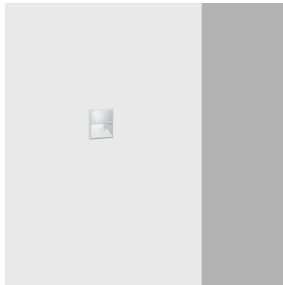


Last information update: May 2025

Product configuration: EI39.01

EI39.01: Square optic assembly 45x45mm – AL optic – Warm White LED – 24Vdc - White

**Product code**

EI39.01: Square optic assembly 45x45mm – AL optic – Warm White LED – 24Vdc - White

Technical description

Luminaire for walkways designed to use high visual comfort LED lamps. Ceiling and wall-recessed installation. It consists of an optical assembly with an IP66 protection rating and an outer casing or wall-mounted base to be ordered separately. The optical assembly and base are made of aluminium alloy treated with powder paint, which provides a high level of resistance to weather and UV rays. Plastic closure guard at the rear of the optical assembly. Complete with plastic cable gland and outlet cable. Sodium-calcium tempered satin finish safety glass. Luminaire with no visible screws. Rear compartment with quick-coupling opening system. All external screws used are made of A2 stainless steel.

Installation

Black plastic outer casing. Disposable polystyrene formwork for creating the outer casing housings for installations in concrete walls that are then plastered or finished with bricks so the end surface is flush with the optical assembly.

Colour

White (01)

Weight (Kg)

0.07

Mounting

wall arm/wall recessed/wall surface

Wiring

Version with remote 24Vdc ballast.

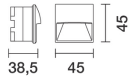
Complies with EN60598-1 and pertinent regulations



IK09



IP66

**Technical data**

Im system:	53	Life Time LED 1:	77,000h - L80 - B10 (Ta 25°C)
W system:	1.5	Life Time LED 2:	77,000h - L80 - B10 (Ta 40°C)
Im source:	170	Voltage [Vin]:	24
W source:	1.1	Lamp code:	LED
Luminous efficiency (Im/W, real value):	35.1	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	13	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	31	Intervall temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	65
Colour temperature [K]:	2700	Control:	PWM
MacAdam Step:	3		

A candela diagram for the C0-180 γ=19° beam. The diagram is a polar plot with concentric circles representing light intensity. The outermost circle is labeled $I_{max}=30 \text{ cd}$. The plot is divided into sectors by radial lines at 0°, 30°, 90°, and 180°. A cyan-colored curve represents the beam's profile, starting at the center (0°) and extending towards the 180° mark. The curve is labeled with $\alpha=64^\circ / 124^\circ$ at its base.

Figure 10 is a 3D plot showing the distribution of light intensity (Lux) and wall distance (1m) for a point source at the center of a room. The plot is a grid with Lux values ranging from 0.2 to 10 and wall distance values ranging from 0.3 to 1.0. The grid is divided into four quadrants by the Lux and wall distance axes. The Lux values are highest at the center (10) and decrease towards the walls (0.2). The wall distance values are highest at the walls (1.0) and decrease towards the center (0.3).