Street

Design iGuzzini   **iGuzzini**

Last information update: June 2025

Product configuration: UH45.15

UH45.15: Pole-mounted system – STF1 optic - Warm White - ø46-60-76mm - 49.5W 7180lm - 3000K - Grey

Product code

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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 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 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 by +20°/-5° (in 5° steps) for a pole-top installation and +5°/20° (in 5° steps) for a lateral installation. 5 mm thick extra-clear sodium-calcium closure glass fastened to the product with 4 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit featuring monochrome LEDs and polymer optic lenses. Driver with automatic internal temperature control system. The wiring and optical compartment can be opened with everyday tools or tool-free devices. The luminous flux 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 spotlight can be installed with a pole-top or lateral mounting.

Colour	Weight (Kg)
Grey (15)	6.05

Mounting

wall arm|pole-top

Notes

In the event of installations on insulated supports (like fibreglass poles) it is mandatory (or strongly recommended) to use the accessory code X899 to protect the luminaire from eventual faults due to electrostatic charges.

Complies with EN60598-1 and pertinent regulations
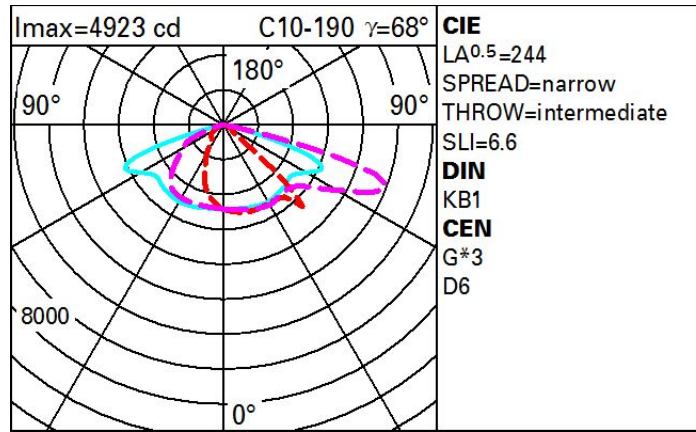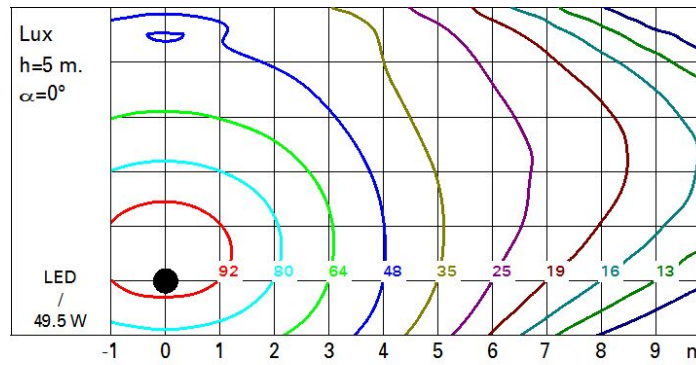
IK09 IP67 IP66 CE DARKSKY APPROVED Reduces light pollution Certified by DarkSky.org

Technical data

lm system:	7180	Voltage [Vin]:	230
W system:	49.5	Lamp code:	LED
lm source:	-	Number of lamps for optical assembly:	1
W source:	-		
Luminous efficiency (lm/W, real value):	145.1	ZVEI Code:	LED
		Number of optical assemblies:	1
lm in emergency mode:	-		
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -40°C to 35°C.
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	See installation instructions
CRI (minimum):	70	Inrush current:	32 A / - µs
Colour temperature [K]:	3000	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:	3		
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		
		Minimum dimming %:	5
		Overvoltage protection:	10kV Common mode & 6kV Differential mode
		Control:	Midnight preset/DALI NFC

Polar

Imax=4923 cd C10-190 γ=68°	**CIE** LA^0.5=244 SPREAD=narrow THROW=intermediate SLI=6.6 **DIN** KB1 **CEN** G*3 D6

Imax=4923 cd   C10-190 γ=68°

180°

90°   90°

8000

0°

CIE
LA$^{0.5}$=244
SPREAD=narrow
THROW=intermediate
SLI=6.6
DIN
KB1
CEN
G*3
D6

Isolux

Lux
h=5 m.
α=0°

LED
/
49.5 W

92 80 64 48 35 25 19 16 13

-1 0 1 2 3 4 5 6 7 8 9 m

Utilisation factors

RS ———   KS − − − − −

η
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

L/H   1   2   3   4