Linealuce

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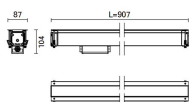Last information update: May 2025

Product configuration: UC31.15

UC31.15: 47 recessed Remote – 48 Vdc DMX512-RDM – L=907mm – Wide Flood Wall Grazing optic - 36.1W 3088.5lm - Tunable white - Grey

Product code

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Technical description

Direct light luminaire, designed to use monochrome TW LED (White 2700K, 3500K, 5000K) lamps, 48Vdc dimmable (or DMX512-RDM) with searching and addressing function and transparent glass cover. Ground-, wall- and ceiling-recessed. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation. Made up of a body, end caps, an outer casing and caps to be ordered separately. Extruded aluminium body, with die-cast aluminium end caps complete with silicone seals. 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. Lower PPS (polyphenylene sulfide) box for control gear. The top of the optical assembly is closed by an 8mm thick, transparent extra clear glass screen with serigraphy and fixed with silicone. Complete with multi-LED plate in Tunable White and a 48V dc DMX512-RDM electronic driver (ballast to be ordered separately). Fitted with optics with a plastic (methacrylate) lens. At the bottom of the optical assembly there is a PPS (polyphenylene sulfide) box fitted with two nickel-plated brass cable glands PG11 and outlet cables for pass-through wiring (connectors to be ordered separately). To fix the optical assembly to the outer casing or false ceiling the product has a quick coupling system using an Allen key. All external screws used are made of A2 stainless steel.

Installation

Ground- and wall-recessed using the outer casing, to be ordered separately, together with the end caps for the optical assembly and outer casing caps. Option of installation in continuous lines of up to a max length of 10.5m only for ground-recessed installation: in this case, too, the joints for the outer casings must be ordered separately. For ground installation a drainage channel must be created or gravel inserted for drainage under the outer casing before installation, to guarantee the degree of protection stated. For ceiling-mounting with plasterboard panels (1-30 mm thick), make the preparation openings as indicated in the instructions sheet and use the steel cables with reinforcement plates in the accessory kit.

Colour	Weight (Kg)
Grey (15)	4.16

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Complete with 44-52Vdc DMX-RDM control card. For the electrical connection the product has a lower box with two nickel-plated brass cable glands PG11 and 05RN-F 2x1,5mm²+3x0,35mm² outlet cables for pass-through wiring (connectors to be ordered separately).

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

IK10   2000 kg   IP67   CE   UKCA   ⟨03⟩   [S]   QCERT   NOM

The lighting fixtures were designed and tested to withstand a static load of up to 20000 N.

Technical data

lm system:	3089	Colour temperature [K]:	Tunable white 2700 - 5000
W system:	36.1	MacAdam Step:	3
lm source:	4350	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	30	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
Luminous efficiency (lm/W, real value):	85.6	Voltage [Vin]:	230
		Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	3089	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	71	Number of optical assemblies:	1
CRI (minimum):	80	Intervallo temperatura ambiente:	from -30°C to 50°C.
Rf (Colour Fidelity Index):	85		
Rg (Gamut Index):	98	Control:	DMX-RDM

Polar

Imax=8475 cd C85-265 γ=179°

180°

6000
90°   90°

0°