Woody

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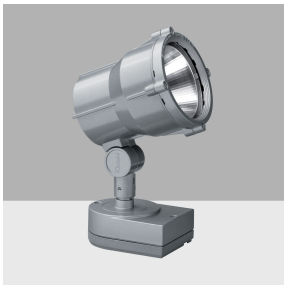
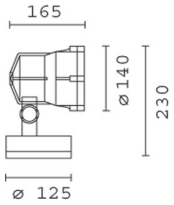
Last information update: October 2024

Product configuration: BU84
BU84: Spotlight with base - Neutral White COB LED - Integrated electronic control gear - Flood optic





Product code
BU84: Spotlight with base - Neutral White COB LED - Integrated electronic control gear - Flood optic

Technical description
Spotlight designed to use LED lamps and a flood optic. Consists of an optical assembly and a base. The optical assembly, arm, base and frame holder 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 secured with captive screws. The 50/60 Shore A silicone seal has been subject to post-cooling treatment, in an oven, for 4-6 hours at 200 °C. The optical assembly allows vertical and horizontal adjustments, with the possibility of locking the adjustment for aiming, and it has slots in the frame for rainwater drainage. The optic has a 99.93% super-pure aluminium OPTIBEAM reflector with a polished surface treatment. Complete with Neutral White colour monochrome LED circuit. The cable gland for connecting the wiring assembly to the lamp assembly is made of M11x1 stainless steel. For the power supply, the device is fitted with a black polyamide PG11 cable gland, suitable for 6.5 to 11.5 mm cables. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation
The luminaire can be floor, ceiling or wall-mounted using either screw anchors for concrete, cement and solid brick or various other available accessories.

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

Weight (Kg)
2.1

Mounting
wall arm|wall surface|ground anchored|ground spike|ceiling surface

Wiring
Control gear complete with electronic ballast (220÷240Vac 50/60Hz)

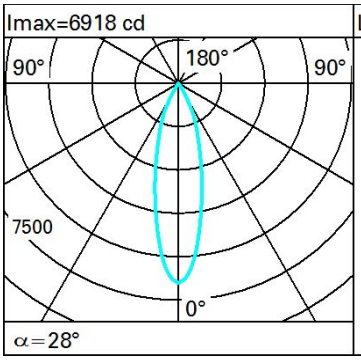
Complies with EN60598-1 and pertinent regulations

IK07 IP66 pending

Technical data

lm system:	2022	MacAdam Step:	2
W system:	19.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	2700	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	17	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.9	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	75	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	28°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000		

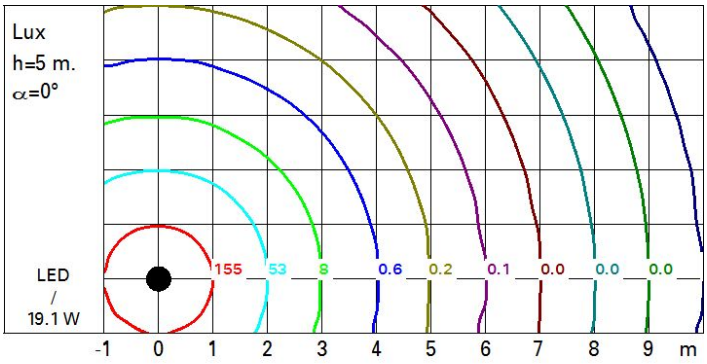
Polar



Lux

h	d	Em	Emax
8	4	81	108
16	8	20	27
24	12	9	12
32	16	5	7

Isolux



UGR diagram

Corrected UGR values (at 2700 lm bare lamp luminous flux)

Riflect.: ceil/cav		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				viewed crosswise					viewed endwise		
x	y										
2H	2H	6.2	6.8	6.5	7.0	7.3	6.2	6.8	6.5	7.0	7.3
	3H	6.2	6.7	6.5	7.0	7.2	6.1	6.6	6.5	6.9	7.2
	4H	6.2	6.6	6.5	6.9	7.2	6.1	6.6	6.4	6.8	7.1
	6H	6.1	6.5	6.5	6.8	7.2	6.0	6.4	6.4	6.8	7.1
	8H	6.1	6.5	6.4	6.8	7.2	6.0	6.4	6.3	6.7	7.1
	12H	6.0	6.4	6.4	6.8	7.1	5.9	6.3	6.3	6.7	7.0
4H	2H	6.1	6.6	6.4	6.8	7.1	6.2	6.6	6.5	6.9	7.2
	3H	6.1	6.4	6.4	6.8	7.1	6.1	6.5	6.4	6.8	7.2
	4H	6.0	6.4	6.4	6.7	7.1	6.0	6.4	6.4	6.7	7.1
	6H	6.0	6.3	6.4	6.7	7.1	6.0	6.3	6.4	6.7	7.1
	8H	6.0	6.2	6.4	6.6	7.1	5.9	6.2	6.4	6.6	7.0
	12H	5.9	6.2	6.4	6.6	7.1	5.9	6.1	6.3	6.6	7.0
8H	4H	5.9	6.2	6.4	6.6	7.0	6.0	6.2	6.4	6.6	7.1
	6H	5.9	6.1	6.4	6.6	7.0	5.9	6.1	6.4	6.6	7.0
	8H	5.9	6.1	6.3	6.5	7.0	5.9	6.1	6.3	6.5	7.0
	12H	5.8	6.0	6.3	6.5	7.0	5.8	6.0	6.3	6.5	7.0
12H	4H	5.9	6.1	6.3	6.6	7.0	5.9	6.2	6.4	6.6	7.1
	6H	5.8	6.0	6.3	6.5	7.0	5.9	6.1	6.3	6.5	7.0
	8H	5.8	6.0	6.3	6.5	7.0	5.8	6.0	6.3	6.5	7.0

Variations with the observer position at spacing:

S =			
	1.0H	5.9 / -6.2	5.9 / -6.2
	1.5H	8.6 / -6.9	8.6 / -6.9
	2.0H	10.6 / -7.5	10.6 / -7.5