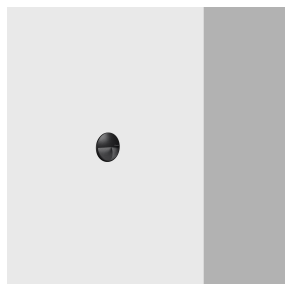


Last information update: November 2024

Product configuration: EI29.04

EI29.04: Round optic assembly Ø50mm – AL optic – Warm White LED – 24Vdc - Black

**Product code**

EI29.04: Round optic assembly Ø50mm – AL optic – Warm White LED – 24Vdc - Black

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

Black (04)

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:	23	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:	180	Voltage [Vin]:	24
W source:	1.1	Lamp code:	LED
Luminous efficiency (lm/W, real value):	15.6	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]:	1	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	13	Intervalllo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80	LED current [mA]:	65
Colour temperature [K]:	3000	Control:	PWM
MacAdam Step:	3		

Diagram illustrating the light distribution for C0-180 $\gamma=14^\circ$. The diagram shows a polar coordinate system with angles marked at 90° , 180° , and 0° . The maximum intensity is $I_{\max}=25 \text{ cd}$. The distribution is characterized by a red circle at the center and a cyan loop extending towards the 0° direction. The angle α is specified as $\alpha=43^\circ / 82^\circ$.

Graph showing Lux (Y-axis, $h=5\text{ m}$) versus distance m (X-axis) for different LED beam angles α . The curves represent the lux distribution for $\alpha = 0.0^\circ$ (black), 0.1° (purple), 0.7° (blue), and 0.9° (red). The LED is located at 1.5 W at the origin.

Figure 1 is a 3D plot showing the distribution of light intensity (Lux) in a room with a wall distance of 1m. The plot shows a grid of light intensity values (Lux) at various distances (m) from the wall. The intensity is highest at the wall (0m) and decreases as distance increases. The plot is titled "Lux" and "Wall distance = 1m".

Distance (m)	0	1	2
0	3	2	1
1	2	1	0.8
2	1	0.8	0.6