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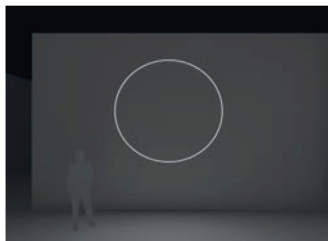


**Top Bend 16
Dive**
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Underscore InOut

It's in the optics

Straight and curved lines on flat surfaces with the SIDE BEND version (16mm-10mm)



Side Bend

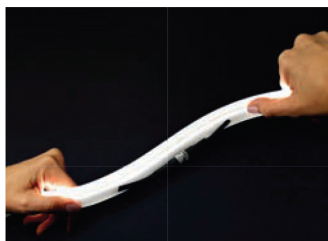


Top Bend

Straight lines on flat and curved surfaces with the TOP BEND version (16mm)

Uniformity

The front part is characterized by a diffusing opal finish to ensure maximum uniformity over the entire light emitting surface. Absence of shadow zones thanks to cable positioning at the rear or the side



Underscore InOut
Perfect lighting uniformity



Other products
Gap in the lighting effect

Reliability for better Light

Reliable performance even under extreme conditions. Patented to protect Leds and retain features unchanged over time.

- 1 High performance polymer with double white/opal finish
- 2 IP 68 connector with secure block
- 3 Air chamber
- 4 Splint System
Metallic sheath to absorb mechanical stresses
- 5 Free LED circuit protected against thermal and mechanical stress..



L80 B20

Reliable LED performance

Underscore InOut guarantees the declared B20 lifespan.

E.g.: Underscore InOut White

Top Bend has a lifespan of:

53,000 hours L80 B20 (Ta 25°C)

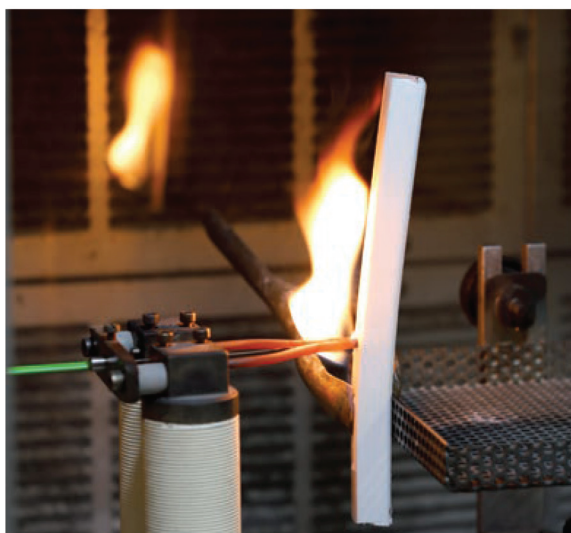
50,000 hours L80 B20 (Ta 40°C)





** value for colour with shorter lifespan calculated with simultaneous individual RGB ON at maximum intensity.
On request, we can provide values for individual lifespans for each RGB colour or the average value of the three colours.

Total flammability resistance.

Underscore InOut is highly reliable even in the event of fire, since it complies with glow-wire test at 960°. Similar products in polyurethane or PVC, on the other hand, are already non-conforming at 850°C. All products are in any case compliant at 650°C as indicated by the Standard.

Glow-wire test at 960°C
Reliability in the event of fire / standard flammability
EN 60598 -1:2015



	iGuzzini Underscore InOut complies at 960 °C
	Company A Polyurethane does not comply at 850°C
	Company B Polyurethane does not comply at 850°C
	Company C PVC does not comply at 960°C


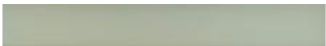










Reliability of performances even at extreme temperatures

Tests in a climatic chamber (IMQ/UL/CQCC certified laboratory) demonstrate that Underscore InOut remains operative even at extreme temperatures, from -30°C to +45°C, with no thermal shrinkage or expansion when installed with a clip or profile. It also retains maximum flexibility even at -30° C.



