iGuzzini

Last information update: October 2024

**Product configuration: EP57** 

EP57: Spotlight with bracket - Warm White LED - DALI - Super Spot optic



165



#### Product code

EP57: Spotlight with bracket - Warm White LED - DALI - Super Spot optic

#### Technical description

Floodlight designed to use Warm White LED lamps with a Super Spot optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. The luminaire consists of an optical assembly/component-holding box and hidden fixing bracket. The optical assembly and front frame are made of die-cast aluminium alloy painted with a smooth finish (grey RAL 9007) or a textured finish (white RAL 9016). The painting process includes 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 next 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. The tempered sodium-calcium glass cover has customised serigraphy, is 5mm thick, and joined to the frame with silicone. The frame is fastened to the optical assembly by captive M5 AISI 304 stainless steel screws and a galvanised steel safety cable. The product comes complete with a Warm White colour, monochrome LED circuit, an optic with a 99.93% super-pure aluminium Opti Beam Lens reflector with a polished, anodized surface and built-in electronic ballast. The component-holding box, in the rear of the luminaire, is set up to hold the control gear, which is fixed with captive screws on a galvanised steel pull-out plate. The control gear can be accessed through the rear door made of painted aluminium alloy, fixed to the product body with four M5 AISI 304 stainless steel captive screws and a safety cable. iPro can be adjusted  $+95^{\circ}/\ -5^{\circ}$  relative to the horizontal line using a bracket made of extruded aluminium, on which a graduated scale (with 15° steps) is marked using serigraphy. The internal silicone seals guarantee watertightness IP66h Set up for pass-through wiring using a double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

#### Installation

Ground, wall or ceiling installation using special bracket. Secure using screw anchors for concrete, cement and solid brick.

Colour Weight (Kg) White (01) | Black (04) | Grey (15) | Rust Brown (F5) 3.9

#### Mounting

wall arm|ground surface|wall surface|ground anchored|ground spike|ceiling surface|u-bracket

## Wiring

Control gear complete with dimmable DALI electronic ballast.

### Notes

Overvoltage protection: 3KV Common Mode and 2KV Differential Mode (we recommend using the JAL6 item code).





















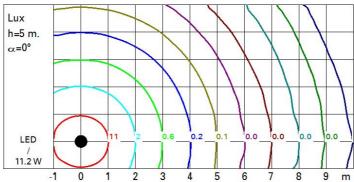


Technical data					
Im system:	550	Life Time LED 2:	69,000h - L80 - B10 (Ta 40°C)		
W system:	11.2	Voltage [Vin]:	230		
Im source:	1000	Lamp code:	LED		
W source:	9.3	Number of lamps for optical	1		
Luminous efficiency (Im/W,	49.1	assembly:			
real value):		ZVEI Code:	LED		
Im in emergency mode:	-	Number of optical	1		
Total light flux at or above	0	assemblies:			
an angle of 90° [Lm]:		Intervallo temperatura	from -25°C to 50°C.		
Light Output Ratio (L.O.R.)		ambiente:			
[%]:		Power factor:	See installation instructions		
Beam angle [°]:	8°	Inrush current:	5 A / 50 μs		
CRI (minimum):	80	Maximum number of			
Colour temperature [K]:	3000	luminaires of this type per	B10A: 31 luminaires B16A: 50 luminaires		
MacAdam Step:	2	miniature circuit breaker:			
Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)		C10A: 52 luminaires C16A: 85 luminaires		
		Minimum dimming %:	1		
		Overvoltage protection:	4kV Common mode & 2kV Differential mode		
		Control:	DALI-2		

## Polar

Imax=20307 cd	C0-180 Lux	X			
90°	90° ł	n d1	d2	Em	Emax
	10	1.4	1.4	159	203
	20	2.8	2.8	40	51
20000	30	4.2	4.2	18	23
α=8°	40	5.6	5.6	10	13

# Isolux



## UGR diagram

D:0											
Rifle		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl. Room dim		0.50	0.30	0.50	0.30	0.30	0.70 0.50 0.20	0.70	0.50	0.30	0.30
		crosswise				endwise					
				-							
2Н	2H	-2.6	-0.6	-2.2	-0.3	0.0	-2.8	8.0-	-2.4	-0.5	-0.2
	ЗН	-2.6	-1.6	-2.3	-1.3	-1.0	-2.7	-1.7	-2.4	-1.4	-1.1
	4H	-2.6	-2.0	-2.3	-1.7	-1.3	-2.7	-2.0	-2.4	-1.7	-1.4
	бН	-2.7	-2.3	-2.3	-2.0	-1.6	-2.7	-2.3	-2.4	-2.0	-1.7
	HS	-2.8	-2.2	-2.4	-1.9	-1.5	-2.8	-2.2	-2.5	-1.9	-1.6
	12H	-2.9	-2.1	-2.5	-1.7	-1.4	-3.0	-2.1	-2.6	-1.8	-1.4
4H	2H	-2.5	-1.9	-2.2	-1.6	-1.2	-2.8	-2.1	-2.5	-1.8	-1.5
	ЗН	-2.8	-1.9	-2.4	-1.6	-1.2	-3.0	-2.1	-2.6	-1.8	-1.4
	4H	-3.1	-1.7	-2.6	-1.3	8.0-	-3.2	-1.8	-2.8	-1.4	-1.0
	6H	-3.4	-1.5	-2.9	-1.0	-0.6	-3.5	-1.7	-3.0	-1.2	-0.7
	HS	-3.5	-1.5	-3.0	-1.0	-0.5	-3.6	-1.7	-3.1	-1.2	-0.7
	12H	-3.5	-1.6	-3.0	-1.2	-0.6	-3.7	-1.8	-3.2	-1.3	-0.8
вн	4H	-3.5	-1.5	-3.0	-1.0	-0.5	-3.6	-1.7	-3.1	-1.2	-0.7
	6H	-3.4	-1.9	-2.9	-1.5	-1.0	-3.6	-2.1	-3.1	-1.6	-1.
	нв	-3.4	-2.3	-2.8	-1.8	-1.3	-3.5	-2.5	-3.0	-2.0	-1.5
	12H	-3.2	-2.7	-2.7	-2.2	-1.7	-3.3	-2.9	-2.8	-2.4	-1.9
12H	4H	-3.5	-1.6	-3.0	-1.2	-0.6	-3.7	-1.8	-3.2	-1.3	-0.8
	бН	-3.4	-2.3	-2.8	-1.8	-1.3	-3.5	-2.5	-3.0	-2.0	-1.5
	HS	-3.2	-2.7	-2.7	-2.2	-1.7	-3.3	-2.9	-2.8	-2.4	-1.9
Varia	tions wi	th the ob	server p	osition a	at spacir	ıg:					
S =	1.0H	3.1 / -3.6				3.2 / -3.9					
	1.5H	5.4 / -5.7				5.5 / -6.2					
	2.0H	7.3 / -24.7				7.4 / -33.3					