C	Film leggermente alterato, nessun rammollimento, perdita di massa (5-6%)
<i>Isopropyl alcohol</i>		<i>Exposition 48 h at 20°C</i>	<i>Film slightly modified, no softening, mass alteration (-5-6%)</i>
Stone chipping	ASTM D 3170	Resistenza all'impatto di pietrisco e ghiaia. ASTM D 3170: <7B	Conforme
<i>Stone chipping</i>		<i>Resistance to stone and gravel chipping. ASTM D 3170: <7B</i>	Compliant
Resistenza all'esposizione raggi UV /QUV	ISO 16474	Esposizione 1000h - Verifica ΔE	Conforme
<i>QUV test</i>		<i>Exposition 1000h - ΔE check</i>	Compliant
Resistenza al calore	MS CG-12	Esposizione 500 h a 80°C	Strato di resina inalterato, nessuna deformazione, cambiamento di colore o rammollimento. Conforme
<i>Heat Resistance</i>		<i>Exposition 500 h at 80°C</i>	<i>Resin layer unaffected, no deformation, colour changement or softening. Compliant</i>
Resistenza alle alte temperature	GM 6073	Esposizione 1 h a 93°C	Strato di resina inalterato, nessuna deformazione, cambiamento di colore o rammollimento. Conforme
<i>Resistance to high temperatures</i>		<i>Exposition 1 h at 93°C</i>	<i>Resin layer unaffected no deformation, color changament or softening. Compliant</i>

I materiali utilizzati sui prodotti LED ITALY con resinatura cristallina raggiungono un grado di resistenza meccanica IK10:

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

Resistenza all'urto (IK)	IEC 62 262	Impattore normato 20 J di energia massima. Raggio 50 mm, massa 5 kg, altezza di caduta 400 mm	Nessuna rottura. Conforme
<i>IK10 Test</i>		<i>Impactor regulated 20 joules of energy. Radius 50 mm, 5 kg of mass, height of drop 400mm</i>	<i>No breaks. Compliant</i>