



Side Bend 10
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Side Bend 16
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Top Bend 16
page 594

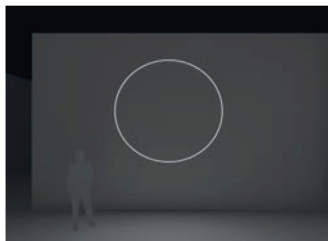


**Top Bend 16
Dive**
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Underscore InOut

It's in the optics

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



Side Bend

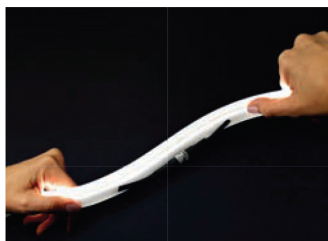


Top Bend

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)

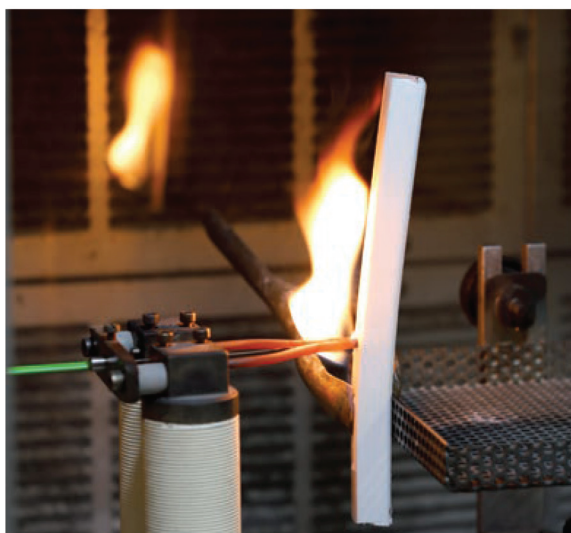
50,000 hours L80 B20 (Ta 40°C)

** 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			

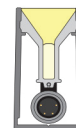
Underscore InOut

Side bend

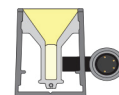
Side-Bend strips create straight and curved lines on flat surfaces. Three widths are available: 10mm-16mm. Low or high profiles in aluminium in relation to the side or rear position of the output cable.



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.



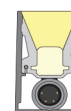
Side Bend 6
Curvature radius = 6.5 cm



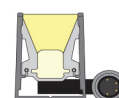
Side Bend 10 - 16
Curvature radius = 15 cm

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.



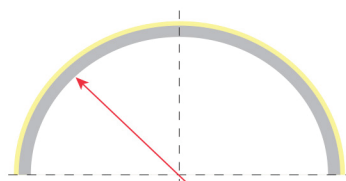
Top bend 16x20
High profile
(h 31 mm)



Top bend 16x20
Low profile
(h 26 mm)

