

Last information update: October 2024

**Product configuration: EL07**

EL07: 47 surface Remote – Warm White – 48 Vdc DALI – L=1502mm – Wall Grazing Medium optic

**Product code**

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**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 a PMMA diffusing filter and optics with a plastic (methacrylate) lens for Wall Grazing Medium 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)**

4.1

**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 2x1,5mm<sup>2</sup>+3x0,35mm<sup>2</sup> 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**

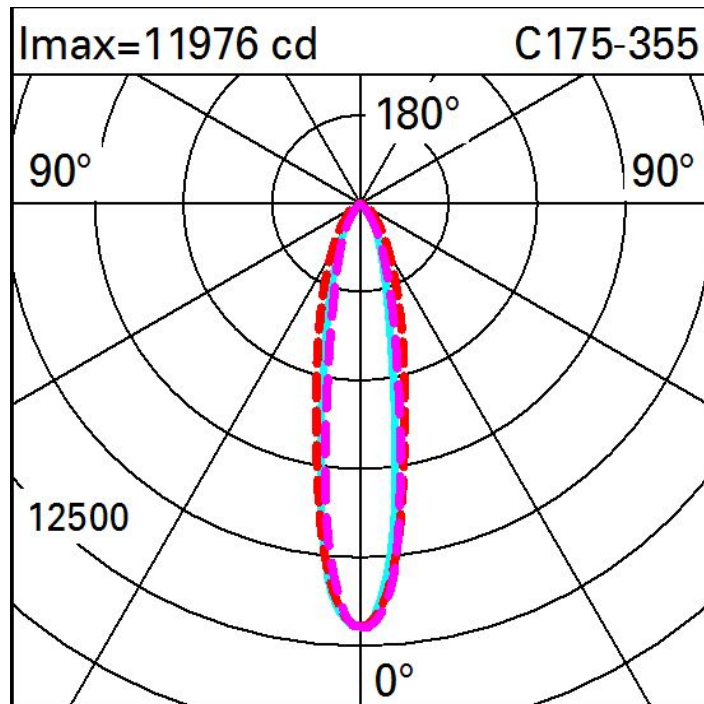
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |                                       |                                |
|--|------|---------------------------------------|--------------------------------|
| Im system:   | 3780 | MacAdam Step:                         | 3                              |
| W system:  | 57.3 | Life Time LED 1:                      | 100,000h - L80 - B10 (Ta 25°C) |
| Im source:   | 7000 | Life Time LED 2:                      | 100,000h - L80 - B10 (Ta 40°C) |
| W source:  | 52   | Voltage [Vin]:                        | 48                             |
| Luminous efficiency (Im/W, real value):            | 66   | 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.) [%]:                   | 54   | Number of optical assemblies:         | 1                              |
| CRI (minimum):                                     | 80   | Intervallo temperatura ambiente:      | from -30°C to 50°C.            |
| Colour temperature [K]:                            | 3000 | Control:                              | DALI-2                         |

Polar



Illuminances

| Lux |     |    |    |    |    |     |    |    |    |    | Wall distance = 1m |  |
|-----|-----|----|----|----|----|-----|----|----|----|----|--------------------|--|
| 3   |     |    |    |    |    |     |    |    |    |    |                    |  |
|     | 0.6 | 1  | 3  | 8  | 18 | 25  | 18 | 8  | 3  | 1  | 0.6                |  |
| 2   | 4   | 8  | 14 | 26 | 43 | 54  | 43 | 26 | 14 | 8  | 4                  |  |
|     | 6   | 11 | 20 | 43 | 83 | 107 | 83 | 43 | 20 | 11 | 6                  |  |
| 1   | 7   | 12 | 24 | 53 | 91 | 119 | 91 | 53 | 24 | 12 | 7                  |  |
|     | 8   | 15 | 29 | 50 | 79 | 103 | 79 | 50 | 29 | 15 | 8                  |  |
| 0   |     |    |    |    |    |     |    |    |    |    |                    |  |
|     | m   | -2 | -1 |    | 0  |     | 1  | 2  | 3  |    |                    |  |