Linealuce

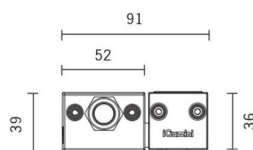**Design Jean Michel Wilmotte**   **iGuzzini**

Last information update: June 2018

Mini - Wall-/Ceiling-mounted - RGB LED - 48V dc with DMX512-RDM control - L=1003mm - Wall Washer Optic

Product code
BJ21

Technical description
Direct light luminaire, designed to use RGB LED lamps (Red, Green, Blue), 48V dc with DMX512-RDM control. Ceiling- and wall-mounted. Consists of a body, a box for DMX driver and supports for installation (to be ordered separately). Extruded aluminium body and side box, with zamak die-cast end caps complete with silicone seals. Coated with liquid acrylic paint with a high level of weather and UV ray resistance. The top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Neutral White, side box with 48V dc DMX512-RDM electronic driver (ballast to be ordered separately). Side box with double PG13.5 cable gland and outlet cables for pass-through wiring. Fitted with a PMMA diffusing filter and optics with plastic (methacrylate) lens for Wall Washer lighting. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN 60598-1 standards and particular requirements.

Installation
The following accessories are available for installation: adjustable wall-mounted arms in AISI304 stainless steel (L=115mm code BZQ9, 200mm code BZJ9) and a plate for surface- or ceiling-mounting made of anodised aluminium (BZJ6).

Dimension (mm)
1004x91x39

Colour
Grey (15)

Weight (Kg)
2.17

Mounting
wall surface|ceiling surface

Wiring
The product is equipped with a nickel-plated brass PG13.5 double cable gland with H07RN-F rubber outlet cables 5x1.5mm2 for pass-through wiring: each cable is set up both for the DMX-RDM signal and for 48V dc power supply. Available for electrical connection: IP68 5-pin linear connector (BZS6), cap for IP68 connectors + 120 Ohm terminating resistor (BZQ7), 48V dc DIN bar electronic ballasts to be ordered separately: 120W (BZ14), 240W (BZ15) and 480W (BZ16). DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (code BZQ7)

Notes
Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (code BZQ7)

Complies with EN60598-1 and pertinent regulations

III   IK05   IP66

Product configuration: BJ21

Product characteristics

Total lighting output [Lm]: 725	Total luminous flux at or above an angle of 90° [Lm]: 0
Total power [W]: 24.3	Emergency luminous flux [Lm]: /
Luminous efficacy [Lm/W]: 29.8	Voltage [V]: 48
Life Time: 50,000h - L80 - B10 (Ta 25°C)	Life Time: 50,000h - L80 - B20 (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.) [%]: 55	Number of lamps for optical assembly: 1
Lamp code: LED	Socket: /
ZVEI Code: LED	Ballast losses [W]: 2.3
Nominal power [W]: 22	Colour temperature [K]: /
Nominal luminous [Lm]: 1320	CRI: /
Lamp maximum intensity [cd]: /	Wavelength [Nm]: /
Beam angle [°]: /	MacAdam Step: /

Polar

Imax=2907 cd   C0-180

90°   180°   90°

3000

0°

$\alpha = 14° / 26°$
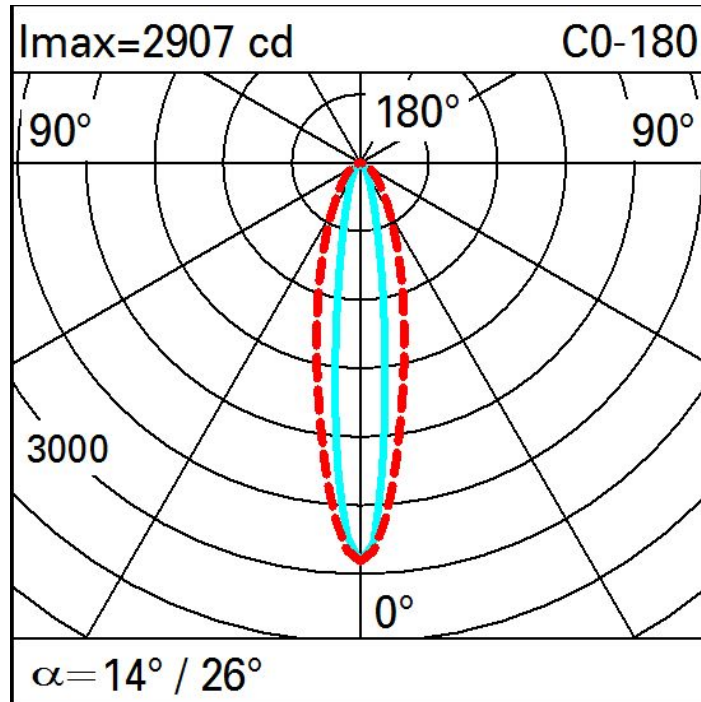
Illuminances

Lux   Wall distance = 1m

m	-2	-1	0	1	2	3
0.1	0.4	2	12	44	10	1	0.3	0.1
0.2	0.5	1	5	20	61	18	4	1	0.4	0.1
0.4	0.9	2	7	21	58	20	7	2	0.8	0.3
0.5	1	3	8	19	51	20	7	2	1.0	0.5
0.6	1	3	7	17	41	17	7	3	1	0.5