UV Test / Reliability of the material

The European Quality Institute tested Underscore InOut and other similar systems in other materials. After 2 years of exposure, PVC turns yellow. After 12 years, our material still has the same finishing, thereby ensuring the same efficiency and colour temperature. Standard ISO 11507:2007

	0 years	2.5 years	12.5 years
iGuzzini - Underscore InOut			
Company A - Polyurethane			
Company B - Polyurethane			
Company C - PVC			

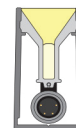
Underscore InOut

Side bend

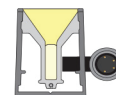
Side-Bend strips create straight and curved lines on flat surfaces. Three widths are available: 10mm-16mm. Low or high profiles in aluminium in relation to the side or rear position of the output cable.



Side bend 10 Low profile (h 25 mm)



Side bend 16 High profile (h 31 mm)



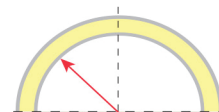
Side bend 16 Low profile (h 26 mm)

Curvature

It is advisable not to exceed the minimum 15mm radius of curvature indicated, for 16mm-10mm versions.



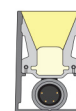
Side Bend 6
Curvature radius = 6.5 cm



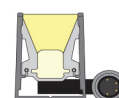
Side Bend 10 - 16
Curvature radius = 15 cm

Top bend

Top-Bend strips create rectilinear lines on flat or curved surfaces. Width is 16 mm. Low or high profiles in aluminium in relation to the side or rear position of the output cable.



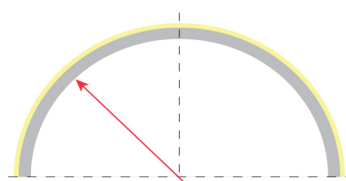
Top bend 16x20
High profile
(h 31 mm)



Top bend 16x20
Low profile
(h 26 mm)

Curvature

It is advisable not to exceed the minimum radius of curvature indicated of 25cm.

