iTeka

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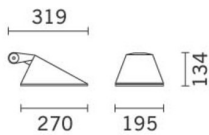
Last information update: May 2024

Product configuration: BU49
BU49: Pole-mounted floodlight - Neutral White - A45C-DALI symmetrical, comfort optic

Product code
BU49: Pole-mounted floodlight - Neutral White - A45C-DALI symmetrical, comfort optic **Attention! Code no longer in production**

Technical description
Outdoor pole-mounted luminaire with high, visual comfort downlight and an asymmetrical 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 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 Neutral White monochrome LEDs and silver aluminium reflectors. Replaceable LEDs. DALI selv 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).
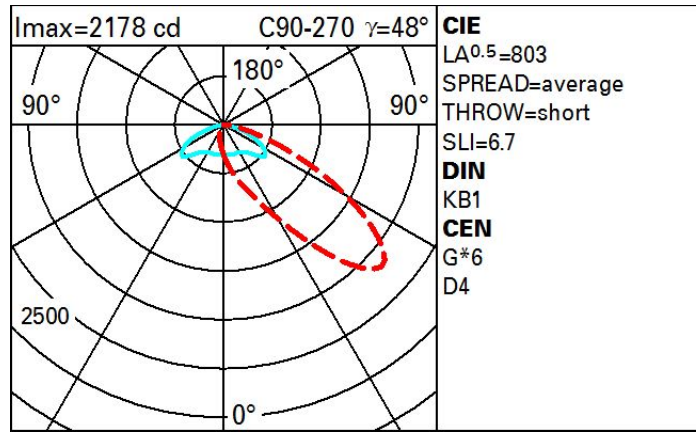
Notes
Fitting complete with lamp

Complies with EN60598-1 and pertinent regulations

750°C   IK09   IP66   03   EHC   NOM-13

Technical data

Im system:	2510	MacAdam Step:	3
W system:	23.3	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	-	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	-	Lamp code:	LED
Luminous efficiency (lm/W, real value):	107.7	Number of lamps for optical assembly:	1
Im 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:	DALI
Colour temperature [K]:	4000		

Polar

Imax=2178 cd   C90-270 γ=48°

180°

90°   90°

2500

0°

CIE
LA$^{0.5}$=803
SPREAD=average
THROW=short
SLI=6.7
DIN
KB1
CEN
G*6
D4

Isolux

Lux
h=0.13 m.
α=0°

LED
/
23.3 W

3   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0

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