MaxiWoody

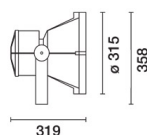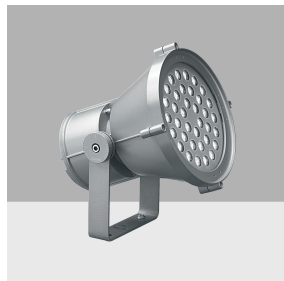| Design Mario Cucinella	iGuzzini

Last information update: May 2024

Product configuration: BV55
BV55: Floodlight with bracket - WNC (White tuning) LED - Electronic 220-240V ac - DMX512-RDM - Flood optic

Product code
BV55: Floodlight with bracket - WNC (White tuning) LED - Electronic 220-240V ac - DMX512-RDM - Flood optic **Attention! Code no longer in production**

Technical description
Direct light luminaire, designed to use WNC (White 2700K, 4000K, 6000K) LED lamps, a Flood optic and DMX512-RDM control with a searching and addressing function. Can be installed at ground level, on walls (using screw anchors) and on pole mounting systems. Consists of an optical assembly, frame, component box, rear cover and bracket. Optical assembly, component box, rear cover, bracket studs and frame are made of painted, die-cast aluminium. 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 following 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 frame is fastened to the optical assembly by captive screws and a stainless steel retaining cable. Slots in the frame allow rainwater drainage. The tempered sodium-calcium sealing glass is transparent, with customised serigraphy, 4mm thick, and fitted with a 50-60 shore silicone seal. The glass+seal unit is fixed to the frame with silicone. Complete with multi-led power plate with single 2700K, 4000K and 6000K white LEDs (WNC), a built-in electronic ballast and a DMX512-RDM control card. Fitted with optics with a plastic (methacrylate) lens creating a Flood beam. The ballast and electronic card holding plate is made of aluminium and complete with spacers and captive screws; extraordinary maintenance is simplified thanks to quick-coupling connectors located between the control gear and LED circuit; the optical assembly can also be easily accessed thanks to a nickel-plated brass decompression valve. The floodlight can be adjusted by ±115° in the vertical plane by means of a 5mm thick, studded and painted steel bracket with a 10° step graduated scale, fitted with mechanical blocks that guarantee stable aiming of the beam of light. Horizontal aiming is performed using the holes and slots in the bracket; and pass-through wiring can also be used thanks to the double M24x1.5 nickel-plated brass cable gland (suitable for cables with 7-16mm diameter). Each cable can carry both the DMX signal and the mains power supply. 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 installed at ground level or on walls using the supporting bracket fixed with screw anchors (Fisher type or similar). It can also be installed in the MultiWoody pole system and FrameWoody square structure using the appropriate accessories for poles.

Colour	Weight (Kg)
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	7.6

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

Wiring
Control gear complete with electronic ballast 220÷240V ac, 50/60Hz with a DMX512-RDM control. For the connection between the DMX signal cable and the power supply cable a Y connector - IP68 code no.BZN7 - is available.
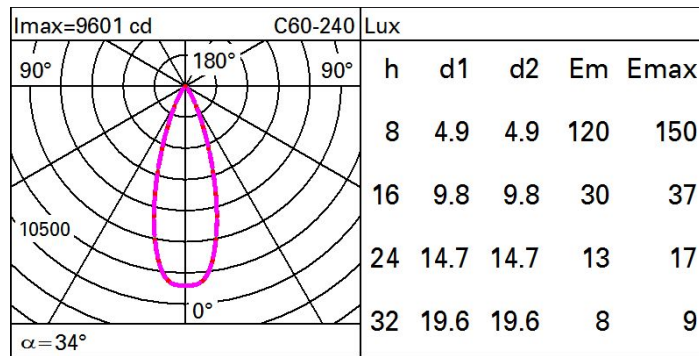
Notes
Product complete with LED lamp. The DMX specifications require a 120 ohm terminating resistor to be inserted (code no. BZQ7) between the DATA+ and DATA- cables of the last product in the line. If there is no DMX signal, the product performs a dynamic default sequence. Dali versions or DMX512 versions with self-addressing are available on request

