Underscore InOut

Design iGuzzini **iGuzzini**

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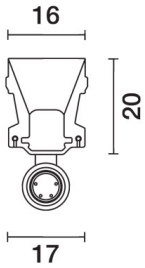
Product configuration: E422
E422: Top-Bend 16mm version - Warm white Led - 24Vdc - L=1004mm



Product code
E422: Top-Bend 16mm version - Warm white Led - 24Vdc - L=1004mm

Technical description
Luminaire for indoor and outdoor architectural linear lighting – with warm white monochrome Leds – on a 24Vdc flexible white circuit, length L=1004mm. The led circuit is completely IP68 encapsulated with a white (outside) and milky finish (over light emission) high performance polymer sheath: this material allows the device to be installed and used even at extreme temperatures: -30°C +45°C. Underscore InOut TOP-BEND can be used to create straight lines on flat and curved surfaces. Even, spotfree lighting is guaranteed along the entire strip profile up to the end parts. On both ends (not the head), the product is supplied with a cable L=80mm with IP68 male and female connectors fitted with an anti-detachment locknut. The product is supplied with stainless steel wires to stop the body from misshaping as this may damage the led circuit. Easy to install and a robust design for difficult environments (for example, it is salt water, UV and solvent resistant). Minimum curving radius 250mm for 16mm TOP-BEND versions. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation
Surface-mounted (ceiling and wall) using accessories to be ordered separately. The installation accessories available include low aluminium profiles with a double slot (L=1000-2000) that are used to secure the linear Underscore InOut, with a side exit for cables with connectors. Aluminium low clips (L=40mm) and AISI 316 stainless steel low clips (L=40mm) ideal for curved sections are available. High linear aluminium profiles (L=1000mm) are available and high aluminium or AISI 316 stainless steel clips (L=40mm) that hide the cables with the connectors in the bottom part.

Colour	**Weight (Kg)**
White (01)	0.3

Mounting
wall arm|wall surface|ceiling surface

Wiring
24Vdc ±5% LED circuit. Constant voltage ballasts to be ordered separately, both IP20 and IP67 are available and suitable for outdoor installation. DALI 120W 24V dimming interface available (code no. MWP3) or DALI/DMX/1-10V 12÷48Vdc 4-channel dimming interface available with 6A per channel, (code no. 9639) suitable for both RGB Led and white Led versions. The ballast and led strip are connected via cables with IP68 female connectors (L=115-1550-3050-5050mm) or IP68 male connectors (L=115-1500mm).

Notes
Underscore InOut can be powered in series up to a maximum length of L=7004mm. The product is not suitable for installation in swimming pools and fountains. The lengths indicated can have a tolerance of +/- 4mm compared to the nominal length.

Complies with EN60598-1 and pertinent regulations

IK10 IP68

Technical data

lm system:	395.0	MacAdam Step:	3
W system:	4.9	Life Time LED 1:	100,000h - L80 - B10 (Ta 25C)
lm source:	395	Life Time LED 2:	100,000h - L80 - B10 (Ta 40C)
W source:	4.9	Voltage [Vin]:	24
Luminous efficiency (lm/W, real value):	80.61	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	30.61	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
Beam angle [°]:	123° / 111°	Intervallo temperatura ambiente:	from -30°C to 45°C.
CRI:	80	LED current [mA]:	0.01
Colour temperature [K]:	2900	Control:	PWM