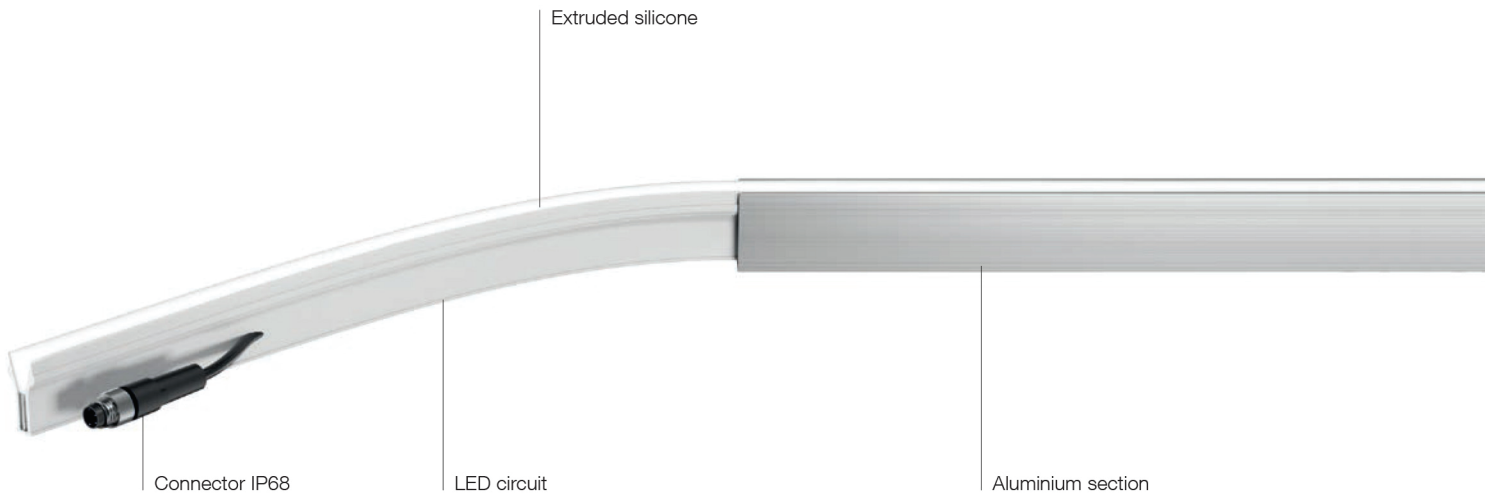


Top Bend 16
Curvature radius = 25 cm

Underscore InOut

Side Bend 10

Award
ArchiExpo i-NOVO



Explore and interact with products in 3D.
thelightexperience.iguzzini.com



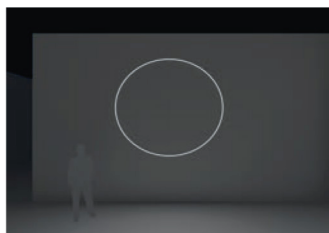
- Linear luminaire with monochromatic (2500K-2900K-3800K-4500K) or RGB LEDs.
- Surface installation with profiles (straight lines) or clips (curved lines).
- Implemented on a 24Vdc white flexible circuit with lengths from 254 mm to 7004 mm (21 possible combinations).
- The PWM LED circuit is fully IP68 encapsulated with a very high performance white (external) and opal (emitting surface) polymer

- sheath: the material can be used and installed even at extreme temperatures: 30 ° C + 45 ° C.
- Uniform lighting without visible points is assured along the entire profile of the strip as far as the terminal parts.
- Complete with L = 80 mm cables with IP68 male and female connectors fitted with anti-release ring nuts.
- Resistant to brine, UV rays and solvents.

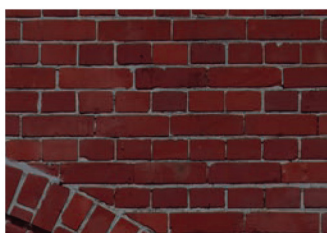
- IK10 impact resistance
- Contact temperature <40°.
- IP68 protection for product and cable alike using IP68 connectors. The product is not considered suitable for installation in swimming pools and fountains.

Lighting effects

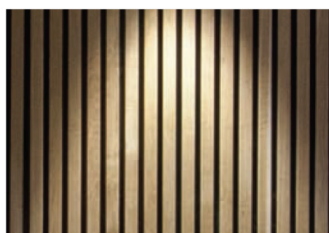
A pen of light to underscore flat surfaces of any dimension with various signs. Straight or curved, white or coloured lines leave a discreet, precise graphic sign on architecture.



Colour temperature



2500K



2900K



3800K



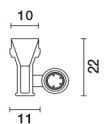
4500K



01
WHITE



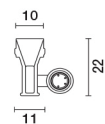
W	lm	length	code colour
2500K - 24Vdc			
LED			
2500K - CRI 80 - PWM			
2,1W	75	254	EA08 01
2,6W	90	304	EA09 01
3W	105	354	EA10 01
3,4W	120	404	EA11 01
3,8W	135	454	EA12 01
4,3W	150	504	EA13 01
4,7W	165	554	EA14 01
5,1W	180	604	EA15 01
5,5W	195	654	EA16 01
6W	210	704	EA17 01
6,4W	225	754	EA18 01
6,8W	240	804	EA19 01
7,2W	255	854	EA20 01
7,7W	270	904	EA21 01
8,1W	285	954	EA22 01
8,5W	300	1004	EA23 01
17W	600	2004	EA24 01
25,5W	900	3004	EA25 01
34W	1200	4004	EA26 01
42,5W	1500	5004	EA27 01
59,5W	2100	7004	EA28 01



24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.



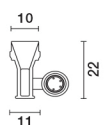
W	lm	length	code colour
2900K - 24Vdc			
LED			
2900K - CRI 80 - PWM			
2,1W	75	254	E575 01
2,6W	90	304	E576 01
3W	105	354	E577 01
3,4W	120	404	E578 01
3,8W	135	454	E579 01
4,3W	150	504	E580 01
4,7W	165	554	E581 01
5,1W	180	604	E582 01
5,5W	195	654	E583 01
6W	210	704	E584 01
6,4W	225	754	E585 01
6,8W	240	804	E586 01
7,2W	255	854	E587 01
7,7W	270	904	E588 01
8,1W	285	954	E589 01
8,5W	300	1004	E590 01
17W	600	2004	E591 01
25,5W	900	3004	E592 01
34W	1200	4004	E593 01
42,5W	1500	5004	E594 01
59,5W	2100	7004	E595 01



24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.



