

## Bollard H=522 - for Underscore InOut Top-Bend 16 - L = 504

Design iGuzzini

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### Product configuration: JYX7.01+E433.01+JYX9.00

JYX7.01: Bollard H=522 - for Underscore InOut Top-Bend 16 - L = 504 - White

E433.01: Top-Bend 16mm version - Neutral white Led - 24Vdc - L=504mm - 2.5W 200lm - 3800K - White

JYX9.00: Counter-plate with anchor bolts - Indeterminate



### Product code

JYX7.01: Bollard H=522 - for Underscore InOut Top-Bend 16 - L = 504 - White **Attention! Code no longer in production**

### Technical description

Outdoor, direct light, pavement-mounted luminaire, designed to use Warm White LED lamps with a single emission, diffusing optic. The product consists of a body, an upper cover, a fixing base, a white screen and a watertight reglette containing the control gear and a led circuit. The cylindrical body is made of extruded aluminium with an upper cover and includes a die-cast aluminium lower base. The painting process includes a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The inside of the body houses two stainless steel rods fixed to the base that give the product a high level of impact resistance. The product is anchored to the ground by the fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The diffuser screen is made of opal white anti-UV polycarbonate. The body contains a watertight, satin-finish methacrylate, reglette luminaire, with plastic caps and captive stainless steel screws, a PG9 cable gland and a single output cable. The Warm White Led circuit and the electronic control gear are positioned inside the reglette luminaire. The upper cover is fixed to the body with stainless steel bolts. All accessible parts have a top temperature of 50°C. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

### Installation

The device can be applied directly to the pavement using the lower fixing base and screw anchors (Fisher type or similar) or using a fixing plate with Dakromet coated brackets, to further protect against corrosion (to be ordered separately). When ground-installing the device a drainage pipe and a gravel base for drainage should be installed under the pavement and/or concrete to guarantee the required level of protection: for more information see the instruction sheet.

### Colour

White (01)\*

### Weight (Kg)

2.48

\* Colours on request

### Mounting

ground surface|ground anchored

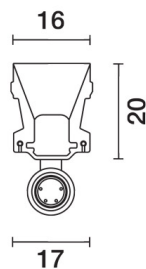
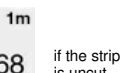
### Wiring

The 20-240V ac control gear is housed inside the watertight reglette luminaire. Complete with rubber output cable H05RN-F 2x1mm<sup>2</sup>. To make the electrical connections a separate junction well must be dug.

### Notes

Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations



### Product code

E433.01: Top-Bend 16mm version - Neutral white Led - 24Vdc - L=504mm - 2.5W 200lm - 3800K - White

### Technical description

Luminaire for indoor and outdoor architectural linear lighting – with neutral white monochrome Leds – on a 24Vdc flexible white circuit, length L=504mm. 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=500) 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=1000-2000mm) 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

White (01)

### Weight (Kg)

0.15

### Mounting

wall arm|wall surface|ceiling surface

### Wiring

24Vdc  $\pm 5\%$  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  $\pm 4$ mm compared to the nominal length.

Complies with EN60598-1 and pertinent regulations



IK10

IP68



### Accessory code

JYX9.00: Counter-plate with anchor bolts - Indeterminate **Attention! Code no longer in production**

### Technical description

Counter-plate with anchor bolts

### Colour

Indeterminate (00)

### Weight (Kg)

1.05

Complies with EN60598-1 and pertinent regulations

### Technical data

Im system:	162	MacAdam Step:	3
W system:	2.5	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	-	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	-	Voltage [Vin]:	24
Luminous efficiency (Im/W, real value):	64.8	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	85	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	81	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 45°C.
Colour temperature [K]:	3800	LED current [mA]:	10

### Polar

Imax=59 cd C0-180 $\gamma=90^\circ$		Lux				
		h	d1	d2	Em	Emax
	180°	1	3	1.7	2	17
	90°	2	5.9	3.5	0.5	4
	75°	3	8.9	5.2	0.2	2
	0°	4	11.9	7	0.1	1
$\alpha = 112^\circ / 82^\circ$						

# Isolux

