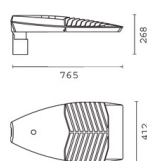# Archilede HP

Design iGuzzini	**iGuzzini**

Last information update: May 2024

Product configuration: ED24
ED24: Pole-mounted system – ST1.2 optic – Warm White – Middle of the Night - ø46–60–76mm

Product code
ED24: Pole-mounted system – ST1.2 optic – Warm White – Middle of the Night - ø46–60–76mm **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 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 liquid acrylic paint, cured at 150 °C, with a high level of weather resistance. Option of also adjusting, with a graduated scale, the inclination in relation to the road surface of +15°/-10° (in 5° steps) for a pole-top installation and +5°/20° (in 5° steps) for a lateral installation. 5 mm thick tempered sodium-calcium closure glass. The glass secured to the frame closes the led optical assembly which is secured to the components assembly with a hinge and 2 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit featuring monochrome LEDs and silver aluminium reflectors. LED assembly can be replaced directly on site. Possibility of replacing the LEDs in groups of 12 in the laboratory. Middle of the Night (100%-70%) electronic control gear. Dali or Bi-energy mode without external programming operation. Customised Midnight programming, fixed dimming and compatibility with flow regulators via a special programming interface. Control gear connected with quick-coupling connectors. Driver with automatic internal temperature control system. Tool-free removable control gear plate unit. The optical assembly is fixed to the wall-mounted or pole-top attachment with two clamping screws and two safety grub screws facilitate assembly. 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 diameters of 46/60/76 mm. Diameters from 60 to 76 mm without using the standard adaptor, and from 46 to 60 mm with the adaptor. Secured to the pole by two bolts and two safety locking nuts.

Colour
Grey (15)

Mounting
wall arm|pole-top

Wiring
The pole-top attachment guarantees the completely safe passage of power cables, avoiding piercing. 6-pole terminal board for ø 7-14mm cables. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode
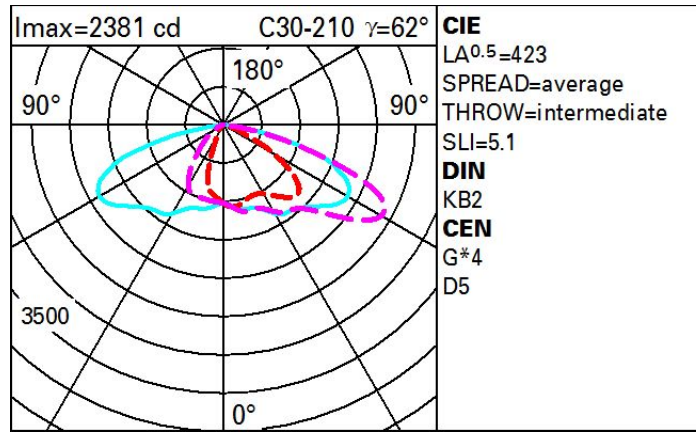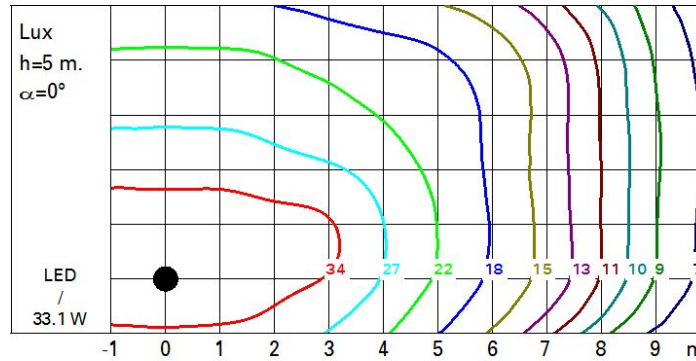
Complies with EN60598-1 and pertinent regulations

IK08 IP67 CE

Technical data

lm system:	4220	MacAdam Step:	3
W system:	33.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	-	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	-	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	127.5	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
CRI (minimum):	70	Intervallo temperatura ambiente:	from -40°C to 50°C.
Colour temperature [K]:	3000	Control:	Middle of the night

Polar

Imax=2381 cd   C30-210 γ=62°

180°

90°   90°

3500

0°

CIE
LA$^{0.5}$=423
SPREAD=average
THROW=intermediate
SLI=5.1
DIN
KB2
CEN
G*4
D5

Isolux

Lux
h=5 m.
α=0°

LED
/
33.1 W

34   27   22   18   15   13   11   10   9   7

-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