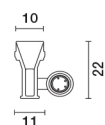
W	lm	length	code colour
3800K - 24Vdc			
LED			
3800K - CRI 80 - PWM			
2,1W	82,5	254	E596 01
2,6W	99	304	E597 01
3W	115,5	354	E598 01
3,4W	132	404	E599 01
3,8W	148,5	454	E600 01
4,3W	165	504	E601 01
4,7W	181,5	554	E602 01
5,1W	198	604	E603 01
5,5W	214,5	654	E604 01
6W	231	704	E605 01
6,4W	247,5	754	E606 01
6,8W	264	804	E607 01
7,2W	280,5	854	E608 01
7,7W	297	904	E609 01
8,1W	313,5	954	E610 01
8,5W	330	1004	E611 01
17W	660	2004	E612 01
25,5W	990	3004	E613 01
34W	1320	4004	E614 01
42,5W	1650	5004	E615 01
59,5W	2310	7004	E616 01



24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.



W	lm	length	code colour
4600K - 24Vdc			
LED			
4600K - CRI 80 - PWM			
2,1W	75	254	E617 01
2,6W	90	304	E618 01
3W	105	354	E619 01
3,4W	120	404	E620 01
3,8W	135	454	E621 01
4,3W	150	504	E622 01
4,7W	165	554	E623 01
5,1W	180	604	E624 01
5,5W	195	654	E625 01
6W	210	704	E626 01
6,4W	225	754	E627 01
6,8W	240	804	E628 01
7,2W	255	854	E629 01
7,7W	270	904	E630 01
8,1W	285	954	E631 01
8,5W	300	1004	E632 01
17W	600	2004	E633 01
25,5W	900	3004	E634 01
34W	1200	4004	E635 01
42,5W	1500	5004	E636 01
59,5W	2100	7004	E637 01



24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.

Class III products: performances are assured only when using the electronic power supplies and drivers indicated in the catalogue.

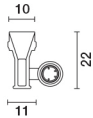
Data refer to the luminous flux emitted by the system.
Technical information may change alongside technological progress. Consult iguzzini.com for ongoing updates.

Underscore InOut

Side Bend 10



01
WHITE



W	lm	length	code colour
RGB - 24Vdc			
LED			
RGB - PWM			
2,2W	16,8	254	E638 01
2,6W	20,1	304	E639 01
3,1W	23,5	354	E640 01
3,5W	26,8	404	E641 01
4W	30,2	454	E642 01
4,4W	33,5	504	E643 01
4,8W	36,9	554	E644 01
5,3W	40,2	604	E645 01
5,7W	43,6	654	E646 01
6,2W	46,9	704	E647 01
6,6W	50,3	754	E648 01
7W	53,6	804	E649 01
7,5W	57	854	E650 01
7,9W	60,3	904	E651 01
8,4W	63,7	954	E652 01
8,8W	67	1004	E653 01
17,6W	134	2004	E654 01
26,4W	201	3004	E655 01
35,2W	268	4004	E656 01
44W	335	5004	E657 01
61,6W	469	7004	E658 01

24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.

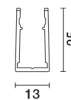
Underscore InOut can be connected in sequence up to a maximum of L=7004 mm. Depending on the type of power supply, Underscore connections can be made in parallel, each with a maximum length of L = 7004 mm; they can also be installed in a continuous row (see instruction sheet).

profiles and clip



length	code colour
Linear profile	
Module	
250	X148 12
500	X149 12
1000	X150 12
2000	X151 12

With 2 slots for the side exit of the connectors.



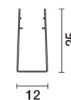
length	code colour
Intermediate linear profile	
Module	
998	X153 12
1790	X154 12
1998	X155 12

Without slots
To be ordered with the end profiles (refer to the instructions sheet)



length	code colour
Pair of end linear profiles	
Module	
104	X152 12

With 1 slot for the side exit of the connector.
To be ordered with the intermediate profiles (refer to the instructions sheet)



length	code colour
Stainless steel support clip	
Module	
40	X156 13

For products with the side exit of the connectors.
Connector passage in the side part of the clip.
Designed for curved sections.






























length	code colour
Anodised aluminium support clip	
Module	
40	X157 12

For products with the side exit of the connectors.
Connector passage in the side part of the clip.
Designed for curved sections.

