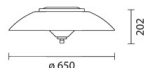# Twilight

Design iGuzzini	iGuzzini

Last information update: April 2024

Product configuration: E224
E224: Pole-mounted system for urban and residential parks and gardens.

Product code
E224: Pole-mounted system for urban and residential parks and gardens. **Attention! Code no longer in production**

Technical description
Outdoor luminaire with a symmetrical optic, designed to use LED lamps. Version with cut-off that eliminates skyward flux dispersion. 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. Diffuser made of shockproof, UV-stabilised injection moulded polycarbonate. Complete with circuit fitted with monochrome LEDs. Optical assembly consisting of an anodized super-pure aluminium upper reflector, a methacrylate lens and a lower reflector made of metallised PC. Replaceable LEDs and driver. Electronic driver with Middle of the Night profile and 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.

Colour	Weight (Kg)
Grey (15)	4.89

Mounting
pole-top

Wiring
The product is supplied wired and with an outlet cable 1500mm long.

Notes
Overvoltage protection: 5KV Common Mode, 4KV Differential Mode

Complies with EN60598-1 and pertinent regulations

IK10 IP66 CE

Technical data

lm system:	3110.0	MacAdam Step:	2
W system:	30.8	Life Time LED 1:	52,000h - L90 - B10 (Ta 25C)
lm source:	3110	Life Time LED 2:	100,000h - L80 - B10 (Ta 25C)
W source:	27	Life Time LED 3:	41,000h - L90 - B10 (Ta 40C)
Luminous efficiency (lm/W, real value):	100.97	Life Time LED 4:	100,000h - L80 - B10 (Ta 40C)
		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]:	0.0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
Beam angle [°]:	150° / 148°	Intervallo temperatura ambiente:	from -40°C to 40°C.
CRI:	80		
Colour temperature [K]:	4000	Control:	Middle of the night