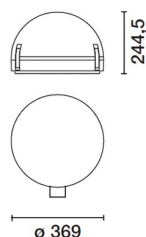


Last information update: October 2023

**Product configuration: EG91**

EG91: Pole-mounted system - Neutral White - ST1 optic

**Product code**EG91: Pole-mounted system - Neutral White - ST1 optic **Attention! Code no longer in production****Technical description**

Outdoor luminaire with direct light street optic for a high level of visual comfort (G4), designed to use LED lamps. The optical assembly, door and pole-top are made of EN1706AC 46100LF aluminium alloy, 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 resistance. Adjustment with graduated scale for angle relative to the road surface + 15°/-5°. 4 mm thick sodium-calcium glass diffuser. Optical assembly and door fixed together by a hinge and two clips, allowing tool-free opening. High level IP66 protection is guaranteed by the 50 Shore black silicone seal interposed between the two elements. Steel lid automatic retention system. Optical assembly complete with decompression valve, to clear the internal vacuum for easy opening. Complete with circuit having Neutral White monochrome LEDs, silver aluminium reflectors. LEDs can be substituted in the lab in groups of 12. Control gear, connected using quick-couplings and removed using clips. Driver with automatic internal temperature control system. DALI electronic control gear. Midnight mode (100%-70%) or Bi-energy operation without external programming. Personalised Midnight programmable, fixed dimming, compatibility with flux regulators, via a special programming interface. Control gear connected using quick-coupling connectors. Driver with automatic internal temperature control system. Selv 220-240V ac 50/60Hz electronic ballast. Replaceable control gear. The optical assembly is fixed to the wall-mounting or pole-top attachment by two fixing screws with the Elicel system. Two safety bolts make it easy to fit. There is no light dispersion into the upper hemisphere above this luminaire in the horizontal position (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

**Installation**

The floodlight can be installed on a pole (even with an arm), with single, double (ø60/ø76/ø102/ø120mm) or triple (ø102/ø120mm) pole-top attachment, or it can be wall-mounted. Installation on a pole may be flush with 6000 mm, 7000 mm or 8000 mm poles (from iGuzzini), or external (with poles not from iGuzzini). Versions with poles for burial and with base-plate. Installation on pole with arms, made of hot galvanised steel coated with acrylic liquid paint, using a flange with ø102/ø120mm (for all poles) or with screws (only for iGuzzini poles).

**Colour**

Grey (15)

**Weight (Kg)**

9.4

**Mounting**

wall arm|ground surface|wall surface

**Wiring**

The attachment guarantees the completely safe passage of power cables, avoiding piercing. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode. Product perfect watertightness at the power cable entry point is guaranteed by the PG M24x1.5 mm cable gland made of thermoplastic material, thrust ring and rubber gasket, achieving insulation class II.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	6750.0	Life Time LED 1:	100,000h - L90 - B10 (Ta 25C)
W system:	56.0	Life Time LED 2:	100,000h - L80 - B10 (Ta 25C)
Im source:	6750	Life Time LED 3:	79,000h - L90 - B10 (Ta 40C)
W source:	51	Life Time LED 4:	100,000h - L80 - B10 (Ta 40C)
Luminous efficiency (Im/W, real value):	120.54	Ballast losses [W]:	5.0
Im in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0.0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	100	ZVEI Code:	LED
Beam angle [°]:	152° / 72°	Number of optical assemblies:	1
CRI:	70	Intervallo temperatura ambiente:	from -40°C to 50°C.
Colour temperature [K]:	4000	Control:	DALI
MacAdam Step:	3		