

Last information update: April 2025

Product configuration: E091

E091: Floor recessed Orbit D=50mm - Blade optic

**Product code**

E091: Floor recessed Orbit D=50mm - Blade optic

Technical description

Recessed luminaire that can be installed in walls, ceilings and floors (only with a spring). It is designed to use white monochrome LED lamps, powered with a continuous current of Max 350mA per luminaire. The D = 50 mm round frame has hidden screws, an AISI 304 stainless steel body and frame and an extra-clear, sodium - calcium tempered glass cover. The luminaire is fixed to the outer casing using special locking seals that hold it in place. The unit comes complete with LED circuit. The product's wiring system features an A2 stainless steel cable gland with a 1800 mm long H05RNF type 2x1 mm² output power cable. The cable is equipped with an anti-transpiration device (IP68) that consists of a silicone-coated joint located on the power cable. Two types of outer casing are available for installation and both can be ordered separately from the plastic optic assembly. The glass unit, optical assembly and outer casing together guarantee a maximum static load resistance of 2000 kg. The maximum surface temperature of the glass is less than 40°. Luminaire protected against polarity inversion.

Installation

The product is fixed to the outer casing using special locking seals with toolfree installation. The unit can be recessed in floors, ceilings or walls using the outer casing for installation. It can also be installed in counter walls and false ceilings using special spring accessories to be ordered separately.

Colour
Steel (13)

Weight (Kg)
0.54

Mounting

wall recessed|Floor recessed|ceiling recessed|ground recessed

Wiring

Ballasts available: 350mA traditional and watertight IP67 versions. The product comes complete with a 1800 mm long H05RNF type 2x1 mm² output power cable and an electronic plate with a 350mA Max LED. Ballast to be ordered separately.

Notes

IP68 rating on both the product and the cable using IP68 connectors * The product is not suitable for installation in swimming pools and fountains.

Complies with EN60598-1 and pertinent regulations



10m
Complete immersion for limited periods,
not suitable for use in swimming pools or fountains.



The lighting fixtures were designed and tested to withstand a static load of up to 20000 N and to resist drive-over stress by vehicles with tires. The fixtures cannot be used in lanes subjected to horizontal stresses due to acceleration, braking and / or changes of direction.

Technical data

| | | | |
|--|------|---------------------------------------|--------------------------------|
| Im system: | 9 | MacAdam Step: | 2 |
| W system: | 1 | Life Time LED 1: | 100,000h - L90 - B10 (Ta 25°C) |
| Im source: | 130 | Life Time LED 2: | 100,000h - L80 - B10 (Ta 40°C) |
| W source: | 1 | Lamp code: | LED |
| Luminous efficiency (Im/W, real value): | 9.1 | 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]: | 9 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 7 | Intervallo temperatura ambiente: | from -25°C to 50°C. |
| CRI (minimum): | 80 | LED current [mA]: | 350 |
| Colour temperature [K]: | 3000 | | |

Polar

