

Last information update: May 2024

**Product configuration: EF97**

EF97: 47 surface Remote – Neutral White – 48 Vdc DMX512-RDM – L=611mm – Wall Grazing Spot optic

**Product code**

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**Technical description**

Direct light luminaire, designed to use monochrome LED lamps, DMX512-RDM 48Vdc dimmable with searching and addressing function. Ceiling, wall or surface-mounted. It consists of a body and installation brackets 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 Neutral 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 a plastic (methacrylate) lens for Wall Grazing Spot 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**

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

**Weight (Kg)**

1.8

**Mounting**

wall arm|wall surface|ceiling surface

**Wiring**

Complete with DMX-RDM 44÷52Vdc control card. The product is supplied with a nickel-plated brass PG11 double cable gland with 05RN-F 2x1,5mm<sup>2</sup>+3x0,35mm<sup>2</sup> rubber outlet cables for pass-through wiring with connectors (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**

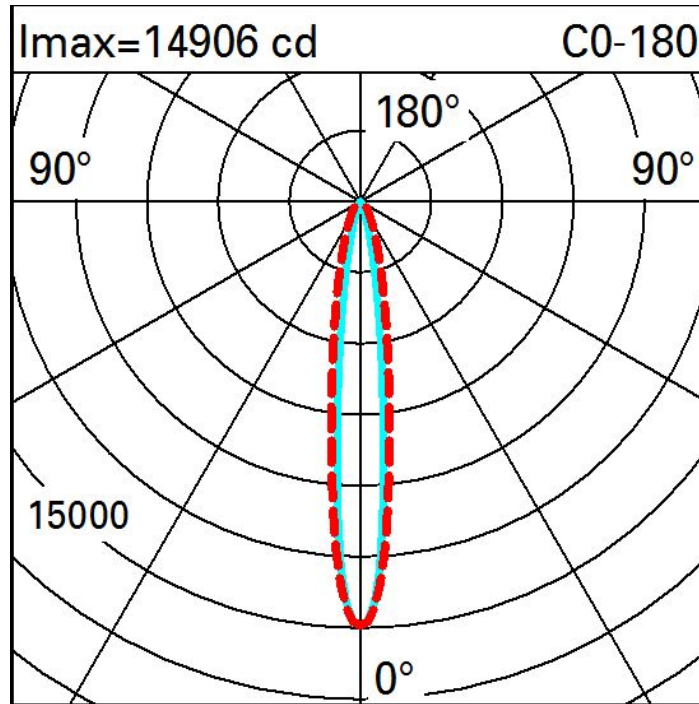
Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	1848	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	24.7	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Im source:	2800	Voltage [Vin]:	48
W source:	21	Lamp code:	LED
Luminous efficiency (Im/W, real value):	74.8	Number of lamps for optical assembly:	1
Im 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.) [%]:	66	Intervalllo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	600
Colour temperature [K]:	4000	Control:	DMX-RDM
MacAdam Step:	3		

Polar



Illuminances

Lux												Wall distance = 1m	
3													
	0.2	0.5	1	3	7	10	7	3	1	0.5	0.2		
2	1	2	4	8	13	17	13	8	4	2	1		
	2	3	5	8	14	17	14	8	5	3	2		
1	2	3	5	8	14	19	14	8	5	3	2		
	2	3	5	8	14	19	14	8	5	3	2		
0													
	m	-2	-1	0	1	2	3						