Curvature

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

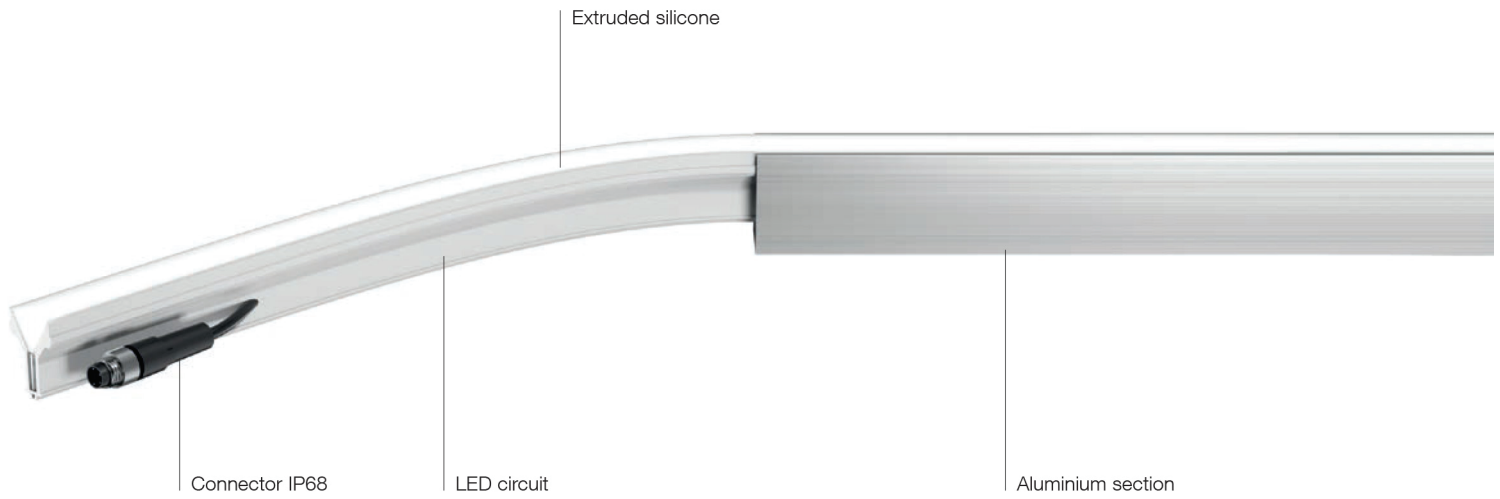


Top Bend 16
Curvature radius = 25 cm

Underscore InOut

Side Bend 16

Award
ArchiExpo i-NOVO



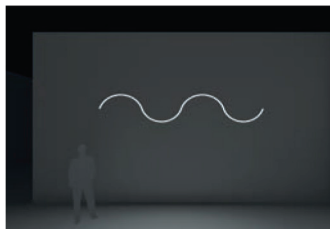
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thelightexperience.iguzzini.com



- Linear luminaire with monochromatic (2500K-2900K-3800K-4500K), RGB or Tunable White 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.
- Complete with stainless steel wires to limit plastic deformation of the body that may otherwise damage the LED circuit.
- Resistant to brine, UV rays and solvents.
- IK10 impact resistance
- Contact temperature <40°.

Lighting effects

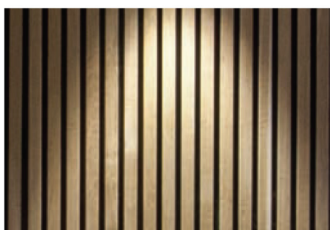
The Side -16mm version creates a striking graphic sign on architecture through straight or curved, white or coloured lines that mark a flat surface.



Colour temperature



2500K



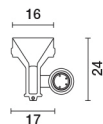
2800K



3500K

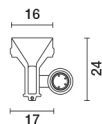


4500K



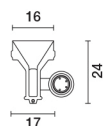
W	lm	length	code colour
2500K - 24Vdc			
LED			
2500K - CRI 80 - PWM			
2,1W	71,3	254	EA29 01
2,6W	85,5	304	EA30 01
3W	99,8	354	EA31 01
3,4W	114	404	EA32 01
3,8W	128,3	454	EA33 01
4,3W	142,5	504	EA34 01
4,7W	156,8	554	EA35 01
5,1W	171	604	EA36 01
5,5W	185,3	654	EA37 01
6W	199,5	704	EA38 01
6,4W	213,8	754	EA39 01
6,8W	228	804	EA40 01
7,2W	242,3	854	EA41 01
7,7W	256,5	904	EA42 01
8,1W	270,8	954	EA43 01
8,5W	285	1004	EA44 01
17W	570	2004	EA45 01
25,5W	855	3004	EA46 01
34W	1140	4004	EA47 01
42,5W	1425	5004	EA48 01
59,5W	1995	7004	EA49 01

