iTeka

Design Mario Cucinella   **iGuzzini**
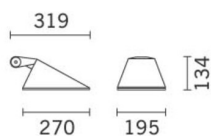
Last information update: April 2024

Product configuration: BV22
BV22: Pole-mounted floodlight - Warm White - ST1-BIREGIME street optic

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Product code
BV22: Pole-mounted floodlight - Warm White - ST1-BIREGIME street optic **Attention! Code no longer in production**

Technical description
Outdoor, pole-mounted luminaire with high, visual comfort, downlight and street optic G4, designed for use with 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 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. Complete with circuit having Warm White monochrome LEDs and silver aluminium reflectors. Replaceable LEDs. BIREGIME 100%_50% electronic control gear. 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
The floodlight can be installed with a pole-top (single and double) using a die-cast aluminium cylinder. Available diameters: 60 and 76mm. Secured to pole by two bolts and two safety locking nuts.

Colour	Weight (Kg)
Grey (15)	2

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).
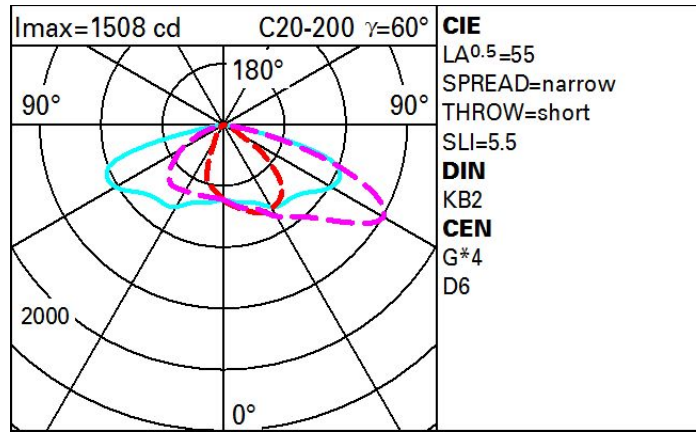
Notes
Fitting complete with lamp
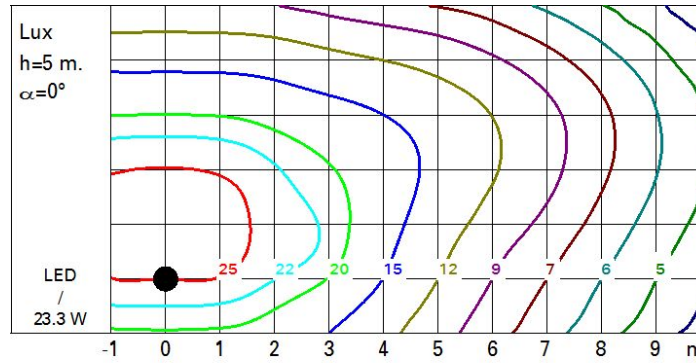
Complies with EN60598-1 and pertinent regulations

□ 750°C IK09 IP66

Technical data

lm system:	2470	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):	106	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:	Biregime
Colour temperature [K]:	3000		

Polar

Imax=1508 cd   C20-200 γ=60°

180°
90°   90°
2000
0°

CIE
$LA^{0.5}$=55
SPREAD=narrow
THROW=short
SLI=5.5
DIN
KB2
CEN
G*4
D6

Isolux

Lux
h=5 m.
α=0°

LED
/
23.3 W

25 22 20 15 12 9 7 6 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