Complies with EN60598-1 and pertinent regulations

960°C · IK08 · IP67 · CE · 03 · EAC · NOM-13 · S

Technical data

lm system:	3621	MacAdam Step:	3
W system:	41.8	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
lm source:	5100	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	35	Lamp code:	LED
Luminous efficiency (lm/W, real value):	86.6	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.) [%]:	71	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	34°	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	40 A / - µs
Colour temperature [K]:	Tunable white 2700 - 5000	Control:	DMX-RDM

Polar

Imax=9601 cd		C60-240	Lux				
90°	180°	90°	h	d1	d2	Em	Emax
			8	4.9	4.9	120	150
10500			16	9.8	9.8	30	37
			24	14.7	14.7	13	17
	0°		32	19.6	19.6	8	9
α=34°							

Isolux

Lux
h=5 m.
α=0°

LED
/
41.8 W

282 86 19 4 1 0.5 0.2 0.1 0.0

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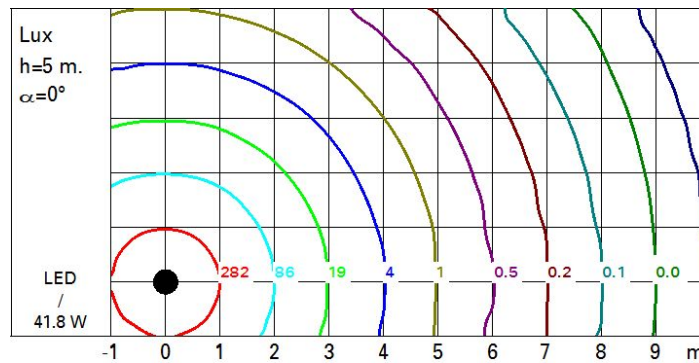
UGR diagram

Corrected UGR values (at 5100 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	8.5	9.1	8.7	9.3	9.5	8.5	9.1	8.8	9.3	9.5
	3H	8.4	8.9	8.7	9.1	9.4	8.4	8.9	8.7	9.2	9.4
	4H	8.3	8.8	8.6	9.1	9.4	8.3	8.8	8.6	9.1	9.4
	6H	8.2	8.7	8.6	9.0	9.3	8.2	8.7	8.6	9.0	9.3
	8H	8.2	8.6	8.5	8.9	9.3	8.2	8.6	8.6	8.9	9.3
	12H	8.1	8.5	8.5	8.9	9.2	8.2	8.6	8.5	8.9	9.3
4H	2H	8.3	8.8	8.6	9.1	9.4	8.3	8.8	8.6	9.1	9.4
	3H	8.2	8.6	8.5	8.9	9.3	8.2	8.6	8.5	8.9	9.3
	4H	8.1	8.4	8.5	8.8	9.2	8.1	8.5	8.5	8.8	9.2
	6H	8.0	8.3	8.4	8.7	9.1	8.0	8.3	8.4	8.7	9.1
	8H	7.9	8.2	8.4	8.6	9.1	8.0	8.3	8.4	8.7	9.1
	12H	7.9	8.2	8.3	8.6	9.0	7.9	8.2	8.4	8.6	9.1
8H	4H	7.9	8.2	8.4	8.6	9.1	8.0	8.3	8.4	8.7	9.1
	6H	7.9	8.1	8.3	8.5	9.0	7.9	8.1	8.3	8.6	9.0
	8H	7.8	8.0	8.3	8.5	9.0	7.8	8.0	8.3	8.5	9.0
	12H	7.7	7.9	8.3	8.4	8.9	7.8	7.9	8.3	8.4	8.9
12H	4H	7.9	8.2	8.3	8.6	9.0	7.9	8.2	8.4	8.6	9.1
	6H	7.8	8.0	8.3	8.5	9.0	7.8	8.0	8.3	8.5	9.0
	8H	7.7	7.9	8.3	8.4	8.9	7.8	7.9	8.3	8.4	8.9

Variations with the observer position at spacing:

S =	1.0H	4.6 / -8.7	4.5 / -8.9
	1.5H	7.3 / -12.5	7.3 / -12.8
	2.0H	9.3 / -14.2	9.2 / -14.3