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## **Product configuration: BU88**

BU88: Spotlight with bracket - Neutral White COB LED - Integrated electronic control gear dimm 1-10V - Spot optic





### Product code

BU88: Spotlight with bracket - Neutral White COB LED - Integrated electronic control gear dimm 1-10V - Spot optic

#### Technical description

Spotlight designed to use Neutral White COB LED lamps and a spot 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)   Rust Brown (F5)	4.57

#### Mounting

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

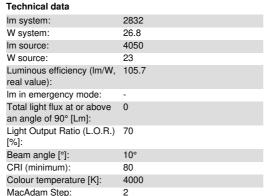
### Wiring

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

Complies with EN60598-1 and pertinent regulations

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ENE SECTION 1907



100,000h - L90 - B10 (Ta 25°C)

**IP67** 

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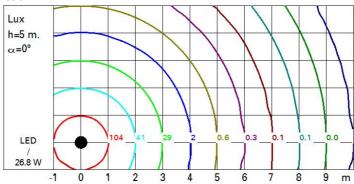
Life Time LED 1:

Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
Lamp code:	LED
Number of lamps for optical assembly:	1
ZVEI Code:	LED
Number of optical assemblies:	1
Intervallo temperatura ambiente:	from -30°C to 50°C.
Power factor:	See installation instructions
Inrush current:	42 A / 100 μs
Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires
Minimum dimming %:	0
Overvoltage protection:	2kV Common mode & 1kV Differential mode
Control:	1-10V

## Polar

Imax=37309 cd	C0-180 I	Lux				
90°	90°	h	d1	d2	Em	Emax
	4//	15	2.7	2.6	133	166
		30	5.5	5.2	33	41
42000		45	8.2	7.9	15	18
α=10°		60	11	10.5	8	10

# Isolux



## UGR diagram

Rifled	ct.:										
ce il/c		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls work pl.		0.50 0.30	0.50		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		2000000		viewed			6.30000		viewed		
x	У	crosswise					endwise				
2H	2H	13.5	15.3	13.8	15.6	15.9	13.5	15.3	13.8	15.6	15.9
	ЗН	13.4	14.5	13.7	14.8	15.1	13.4	14.5	13.7	14.8	15.
	4H	13.3	14.3	13.7	14.6	14.9	13.3	14.3	13.7	14.6	14.9
	бН	13.3	14.1	13.6	14.5	14.8	13.2	14.1	13.6	14.5	14.8
	HS	13.2	14.1	13.6	14.5	14.8	13.2	14.1	13.6	14.5	14.
	12H	13.1	14.1	13.5	14.5	14.9	13.1	14.1	13.5	14.5	14.9
4H	2H	13.3	14.3	13.7	14.6	14.9	13.3	14.3	13.7	14.6	14.9
	ЗН	13.1	14.1	13.5	14.5	14.9	13.1	14.1	13.5	14.5	14.9
	4H	12.9	14.2	13.4	14.6	15.0	12.9	14.2	13.4	14.6	15.0
	6H	12.7	14.2	13.2	14.6	15.1	12.7	14.2	13.2	14.6	15.
	HS	12.6	14.2	13.1	14.7	15.2	12.6	14.2	13.1	14.7	15.
	12H	12.5	14.2	13.0	14.7	15.2	12.5	14.2	13.0	14.7	15.
вн	4H	12.6	14.2	13.1	14.7	15.1	12.6	14.2	13.1	14.7	15.
	6H	12.5	14.0	13.0	14.5	15.0	12.5	14.0	13.0	14.5	15.0
	HS	12.6	13.7	13.1	14.2	14.7	12.6	13.7	13.1	14.2	14.
	12H	12.7	13.4	13.2	13.9	14.4	12.7	13.4	13.2	13.9	14.
12H	4H	12.5	14.2	13.0	14.7	15.2	12.5	14.2	13.0	14.7	15.3
	бН	12.6	13.7	13.1	14.2	14.7	12.6	13.7	13.1	14.2	14.
	HS	12.7	13.4	13.2	13.9	14.4	12.7	13.4	13.2	13.9	14.
Varia	tions wi	th the ob	serverp	osition	at spacin	g:					
S =	1.0H		6.	3 / -10	.7			6.	3 / -10	.7	
	1.5H	9.1 / -12.2				9.1 / -12.2					
	2.0H		11	.1 / -12	2.5			11	.1 / -12	2.5	