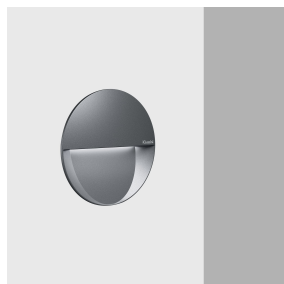


Last information update: March 2025

Product configuration: EI49.15

EI49.15: Round optic assembly Ø200mm – AL optic – Neutral White LED – 220÷240Vac - Permanent Emergency - Grey

**Product code**

EI49.15: Round optic assembly Ø200mm – AL optic – Neutral White LED – 220÷240Vac - Permanent Emergency - Grey

Technical description

Luminaire for walkways designed to use high visual comfort LED lamps. 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 is 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 and an anti-vandal system that uses an opening key to access the rear wiring compartment (supplied in the package). 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

Grey (15)

Weight (Kg)

1.15

Mounting

wall arm|wall recessed|wall surface

Wiring

Version with 220÷240Vac Emergency integrated ballast.

Complies with EN60598-1 and pertinent regulations



IK09

IP66



pending

Technical data

Im system:	446	MacAdam Step:	3
W system:	12.8	Life Time LED 1:	77,000h - L80 - B10 (Ta 25°C)
Im source:	1650	Life Time LED 2:	77,000h - L80 - B10 (Ta 40°C)
W source:	9.9	Voltage [Vin]:	230
Luminous efficiency (Im/W, real value):	34.8	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]:	10	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	27	Number of optical assemblies:	1
CRI (minimum):	80	Intervallum temperatura ambiente:	from -20°C to 50°C.
Colour temperature [K]:	4000	Control:	On/off

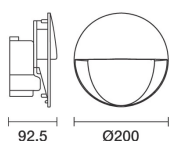


Diagram showing the light distribution for C0-180 $\gamma=27^\circ$. The diagram is a polar plot with concentric circles representing luminous intensity. The maximum intensity is $I_{\max}=349 \text{ cd}$. The angle α is $75^\circ / 92^\circ$. The plot shows a red dot at the center and a cyan loop representing the light distribution.

Graph showing the illuminance (Lux) distribution on a horizontal plane for a 12.8 W LED at a height of 5 m and an angle of 0°. The x-axis represents distance in meters (m), ranging from -1 to 9. The y-axis represents illuminance in Lux, ranging from 0 to 123.56. The curves represent constant illuminance levels, with the innermost curve labeled 123.56 and the outermost curve labeled 10. The LED is located at the origin (0,0).

Figure 10 is a 3D plot showing the distribution of light intensity (Lux) in a room with a wall distance of 1 m. The plot is a grid with distance in meters (m) on the x-axis (ranging from -3 to 3) and light intensity in Lux on the y-axis (ranging from 0 to 3). The data points show a peak intensity of 129 Lux at the center (0, 0).

Distance (m)	-3	-2	-1	0	1	2	3
3	1	4	10	29	82	129	82
2	3	7	16	38	80	110	80
1	4	7	15	30	50	62	50
0	3	5	9	13	17	19	17