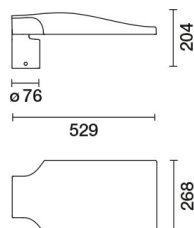


Last information update: February 2020

**Pole-mounted system - ST1 optic - Neutral White - MidNight - ø 46-60-76mm****Product code**
EH77**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 ø 46/60/76 mm.

Dimension (mm)
529x268x204**Colour**
Grey (15)**Weight (Kg)**
6.05**Mounting**
wall arm/pole-top

Complies with EN60598-1 and pertinent regulations



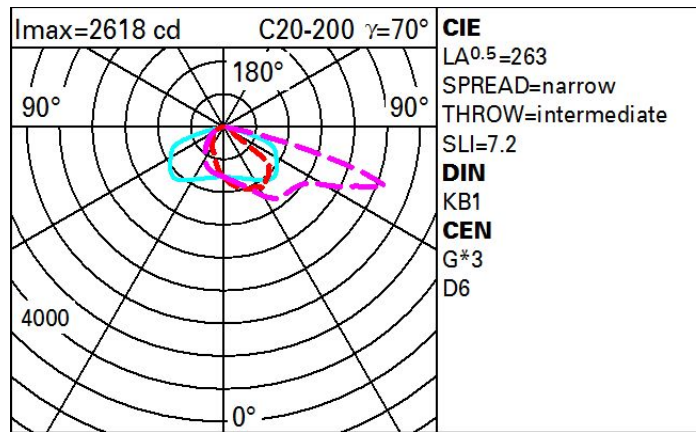
IK09

IP67

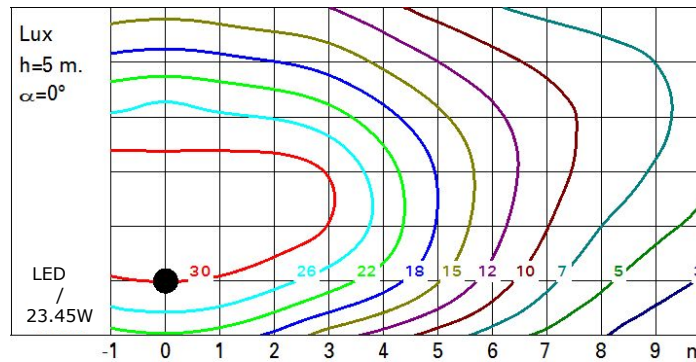
**Product configuration: EH77****Technical data**

Im system:	3050	Ballast losses [W]:	3.2
W system:	23.45	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	131.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Ambient operating temperature range:	from -40 °C to 50 °C.
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	On request
CRI:	70	Inrush current:	43 A / 260 µs
Colour temperature [K]:	4000	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
MacAdam Step:	5	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25 °C)	Control:	Middle of the night
Life Time LED 2:	100,000h - L90 - B10 (Ta 40 °C)		

Polar



Isolux



Utilisation factors

