Design iGuzzini

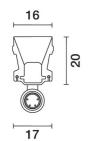
iGuzzini

Last information update: April 2025

Product configuration: E440

E440: Top-Bend 16mm version - Neutral white Led - 24Vdc - L=854mm





Product code

E440: Top-Bend 16mm version - Neutral white Led - 24Vdc - L=854mm

Technical description

Luminaire for indoor and outdoor architectural linear lighting - with neutral white monochrome Leds - on a 24Vdc flexible white circuit, length L=854mm. 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.

Surface-mounted (ceiling and wall) using accessories to be ordered separately. The installation accessories available include endlow aluminium profiles with slots (L=104mm) and intermediate-low aluminium profiles with no slots (L=998mm to be cut to size) that are used to secure the linear Underscore InOut, with its side exit for the cable with connector. 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=1000-2000mm) are available and high aluminium and 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).

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.





















Tec	hn	ica	l d	ata

Im system:	345.0	MacAdam Step:	3
W system:	4.2	Life Time LED 1:	100,000h - L80 - B10 (Ta 25C)
Im source:	345	Life Time LED 2:	100,000h - L80 - B10 (Ta 40C)
W source:	4.2	Voltage [Vin]:	24
Luminous efficiency (lm/W,	82.14	Lamp code:	LED
real value):		Number of lamps for optical	1
Im in emergency mode:	-	assembly:	
Total light flux at or above	26.74	ZVEI Code:	LED
an angle of 90° [Lm]:		Number of optical	1
Light Output Ratio (L.O.R.)	100	assemblies:	
[%]:		Intervallo temperatura	from -30°C to 45°C.
Beam angle [°]:	123° / 111°	ambiente:	
CRI:	80	LED current [mA]:	0.01
Colour temperature [K]:	3800	Control:	PWM