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Data refer to the luminous flux emitted by the system.
Technical information may change alongside technological progress. Consult iguzzini.com for ongoing updates.

Control gear	code	colour	Interfaces & remote units	code	colour	Power supply	code	colour
 IP67 box for power supply			 4-channel LED Driver with DALI-DMX 720W controller			 Constant current power supply unit IP20 96W		
dim. 140x230x95h (6PG)	9582	00	VIN=12÷48Vdc VOUT=5-12-24-48V	9639	00	VIN = 120-277VAC 50/60Hz Vout = 24VDC IMAX = 4A dimensions: 300x40x22	MZ14	00
dim. 280x190x130h (10PG)	BZ33	00	 PWM interface with DALI monochromatic LED dimmer 120W 24Vdc	MWP3	00	 Constant current power supply unit DALI IP20 100W		
						VIN = 220-240VAC 50/60Hz Vout = 24VDC IMAX = 4,16A dimensions: 295x43x30	MZ15	00
 Cable with female connector for monochromatic LEDs IP68 With anti-detachment locknut			Power supply	code	colour			
L=115	X168	04	 Electronic constant tension power supply 50W 24V			 Constant current power supply unit non dimmable track DIN 120W		
L=1500	X169	04	Iout=2A dim. 225x60x36h	MWK4	00	VIN = 90-240VAC 50/60Hz Vout = 24V IMAX = 5A dimensions: 40x114x125	BZK0	00
L=3000	X170	04	 Electronic constant tension power supply 70W 24V			 Constant current power supply unit non dimmable track DIN 240W		
L=5000	X171	04	IOUT=2,9A dim. 225x60x36h	MWK5	00	VIN = 90-240VAC 50/60Hz Vout = 24V IMAX = 10A dimensions: 63x114x125	9912	00
 Cable with female connector for RGB IP68 With anti-detachment locknut			 Constant current power supply unit non dimmable IP67 40W			 Constant current power supply unit non dimmable track DIN 10W		
L=115	X174	04	VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 1,67A dimensions:171x61,5x36,8	X182	00	VIN = 220-240VAC 50/60Hz Vout = 24V IMAX = 0,4A dimensions: 18x68x93	9908	00
L=1500	X175	04				 Constant current power supply unit non dimmable track DIN 24W		
L=3000	X176	04	 Constant current power supply unit non dimmable IP67 80W			VIN = 220-240VAC 50/60Hz Vout = 24V IMAX = 1A dimensions: 35x68x94	9909	00
L=5000	X177	04	VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 3,4A dimensions:195,6x61,5x38,8	X183	00	 Constant current power supply unit non dimmable track DIN 72W		
 Cable with male connector for monochromatic LEDs IP68 With anti-detachment locknut			 Constant current power supply unit non dimmable IP67 120W			VIN = 220-240VAC 50/60Hz Vout = 24V IMAX = 3A dimensions: 70x68x94	9910	00
L=115	X172	04	VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 5A dimensions:220x68x38,8	X184	00	 Constant current power supply unit non dimmable track DIN 96W		
L=1500	X173	04				VIN = 220-240VAC 50/60Hz Vout = 24V IMAX = 4A dimensions: 93x66x105	9911	00
 Cable with male connector for RGB IP68 With anti-detachment locknut			 Constant current power supply unit non dimmable IP67 185W			 Constant current power supply unit non dimmable track DIN 480W		
L=115	X178	04	VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 7,8A dimensions:228x68x38,8	X185	00	VIN = 90-240VAC 50/60Hz Vout = 24V IMAX = 20A dimensions: 86x129x125	BZK1	00
L=1500	X179	04						
 2-way junction connector - IP68	X188	00	 Constant current power supply unit non dimmable IP67 240W					
			VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 10A dimensions:244,2x90x43,8	X186	00			
 4-way junction connector - IP68	X189	00	 Constant current power supply unit non dimmable IP67 320W					
			VIN =90-305VAC 50/60Hz Vout = 24V IMAX = 13,34A dimensions:252x90x43,8	X187	00			
 Cap kit for IP68 connectors 10 units With anti-detachment band								
Female	X181	04						
male	X180	04						