

Last information update: October 2024

Product configuration: EL44

EL44: 47 surface Remote – Warm White – 48 Vdc DALI – L=1205mm – Spot optic

**Product code**

EL44: 47 surface Remote – Warm White – 48 Vdc DALI – L=1205mm – Spot optic

Technical description

Direct light luminaire, designed to use monochrome LED lamps, DALI 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 Warm White and a 48V dc DALI 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 optics with a plastic (methacrylate) lens for 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)

3.3

Mounting

wall arm|wall surface|ceiling surface

Wiring

Complete with DALI 44÷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 DALI control: IP68 4-pin female connector, IP68 4-pin male connector + closing cap (BZ16), and IP68 4-pin male + female connectors.

Notes

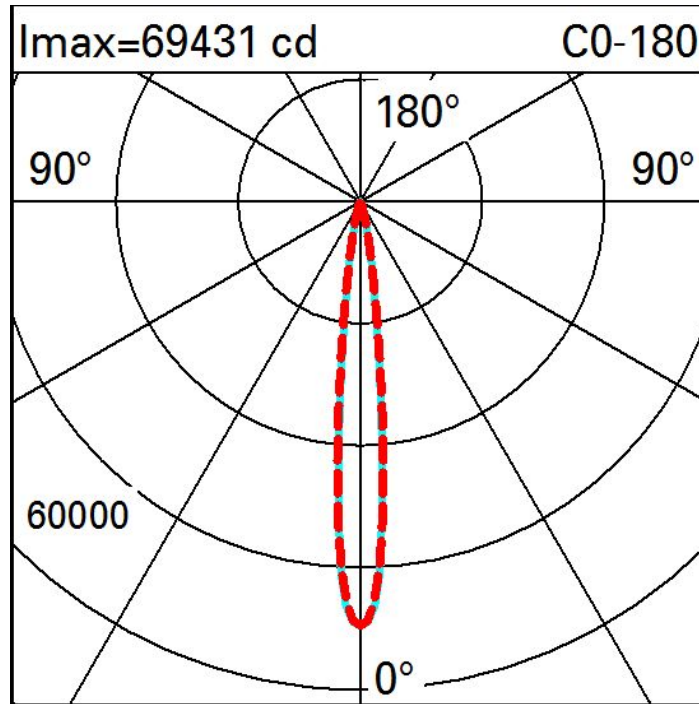
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|------|---------------------------------------|--------------------------------|
| Im system: | 4108 | MacAdam Step: | 3 |
| W system: | 46.8 | Life Time LED 1: | 100,000h - L80 - B10 (Ta 25°C) |
| Im source: | 5200 | Life Time LED 2: | 100,000h - L80 - B10 (Ta 40°C) |
| W source: | 42 | Voltage [Vin]: | 48 |
| Luminous efficiency (Im/W, real value): | 87.8 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 12° | Intervallo temperatura ambiente: | from -30°C to 50°C. |
| CRI (minimum): | 80 | Control: | DALI-2 |
| Colour temperature [K]: | 2700 | | |

Polar



Illuminances

