Linealuce

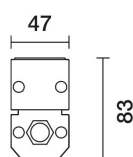**Design Jean-Michel Wilmotte**　　　　　　　　　　**iGuzzini**

Last information update: April 2024

Product configuration: EG86
EG86: 47 surface Remote – 48 Vdc DMX512-RDM – L=611mm – Flood optic

Product code
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Technical description
Direct light luminaire, designed to use Tunable WhiteLED lamps (White 2700K, 3500K, 5000K), DMX512-RDM 48Vdc dimmable with searching and addressing function. Ceiling-, wall- or surface-mounted. Consists of a body and supports for installation, to be ordered separately. The body is made of extruded aluminium and includes die-cast aluminium end caps with 50/60 Shore A silicone seals. It is 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 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 top of the optical assembly is closed by a 3 mm thick transparent glass screen, fixed with silicone. Complete with multi-LED plate in Tunable White and a 48V dc DMX512-RDM electronic driver (ballast to be ordered separately). Supplied with a double PG11 and outlet cables for pass-through wiring with IP68 male/female joiners. Fitted with a PMMA diffusing filter and optics with plastic (methacrylate) lens for Flood 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
Accessories are available for installation, like adjustable AISI304 stainless steel wall-mounted arms.

Colour	Weight (Kg)
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	1.8

Mounting
wall arm|wall surface|ceiling surface

Wiring
Complete with DMX-RDM 48÷52Vdc control card. The product is supplied with a nickel-plated brass PG11 double cable gland with 05RN-F 2x1,5mm²+3x0,35mm² rubber outlet cables for pass-through wiring with joiners (illegible part). Available for electrical connection and DMX-RDM control: IP68 5-pin female connector, IP68 5-pin male connector + closing cap (BZI6), and IP68 5-pin male + female connectors.

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 (BZQ7).

Complies with EN60598-1 and pertinent regulations

III	IK06	IP66	CE	S&E 03	CCC S&E	S	EAC	NOM

Technical data

lm system:	1890	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	29.6	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
lm source:	3500	Voltage [Vin]:	48
W source:	26	Lamp code:	LED
Luminous efficiency (lm/W, real value):	63.9	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.) [%]:	54	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	38°	LED current [mA]:	500
Colour temperature [K]:	Tunable white 2700 - 5000	Control:	DMX-RDM

Polar

Imax=3549 cd　　C85-265

α=38°

h	d1	d2	Em	Emax
4	2.8	2.8	172	222
8	5.5	5.5	43	55
12	8.3	8.3	19	25
16	11	11	11	14

Isolux

Lux
h=5 m.
α=0°

LED
/
29.6 W

107 46 15 4 1 0.4 0.2 0.1 0.0

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