

Last information update: October 2024

**Product configuration: EL09**

EL09: 47 surface Remote – Warm White – 48 Vdc DALI – L=908mm – 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)**

2.6

**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**

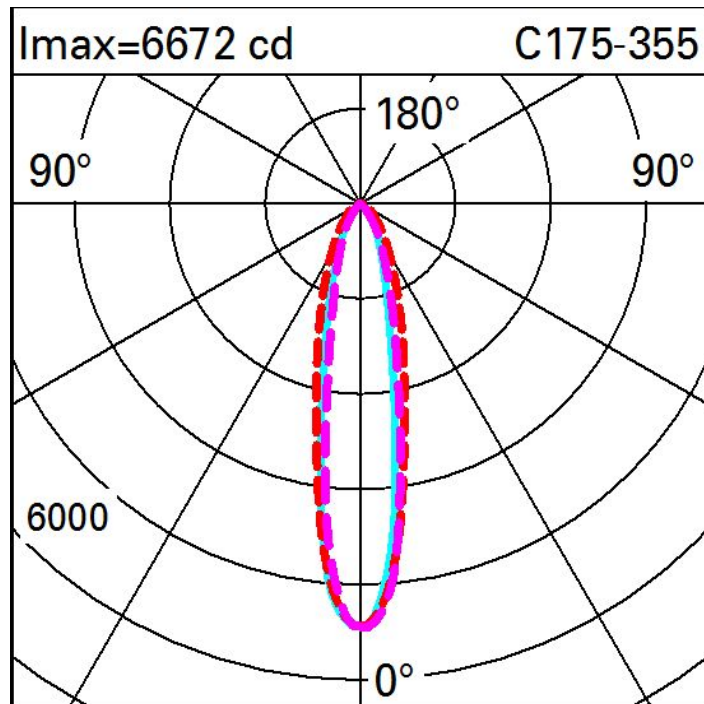
Product complete with LED lamp.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2106	MacAdam Step:	3
W system:	35.6	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	3900	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	31	Voltage [Vin]:	48
Luminous efficiency (Im/W, real value):	59.2	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]:	2700	Control:	DALI-2

Polar



Illuminances

Lux												Wall distance = 1m	
3													
	0.3	0.7	2	5	10	14	10	5	2	0.7	0.3		
2	2	4	8	14	24	30	24	14	8	4	2		
	3	6	11	24	46	59	46	24	11	6	3		
1	4	7	13	30	51	66	51	30	13	7	4		
	4	8	16	28	44	57	44	28	16	8	4		
0													
	m	-2	-1	0	1	2	3						