iTeka

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Last information update: April 2024

Product configuration: BV19
BV19: Floodlight with pole (H=3500mm) - Warm White - ST1C comfort street optic

Product code
BV19: Floodlight with pole (H=3500mm) - Warm White - ST1C comfort street optic **Attention! Code no longer in production**

Technical description
Pole lighting system with high, visual comfort, downlight optic G6, designed for use with LED lamps and consisting of a 70 micron, hot-galvanised, EN10025-S235JR stainless steel support coated with textured powder paint, and an aluminium alloy fastening plate and cover.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 and UV ray resistance. 4 mm thick, transparent, sodium-calcium tempered glass closure, joined to the frame with silicone. The frame is secured to the optical assembly with two AISI 304 stainless steel, captive screws and an AISI 303 stainless steel hinged pin with a 50 Shore silicone gasket between them. The device can be adjusted vertically by +45°/-60° and 337° horizontally with a mechanical locking mechanism for precision aiming. The body and frame include slots for rainwater drainage. The product consists of a die-cast aluminium alloy base fitted with a PG 11, EPDM, double cable gland for pass-through wiring. Patented Optismart optic system, complete with circuit fitted with Warm White monochrome LEDs and silver aluminium reflectors. Replaceable LEDs. Selv electronic control gear, connected using quick-couplings and removed using clips. Replaceable control gear. There is no light dispersion into the upper hemisphere above this luminaire when it is in a horizontal position (in compliance with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

Installation
Device can be mounted on pavements (concrete, solid brick and natural stone) using the accessory installation kit (art. 5596) or on the ground (with a concrete plinth) using a fixing plate with accessory anchors (art. B518).

Colour
Grey (15)

Mounting
wall arm|wall surface|ground spike

Wiring
Luminaire with electromagnetic control gear fixed to the body by means of an aluminium plate and connected to the LED circuit with quick-couplings. Resistance to mains voltage peaks of up to 4KV (with varistor).
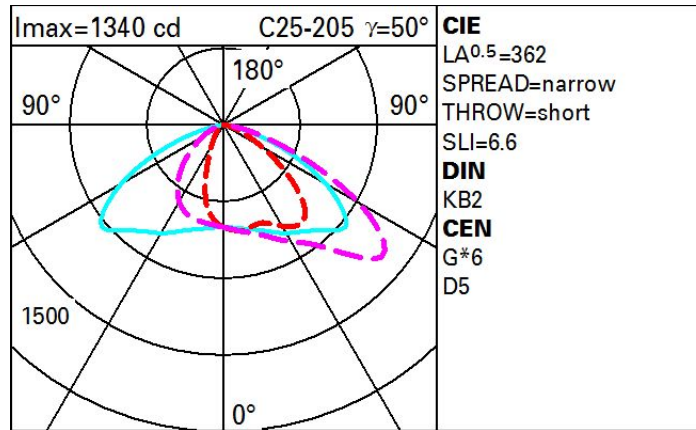
Notes
Fitting complete with lamp

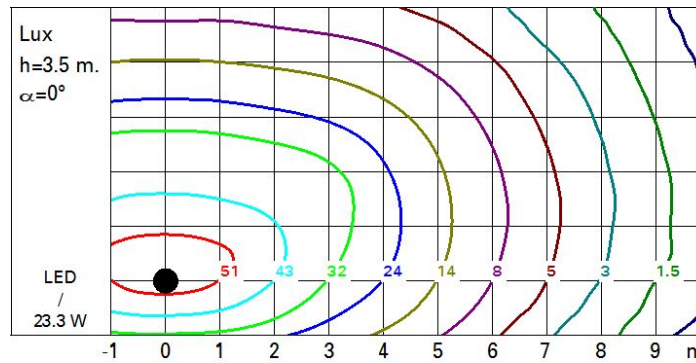Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	2280	MacAdam Step:	3
W system:	23.3	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:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	97.9	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 -20°C to +35°C.
CRI (minimum):	70	Control:	On/off
Colour temperature [K]:	3000		

Polar

Imax=1340 cd   C25-205 γ=50°

CIE
LA^0.5=362
SPREAD=narrow
THROW=short
SLI=6.6
DIN
KB2
CEN
G*6
D5

180°

90°   90°

1500

0°

Isolux

Lux
h=3.5 m.
α=0°

LED
/
23.3 W

51 43 32 24 14 8 5 3 1.5

-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