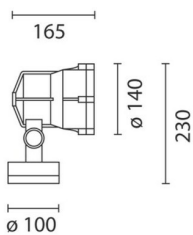


Last information update: April 2024

Product configuration: BV69

BV69: Floodlight with base LED - Electronic 48-52Vdc - DMX512-RDM - Flood optic

**Product code**BV69: Floodlight with base LED - Electronic 48-52Vdc - DMX512-RDM - Flood optic **Attention! Code no longer in production****Technical description**

Direct light luminaire, designed to use single chip RGB LED lamps (Red, Green, Blue), a Flood optic and DMX512-RDM control with searching and addressing function. Installation in floors, walls and ceilings (with screw anchors). Consists of an optical assembly and a component holder base. Optical assembly, arm, base and frame are constructed in EN1706AC 46100LF aluminium alloy and painted. 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 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 with custom grey silk-screen. It is secured with captive screws. The silicone gasket undergoes a post-cooling treatment, in an oven at 200°. 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. Optics with plastic lenses Flood version. Circuit complete with 12 single chip RGB LEDs (n. 4 Red, Green and Blue LEDs) and 48-52Vdc DMX512-RDM electronic control driver (control gear ordered separately). The luminaire is complete with two black polyamide PG11 cable clamps, suitable for cables with a diameter between 6.5 and 11 mm and it is supplied with two sections of cable 5x L=1100 mm for through wiring (to be used for the DMX signal and for the 48Vdc control gear). All external screws used are made of A2 stainless steel. Complete with lamp.

Installation

The luminaire can be installed in floors, walls and in the ground with screw anchors, in the ground with an accessory peg and on branches with as special accessory.

Colour

Black (04) | Grey (15)

Weight (Kg)

1.5

Mounting

external wall corner | internal wall corner | wall arm | ground surface | wall surface | ground spike | ceiling surface | free standing | pole-top

Wiring

48-52Vdc DMX512-RDM electronic driver. For the electrical connection there are 5-pole IP68 linear connectors (BZS6), a cap for the IP68 (BZQ7) connectors + 120 ohm resistance, a 5-pole Y connector for the connection between the DMX signal cable and the power supply cable (BZN7) and DIN 48V dc bar electronic ballasts to be ordered separately: 120W (BZ14), 240W (BZ15) and 480W (BZ16).

Notes

Complete with lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- terminals of the last product in the line (BZQ7). If there is no DMX signal the product runs the dynamic colour sequence by default. Versions with DALI driver available on request.

Complies with EN60598-1 and pertinent regulations



960°C

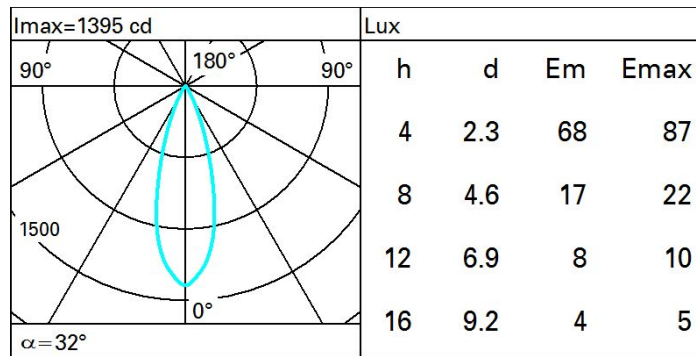
IK07

IP66

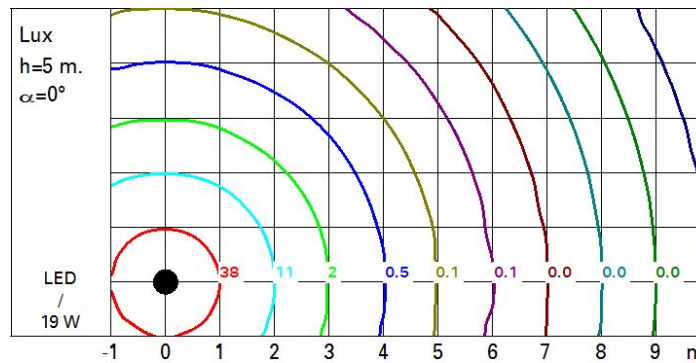
**Technical data**

Im system:	473	Colour temperature [K]:	RGB
W system:	19	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
Im source:	630	Lamp code:	LED
W source:	11	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	24.9	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -20°C to +35°C.
Light Output Ratio (L.O.R.) [%]:	75	LED current [mA]:	350
Beam angle [°]:	32°	Control:	DMX

Polar



Isolux



UGR diagram

Corrected UGR values (at 630 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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	5.0	5.6	5.3	5.9	6.1	5.0	5.6	5.3	5.9	6.1
	3H	5.1	5.6	5.4	5.8	6.1	5.0	5.5	5.3	5.8	6.1
	4H	5.0	5.5	5.4	5.8	6.1	4.9	5.4	5.3	5.7	6.0
	6H	5.0	5.4	5.3	5.7	6.1	4.9	5.3	5.2	5.6	6.0
	8H	4.9	5.4	5.3	5.7	6.0	4.8	5.3	5.2	5.6	5.9
	12H	4.9	5.3	5.3	5.7	6.0	4.8	5.2	5.2	5.6	5.9
4H	2H	4.9	5.4	5.3	5.7	6.0	5.0	5.5	5.4	5.8	6.1
	3H	5.0	5.4	5.4	5.7	6.1	5.0	5.4	5.4	5.7	6.1
	4H	5.0	5.3	5.4	5.7	6.1	5.0	5.3	5.4	5.7	6.1
	6H	4.9	5.2	5.3	5.6	6.0	4.9	5.2	5.3	5.6	6.0
	8H	4.9	5.2	5.3	5.6	6.0	4.9	5.1	5.3	5.6	6.0
	12H	4.8	5.1	5.3	5.5	6.0	4.8	5.1	5.3	5.5	6.0
8H	4H	4.9	5.1	5.3	5.6	6.0	4.9	5.2	5.3	5.6	6.0
	6H	4.8	5.0	5.3	5.5	6.0	4.8	5.1	5.3	5.5	6.0
	8H	4.8	5.0	5.3	5.4	5.9	4.8	5.0	5.3	5.4	5.9
	12H	4.7	4.9	5.3	5.4	5.9	4.7	4.9	5.2	5.4	5.9
12H	4H	4.8	5.1	5.3	5.5	6.0	4.8	5.1	5.3	5.5	6.0
	6H	4.8	5.0	5.2	5.4	5.9	4.8	5.0	5.3	5.5	6.0
	8H	4.7	4.9	5.2	5.4	5.9	4.7	4.9	5.3	5.4	5.9
Variations with the observer position at spacing:											
S =		1.0H	4.4	/	-4.9		4.4	/	-4.9		
		1.5H	7.0	/	-5.7		7.0	/	-5.7		
		2.0H	9.0	/	-6.4		9.0	/	-6.4		