MaxiWoody

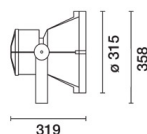**Design Mario Cucinella**   **iGuzzini**

Last information update: May 2018

Spotlight with bracket - Neutral White COB LED - Integrated dimm electronic control gear DALI - Wide Flood optic

Product code
BV04

Ø 315   358

319

Technical description
Spotlight designed to use Neutral White COB LED lamps and a 46°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 nickel-plated 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 MultiWoody, Citywoody and FrameWoody square structure pole systems.

Dimension (mm)
Ø315x358

Colour
Grey (15)

Weight (Kg)
7.6

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

Wiring
Control gear complete with dimmable DALI electronic ballast (220÷240V ac 50/60Hz) and wiring terminal block.

Complies with EN60598-1 and pertinent regulations

IK08   IP67

CE

A++

Product configuration: BV04

Product characteristics

Total lighting output [Lm]: 6880	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 58	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 118.6	Voltage [V]: -
Life Time: 100,000h - L80 - B10 (Ta 25°C)	Life Time: 100,000h - L80 - B10 (Ta 40°C)
Ambient temperature range: from -20°C to +35°C.	Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 80	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 6
Nominal power [W]: 52	Colour temperature [K]: 4000
Nominal luminous [Lm]: 8600	CRI: 80
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: 46°	MacAdam Step: 2

Polar

Imax=12260 cd

90° 180° 90°

12500

0°

α=46°

h	d	Em	Emax
2	1.7	2394	3065
4	3.4	598	766
6	5.1	266	341
8	6.8	150	192

Isolux

Lux
h=5 m.
α=0°

LED / 58 W

426 205 63 4 0.3 0.2 0.1 0.0 0.0

-1 0 1 2 3 4 5 6 7 8 9 m
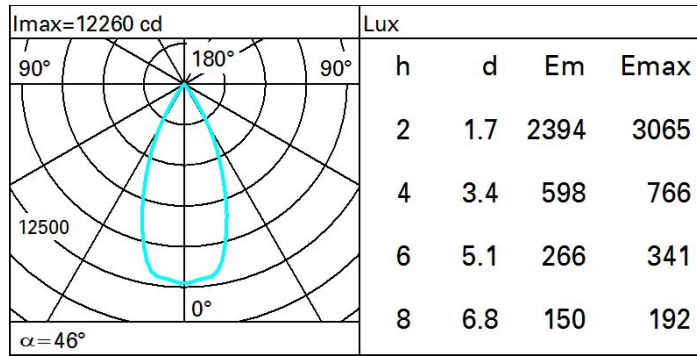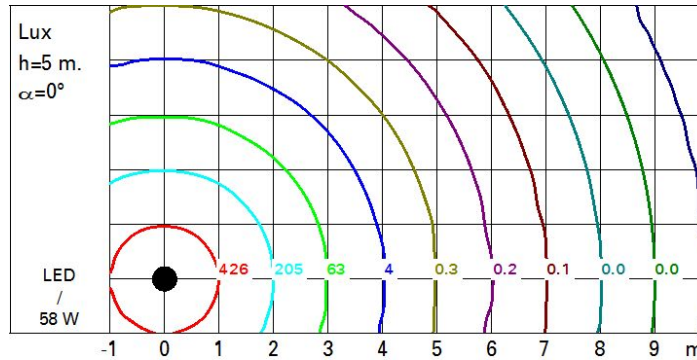
UGR diagram

Corrected UGR values (at 8600 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					viewed			
x	y		crosswise					endwise			
2H	2H	12.3	12.8	12.6	13.0	13.3	12.3	12.8	12.6	13.0	13.3
	3H	12.2	12.6	12.5	12.9	13.2	12.2	12.6	12.5	12.9	13.2
	4H	12.1	12.5	12.4	12.8	13.1	12.1	12.5	12.4	12.8	13.1
	6H	12.0	12.4	12.4	12.7	13.1	12.0	12.4	12.4	12.7	13.1
	8H	12.0	12.4	12.3	12.7	13.0	12.0	12.4	12.3	12.7	13.0
	12H	11.9	12.3	12.3	12.6	13.0	11.9	12.3	12.3	12.6	13.0
4H	2H	12.1	12.5	12.4	12.8	13.1	12.1	12.5	12.4	12.8	13.1
	3H	11.9	12.3	12.3	12.6	13.0	11.9	12.3	12.3	12.6	13.0
	4H	11.8	12.2	12.2	12.5	12.9	11.8	12.2	12.2	12.5	12.9
	6H	11.8	12.0	12.2	12.4	12.9	11.8	12.0	12.2	12.4	12.9
	8H	11.7	12.0	12.1	12.4	12.8	11.7	12.0	12.1	12.4	12.8
	12H	11.7	11.9	12.1	12.3	12.8	11.7	11.9	12.1	12.3	12.8
8H	4H	11.7	12.0	12.1	12.4	12.8	11.7	12.0	12.1	12.4	12.8
	6H	11.6	11.8	12.1	12.3	12.8	11.6	11.8	12.1	12.3	12.8
	8H	11.6	11.7	12.0	12.2	12.7	11.6	11.7	12.0	12.2	12.7
	12H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7
12H	4H	11.7	11.9	12.1	12.3	12.8	11.7	11.9	12.1	12.3	12.8
	6H	11.6	11.7	12.0	12.2	12.7	11.6	11.7	12.0	12.2	12.7
	8H	11.5	11.7	12.0	12.2	12.7	11.5	11.7	12.0	12.2	12.7

Variations with the observer position at spacing:

S =	1.0H	6.5 / -19.3	6.5 / -19.3
	1.5H	9.3 / -21.0	9.3 / -21.0
	2.0H	11.3 / -21.6	11.3 / -21.6