Design iGuzzini iGuzzini

Last information update: November 2024

Product configuration: E821

E821: Pole-mounted system street optic.



Product code

E821: Pole-mounted system street optic.

Technical description

Outdoor luminaire with a street optic (ST0.5), designed to use LED lamps. The optical assembly and the pole attachment system are made of EN1706AC 46100LF aluminium alloy and subjected to 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 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. Diffusor made of injection moulded polycarbonate. Complete with circuit having Neutral White monochrome LEDs and polymer optic multilayer lenses. Changeable driver and LEDs. DALI driver with automatic internal temperature control system. All external screws are made of stainless steel.

Installation

The luminaire can be installed with a pole-top mounting on poles with ø 60mm and 76mm end part using X102 and X126 accessories. Secured to the pole by two bolts.



White (01) | Black (04) | Rust Brown (F5)

Weight (Kg)

3



Mounting

pole-top

Wiring

The product is supplied wired and with an outlet cable.

Complies with EN60598-1 and pertinent regulations

















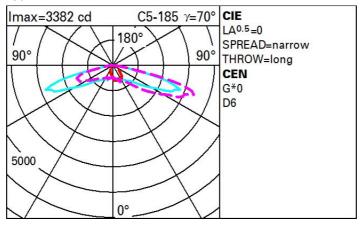




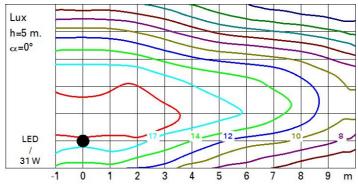
	DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org
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Technical data			
Im system:	2630	Lamp code:	LED
W system:	31	Number of lamps for optical	1
Im source:	-	assembly:	
W source:	-	ZVEI Code:	LED
Luminous efficiency (lm/W, real value):	84.8	Number of optical assemblies:	1
Im in emergency mode:	-	Intervallo temperatura	from -40°C to 50°C.
Total light flux at or above	29	ambiente:	
an angle of 90° [Lm]:		Lifetime of product at	≥ 80.000h Ta=40°C
Light Output Ratio (L.O.R.) [%]:	100	ambient operating temperature:	
CRI:	70	Power factor:	See installation instructions
Colour temperature [K]:	3000	Inrush current:	31 A / 186 μs
MacAdam Step:	3	Maximum number of	
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires
Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)		
Voltage [Vin]:	230		C16A: 51 luminaires
		Minimum dimming %:	10
		Overvoltage protection:	10kV Common mode & 6kV Differential mode
		Dimming mode:	CCR
		Control:	DALI
		2 2 3 5 11	

Polar



Isolux



Utilisation factors

