Platea Pro

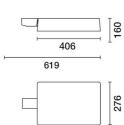**Design Jean-Michel Wilmotte**   **iGuzzini**

Last information update: November 2024

Product configuration: P891

P891: Pole-mounted system - Large body optical assembly - Warm White - A45 street optic.

Product code

P891: Pole-mounted system - Large body optical assembly - Warm White - A45 street optic.

Technical description

Outdoor luminaire with direct light street optic, designed to use LED lamps. The optical assembly is 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 an acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. With a 5 mm thick tempered sodium-calcium glass cover. When pole-mounted the product can be adjusted by +15°/ -5° and +5°/-15 when side-mounted. High visual comfort. Polymer optic lenses offering high yield and even light distribution. Complete with circuit fitted with Warm White monochrome power LEDs. Extractable control gear connected with quick-coupling connectors. 220-240V ac 50/60Hz DALI electronic ballast. The optical assembly is fixed to the ceiling or pole-top attachment by two fixing screws. 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 on the pole-top with a die-cast aluminium single/double attachment for ø60/76/102/120mm poles or a triple attachment for ø102/120 mm poles. Side die-cast aluminium attachment for tapered poles with diameters between ø 46 and ø76.

Colour	Weight (Kg)
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	8.3

Mounting

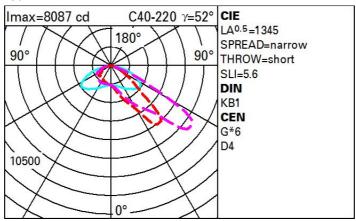wall arm|pole arm|pole-top side entry|pole-top

Wiring

The product is connected by inserting the mains cables in a push in terminal board. Resistance to mains voltage spikes of up to 10KV. Product perfect watertightness at the power cable entry point is guaranteed by a nickel-plated brass M24x1.5 cable clamp, suitable for cables with a max external 16mm ø (1,5-2.5mm² cross section).
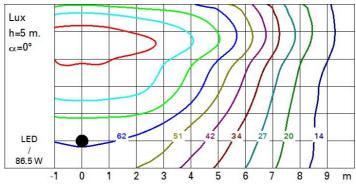
Complies with EN60598-1 and pertinent regulations

IK08   IP66   CE   UKCA

Technical data

lm system:	10820	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	86.5	Lamp code:	LED
lm source:	-	Number of lamps for optical assembly:	1
W source:	-		
Luminous efficiency (lm/W, real value):	125.1	ZVEI Code:	LED
lm in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -40°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	See installation instructions
		Inrush current:	102 A / 106 µs
CRI (minimum):	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 7 luminaires
Colour temperature [K]:	3000		B16A: 12 luminaires
MacAdam Step:	3		C10A: 12 luminaires
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		C16A: 20 luminaires
		Minimum dimming %:	10
		Overvoltage protection:	10kV Common mode & 6kV Differential mode
		Control:	DALI-2

Polar

Imax=8087 cd	C40-220 γ=52°	**CIE**

180°

90°   90°

LA^0.5=1345
SPREAD=narrow
THROW=short
SLI=5.6
DIN
KB1
CEN
G*6
D4

10500

0°

Isolux

Lux
h=5 m.
α=0°

LED
/
86.5 W

62   51   42   34   27   20   14

-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