Design Mario

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Last information update: November 2024

Product configuration: BU92

BU92: Spotlight with bracket - Neutral White COB LED - Integrated electronic control gear dimm 1-10V - 50° Wide Flood optic





Product code

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Technical description

Spotlight designed to use Neutral White COB LED lamps and a wide flood optic. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optic assembly, component box, glass-holder frame and bracket. The optical assembly, component box, and glass-holder frame 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 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 4 mm thick, tempered, sodium-calcium, closing glass is colourless, transparent and a seal is included. The 50/60 Shore A silicone seal is subjected to a post-curing treatment, in an oven, for 4 hours at 220 °C. The glass unit is fixed to the frame with silicone. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% super-pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. Zinc-coated stainless steel ballast holding plate; simplified extraordinary maintenance thanks to quick-coupling connectors between the control gear and the LED and the control gear and the wiring terminal block. Painted aluminium alloy box and rear cover, complete with spacers and captive screws. The floodlight can be adjusted by ±115° in the vertical plane using a painted steel bracket, with a graduated scale showing 10° steps and mechanical stops to guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket. Access to the optical assembly is simpler thanks to a nickel-plated brass decompression valve which eliminates the product internal vacuum. Set up for pass-through wiring using a double M24x1.5 nickelplated brass cable gland (suitable for cables with 7÷16mm diameter). All external screws used are made of A2 stainless steel and are of the captive type. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

The luminaire can be floor, ceiling or wall-mounted using the supporting bracket fixed with screw anchors (Fisher type or similar) for concrete, cement and solid brick or various other available accessories. It can also be installed on a MultiWoody or CityWoody pole system.

Colour	Weight (Kg)
White (01) Black (04) Grey (15) Bust Brown (F5)	4.57

Mounting

wall arm|pole arm|ground surface|wall surface|ground anchored|wall bracket|ceiling surface|u-bracket|pole-top

Wiring

Control gear complete with a 1-10V dimmable electronic ballast (220÷240V ac 50/60Hz) and quick-coupling terminals.

Technical data				
Im system:	3157	Colour temperature [K]:	4000	
W system:	26.8	MacAdam Step:	2	
Im source:	4050	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	
W source:	23	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)	
Luminous efficiency (lm/W,	117.8	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.)	78	assemblies:		
[%]:		Intervallo temperatura	from -30°C to 50°C.	
Beam angle [°]:	50°	ambiente:		
CRI (minimum):	80	Control:	1-10V	

Polar

lmax=5334 cd	Lux			
90° 180° 90°	h	d	Em	Emax
	8	7.4	66	82
	16	14.8	17	21
6000	24	22.2	7	9
α=50°	32	29.6	4	5

Lux h=5 m. α=0° LED 26.8 W 195 111 19 1 0.4 0.2 0.1 0.0 0.0 — 1 0 1 2 3 4 5 6 7 8 9 m

UGR diagram

Rifled	· + ·										
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		2000	- 2177	viewed			0737000		viewed	-2,775	
		crosswise					endwise				
2H	2H	10.0	10.5	10.2	10.7	11.0	10.0	10.5	10.2	10.7	11.0
	ЗН	9.9	10.3	10.2	10.6	10.9	9.9	10.3	10.2	10.6	10.9
	4H	9.8	10.2	10.1	10.5	10.8	9.8	10.2	10.1	10.5	10.
	бН	9.7	10.1	10.1	10.4	8.01	9.7	10.1	10.1	10.4	10.
	HS	9.7	10.1	10.0	10.4	10.7	9.7	10.1	10.0	10.4	10.
	12H	9.6	10.0	10.0	10.4	10.7	9.6	10.0	10.0	10.3	10.
4H	2H	9.8	10.2	10.1	10.5	10.8	8.8	10.2	10.1	10.5	10.
	ЗН	9.7	10.0	10.0	10.4	10.7	9.7	10.0	10.0	10.4	10.
	4H	9.6	9.9	10.0	10.3	10.7	9.6	9.9	10.0	10.3	10.
	бН	9.5	8.8	9.9	10.2	10.6	9.5	8.8	9.9	10.2	10.
	HS	9.5	9.7	9.9	10.1	10.6	9.5	9.7	9.9	10.1	10.
	12H	9.4	9.6	9.9	10.1	10.5	9.4	9.6	9.9	10.1	10.
нв	4H	9.5	9.7	9.9	10.1	10.6	9.5	9.7	9.9	10.1	10.
	6H	9.4	9.6	8.8	10.0	10.5	9.4	9.6	8.8	10.0	10.
	HS	9.3	9.5	8.8	10.0	10.5	9.3	9.5	9.8	10.0	10.
	12H	9.3	9.4	9.8	9.9	10.4	9.3	9.4	9.8	9.9	10.
12H	4H	9.4	9.6	9.9	10.1	10.5	9.4	9.6	9.9	10.1	10.
	бН	9.3	9.5	8.8	10.0	10.5	9.3	9.5	9.8	10.0	10.
	HS	9.3	9.4	9.8	9.9	10.4	9.3	9.4	9.8	9.9	10.
Varia	tions wi	th the ol	oserverp	noitieo	at spacin	g:					
S =	1.0H		6	.2 / -9	6			6	2 / -9.	6	
	1.5H	9.0 / -11.9					9.0 / -11.9				
	1.5H 2.0H			0 / -11 .0 / -1;			9.0 / -11.9 11.0 / -13.3				