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



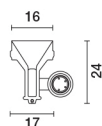
W	lm	length	code colour
2900K - 24Vdc			
LED			
2900K - CRI 80 - PWM			
2,1W	71,3	254	E491 01
2,6W	85,5	304	E492 01
3W	99,8	354	E493 01
3,4W	114	404	E494 01
3,8W	128,3	454	E495 01
4,3W	142,5	504	E496 01
4,7W	156,8	554	E497 01
5,1W	171	604	E498 01
5,5W	185,3	654	E499 01
6W	199,5	704	E500 01
6,4W	213,8	754	E501 01
6,8W	228	804	E502 01
7,2W	242,3	854	E503 01
7,7W	256,5	904	E504 01
8,1W	270,8	954	E505 01
8,5W	285	1004	E506 01
17W	570	2004	E507 01
25,5W	855	3004	E508 01
34W	1140	4004	E509 01
42,5W	1425	5004	E510 01
59,5W	1995	7004	E511 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	77,5	254	E512 01
2,6W	93	304	E513 01
3W	108,5	354	E514 01
3,4W	124	404	E515 01
3,8W	139,5	454	E516 01
4,3W	155	504	E517 01
4,7W	170,5	554	E518 01
5,1W	186	604	E519 01
5,5W	201,5	654	E520 01
6W	217	704	E521 01
6,4W	232,5	754	E522 01
6,8W	248	804	E523 01
7,2W	263,5	854	E524 01
7,7W	279	904	E525 01
8,1W	294,5	954	E526 01
8,5W	310	1004	E527 01
17W	620	2004	E528 01
25,5W	930	3004	E529 01
34W	1240	4004	E530 01
42,5W	1550	5004	E531 01
59,5W	2170	7004	E532 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	70	254	E533 01
2,6W	84	304	E534 01
3W	98	354	E535 01
3,4W	112	404	E536 01
3,8W	126	454	E537 01
4,3W	140	504	E538 01
4,7W	154	554	E539 01
5,1W	168	604	E540 01
5,5W	182	654	E541 01
6W	196	704	E542 01
6,4W	210	754	E543 01
6,8W	224	804	E544 01
7,2W	238	854	E545 01
7,7W	252	904	E546 01
8,1W	266	954	E547 01
8,5W	280	1004	E548 01
17W	560	2004	E549 01
25,5W	840	3004	E550 01
34W	1120	4004	E551 01
42,5W	1400	5004	E552 01
59,5W	1960	7004	E553 01

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

Underscore InOut

Side Bend 16

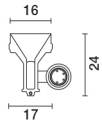


01
WHITE

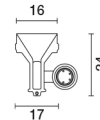
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W	lm	length	code colour
RGB - 24Vdc			
LED			
RGB - PWM			
2,2W	14,5	254	E554 01
2,6W	17,4	304	E555 01
3,1W	20,3	354	E556 01
3,5W	23,2	404	E557 01
4W	26,1	454	E558 01
4,4W	29	504	E559 01
4,8W	31,9	554	E560 01
5,3W	34,8	604	E561 01
5,7W	37,7	654	E562 01
6,2W	40,6	704	E563 01
6,6W	43,5	754	E564 01
7W	46,4	804	E565 01
7,5W	49,3	854	E566 01
7,9W	52,2	904	E567 01
8,4W	55,1	954	E568 01
8,8W	58	1004	E569 01
17,6W	116	2004	E570 01
26,4W	174	3004	E571 01
35,2W	232	4004	E572 01
44W	290	5004	E573 01
61,6W	406	7004	E574 01



W	lm	length	code colour
Tunable white 2500K-4500K - 24Vdc			
LED			
Tunable white - PWM			
2,2W	81,9	254	EA71 01
2,6W	98,3	304	EA72 01
3,1W	114,7	354	EA73 01
3,5W	131,1	404	EA74 01
4W	147,5	454	EA75 01
4,4W	163,9	504	EA76 01
4,8W	180,2	554	EA77 01
5,3W	196,6	604	EA78 01
5,7W	213	654	EA79 01
6,1W	229,4	704	EA80 01
6,6W	245,8	754	EA81 01
7W	262,2	804	EA82 01
7,5W	278,5	854	EA83 01
7,9W	294,9	904	EA84 01
8,3W	311,3	954	EA85 01
8,8W	327,7	1004	EA86 01
18W	655,4	2004	EA87 01
26W	983,1	3004	EA88 01
35W	1310,8	4004	EA89 01
44W	1638,5	5004	EA90 01
61W	2293,9	7004	EA91 01



