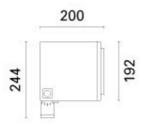
Last information update: November 2024

Product configuration: EP74

EP74: Spotlight with bracket - Neutral White LED - DALI - Spot optic





Product code

EP74: Spotlight with bracket - Neutral White LED - DALI - Spot optic

Technical description

Floodlight designed to use Neutral White LED lamps with a 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 includes a Neutral White monochrome LED circuit and an Opti Beam Lens optic. 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°/-5° 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. It can also be installed on a MultiPro pole system using suitable accessories.

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Rust Brown (F5)	6.3

Mounting

 $wall\ arm|pole\ arm|ground\ surface|wall\ surface|ground\ anchored|ground\ spike|ceiling\ surface|u\mbox{-}bracket$

Wiring

Control gear complete with dimmable DALI electronic ballast.

Notes

Overvoltage protection: 6KV Common Mode and 4KV Differential Mode.

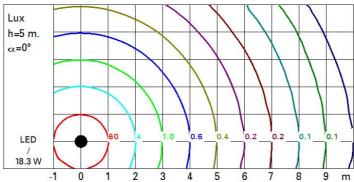


Technical data					
Im system:	1351	MacAdam Step:	2		
W system:	18.3	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		
Im source:	2290	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)		
W source:	16	Voltage [Vin]:	230		
Luminous efficiency (lm/W,	73.8	Lamp code:	LED		
real value):		Number of lamps for optical	1		
Im in emergency mode:	-	assembly:			
Total light flux at or above	0	ZVEI Code:	LED		
an angle of 90° [Lm]:		Number of optical	1		
Light Output Ratio (L.O.R.)	59	assemblies:			
[%]:		Intervallo temperatura	from -30°C to 50°C.		
Beam angle [°]:	10°	ambiente:			
CRI (minimum):	80	Control:	DALI-2		
Colour temperature [K]:	4000				

Polar

Imax=33092 cd	C0-180 Lux	(
90°	90° h	d1	d2	Em	Emax
	12	2.1	2.1	179	230
	24	4.1	4.2	45	57
36000	36	6.2	6.3	20	26
α=10°	48	8.2	8.4	11	14

Isolux



UGR diagram

Rifled	ct.:										
ceil/cav walls work pl.		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		EXCHANGE.		viewed			6.30000		viewed		
x	У	crosswise					endwise				
2H	2H	3.8	5.8	4.2	6.1	6.4	3.6	5.6	4.0	5.9	6.3
	ЗН	4.5	5.6	4.9	5.9	6.3	4.1	5.2	4.4	5.5	5.8
	4H	4.6	5.3	4.9	5.6	5.9	4.2	5.0	4.6	5.3	5.6
	бН	4.5	5.0	4.9	5.3	5.6	4.2	4.7	4.6	5.0	5.3
	HS	4.4	5.1	4.8	5.4	5.7	4.1	4.8	4.5	5.1	5.4
	12H	4.3	5.2	4.7	5.5	5.9	4.0	4.9	4.4	5.2	5.0
4H	2H	4.3	5.1	4.7	5.4	5.7	4.4	5.1	4.7	5.5	5.8
	ЗН	4.9	5.8	5.3	6.1	6.5	4.7	5.5	5.1	5.9	6.2
	4H	4.7	6.0	5.2	6.4	6.8	4.6	5.9	5.0	6.3	6.7
	бН	4.4	6.2	4.9	6.7	7.2	4.3	6.1	4.8	6.6	7.
	HS	4.3	6.2	4.8	6.7	7.2	4.2	6.1	4.7	6.6	7.
	12H	4.2	6.1	4.8	6.6	7.1	4.1	6.0	4.6	6.5	7.0
ВН	4H	4.4	6.3	4.8	6.7	7.3	4.2	6.1	4.7	6.6	7.
	6H	4.3	5.9	4.8	6.4	6.9	4.2	5.7	4.7	6.2	6.
	HS	4.4	5.5	4.9	6.0	6.5	4.3	5.4	4.8	5.9	6.4
	12H	4.6	5.1	5.1	5.6	6.2	4.4	5.0	4.9	5.5	6.0
2H	4H	4.3	6.2	4.8	6.6	7.2	4.1	6.0	4.6	6.5	7.0
	бН	4.4	5.5	4.9	6.0	6.5	4.3	5.4	4.8	5.9	6.
	HS	4.6	5.1	5.1	5.6	6.2	4.4	5.0	4.9	5.5	6.0
Varia	tions wi	th the ol	oserverp	osition a	at spacir	ng:					
S =	1.0H			.3 / -0.					.2 / -0.		
	1.5H	0.6 / -1.2				0.7 / -1.4					
	2.0H		1	.4 / -2.	9			1	.3 / -2.	8	