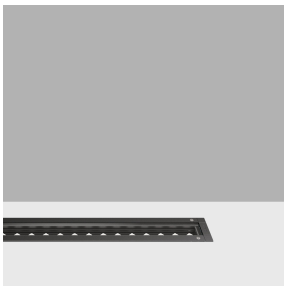
Linealuce

Design Jean-Michel Wilmotte **iGuzzini**

Last information update: October 2024

Product configuration: EX90
EX90: 47 recessed Remote – Neutral White – 48V dc DMX512-RDM – L=907mm – Wall Grazing Spot optic



Product code
EX90: 47 recessed Remote – Neutral White – 48V dc DMX512-RDM – L=907mm – Wall Grazing Spot optic

Technical description
Direct light luminaire, designed to use monochrome LED 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 monochrome multi-LED plate 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)
White (01) | Black (04) | Grey (15) | Rust Brown (F5)	3.82

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).

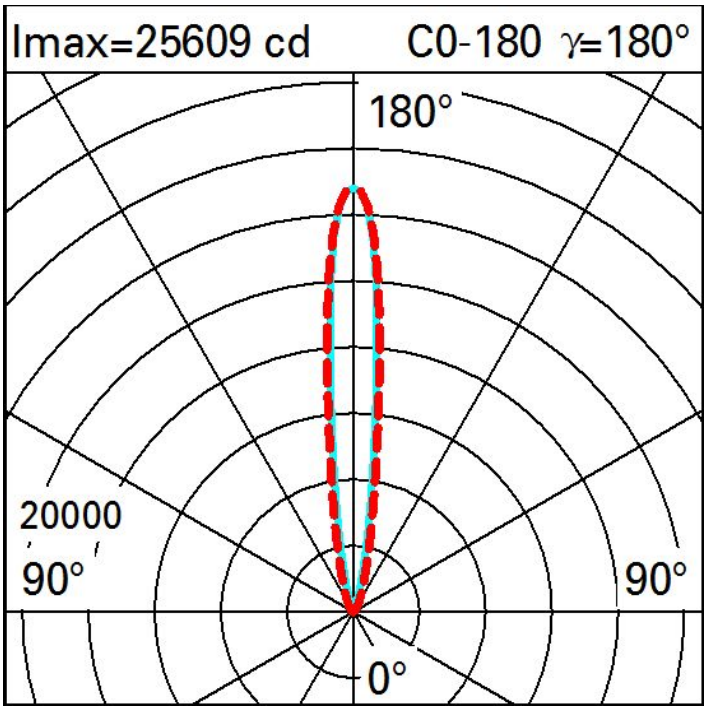
Notes
Product complete with LED lamp. DMX specifications require the insertion of a 120 Ohm terminating resistor to be placed between the DATA+ and DATA- cables of the last product in the line (BZQ7).

Complies with EN60598-1 and pertinent regulations

IK10 2000 kg IP67 S&E

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

Technical data

lm system:	2448	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W system:	30.7	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
lm source:	3600	Voltage [Vin]:	48
W source:	26	Lamp code:	LED
Luminous efficiency (lm/W, real value):	79.7	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]:	2448	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	68	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	500
Colour temperature [K]:	4000	Control:	DMX-RDM
MacAdam Step:	3		

Polar