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

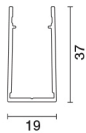
24Vdc power supply to be ordered separately.
The luminous flux [lm] and the colour temperature [K] are expressed in real values.

profiles and clip



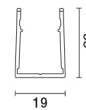
length	code colour
High linear profile	
Module	
1000	X143 12
2000	X144 12

With seating for hidden connector.
For all lengths (cut to size).
Allows the connector to be hidden in the lower part of the profile.



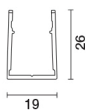
length	code colour
Low linear profile	
Module	
250	X133 12
500	X134 12
1000	X135 12
2000	X136 12

With 2 slots for the side exit of the connectors



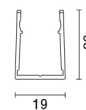
length	code colour
Intermediate low linear profile	
Module	
998	X138 12
1790	X139 12
1998	X140 12

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



length	code colour
Pair of low end linear profiles	
Module	
104	X137 12

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



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.

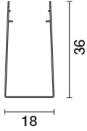
Technical information may change alongside technological progress. Consult iguzzini.com for ongoing updates.



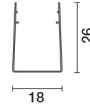
profiles and clip



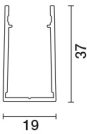
length	code	colour
Stainless steel high support clip		
Module		
40	X145	13
With seating for hidden connector. Allows the connector to be hidden in the lower part of the stainless steel clip. Designed for curved sections.		



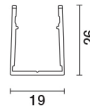
length	code	colour
Stainless steel low support clip		
Module		
40	X147	13
For products with the side exit of the connectors. Connector passage in the side part of the clip. Designed for curved sections.		



length	code	colour
Anodised aluminium high support clip		
Module		
40	X146	12
With seating for hidden connector. Allows the connector to be hidden in the lower part of the stainless steel clip. Designed for curved sections.		



length	code	colour
Anodised aluminium low support clip		
Module		
40	X142	12
For products with the side exit of the connectors. Connector passage in the side part of the clip. Designed for curved sections.		



Control gear	code	colour
IP67 box for power supply dim. 140x230x95h (6PG)	9582	00 Unfit for power supplies 9912-BZK1-MWK4-MWK5
dim. 280x190x130h (10PG)	BZ33	00
Cable with female connector IP68 for versions with LED tunable white		
L=115	X288	04
L=1500	X289	04
L=3000	X290	04
L=5000	X291	04
Cable with female connector for monochromatic LEDs IP68 With anti-detachment locknut		
L=115	X168	04
L=1500	X169	04
L=3000	X170	04
L=5000	X171	04

Control gear	code	colour
Cable with female connector for RGB IP68 With anti-detachment locknut		
L=115	X174	04
L=1500	X175	04
L=3000	X176	04
L=5000	X177	04
Cable with male connector IP68 for versions with LED tunable white		
L=1500	X292	04
L=1500	X293	04
Cable with male connector for monochromatic LEDs IP68 With anti-detachment locknut		
L=115	X172	04
L=1500	X173	04

Control gear	code	colour
Cable with male connector for RGB IP68 With anti-detachment locknut		
L=115	X178	04
L=1500	X179	04
2-way junction connector - IP68	X188	00 possible connection of max. 2 outgoing cables with connectors
4-way junction connector - IP68	X189	00 possible connection of max. 6 outgoing cables with connectors
Cap kit for IP68 connectors 10 units With anti-detachment band		
Female	X181	04
male	X180	04
Interfaces & remote units		
4-channel LED Driver with DALI-DMX 720W controller		
VIN=12÷48Vdc VOUT=5-12-24-48V	9639	00
PWM interface with DALI monochromatic LED dimmer 120W 24Vdc	MWP3	00