iGuzzini

Last information update: November 2024

Product configuration: EC51

EC51: Pole-mounted system - ST1.2 optic - Warm White - Dali - ø46-60-76mm





#### Product code

EC51: Pole-mounted system - ST1.2 optic - Warm White - Dali - ø46-60-76mm

#### 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, pretreatment process, in which the main phases are: degreasing, fluorozirconation (a protective surface film) and sealing (with a nanostructured 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. DALI electronic control gear. 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	Weight (Kg)
White (01)   Black (04)   Grev (15)   Bust Brown (F5)	9

## Mounting

wall arm|pole-top

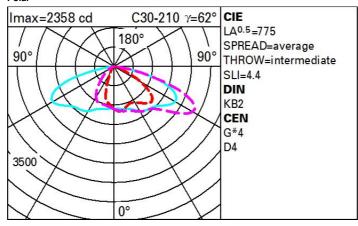
# Wiring

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

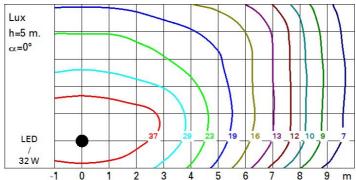


Technical data			
Im system:	4280	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	32	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical	1
Luminous efficiency (Im/W,	133.8	assembly:	
real value):		ZVEI Code:	LED
Im in emergency mode:	-	Number of optical	1
Total light flux at or above	0	assemblies:	
an angle of 90° [Lm]:		Intervallo temperatura	from -40°C to 50°C.
Light Output Ratio (L.O.R.)	100	ambiente:	
[%]:		Power factor:	See installation instructions
CRI (minimum):	70	Inrush current:	43 A / 260 μs
Colour temperature [K]:	3000	Maximum number of	
MacAdam Step:	3	luminaires of this type per	B10A: 6 luminaires
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	miniature circuit breaker:	B16A: 10 luminaires
			C10A: 10 luminaires
			C16A: 17 luminaires
		Overvoltage protection:	10kV Common mode & 6kV Differential mode
		Control:	DALI-2

## Polar



# Isolux



# Utilisation factors

