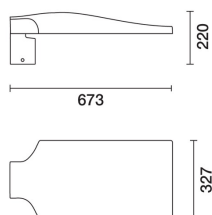


Last information update: May 2024

**Product configuration: EF89**

EF89: Pole-mounted system - A45 optic - Neutral White - MidNight - 76 HO

**Product code**EF89: Pole-mounted system - A45 optic - Neutral White - MidNight - 76 HO **Attention! Code no longer in production****Technical description**

Outdoor luminaire with direct light street optic, designed to use LED lamps. The optical assembly and the pole attachment system 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 textured liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. Option of adjusting the inclination in relation to the road surface of +20°/-5° (in 5° steps) for a pole-top installation and +5°/20° (in 5° steps) for a lateral installation. 5 mm thick sodium-calcium closing glass secured to product with 4 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with monochrome LED circuit and polymer optic multilayer lenses. Electronic control gear with 100%-70% Middle of the Night profile. Driver with automatic internal temperature control system. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode. Optic and wiring compartment can be opened with everyday tools. The light flow emitted in the upper hemisphere of the system in the horizontal position is null (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 with pole-top or lateral mounting using a die-cast aluminium pole-top for end diameters of  $\varnothing$  46/60/76 mm.

**Colour**

Grey (15)

**Weight (Kg)**

9.85

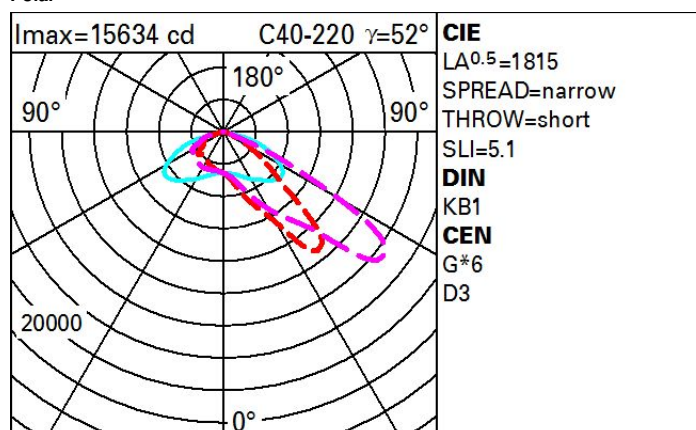
**Mounting**

wall arm/pole-top

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	21110	MacAdam Step:	3
W system:	153	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	-	Voltage [Vin]:	230
W source:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	138	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	Intervallo temperatura ambiente:	from -40°C to 35°C.
CRI (minimum):	70	Control:	Middle of the night
Colour temperature [K]:	4000		

**Polar**

# Isolux

