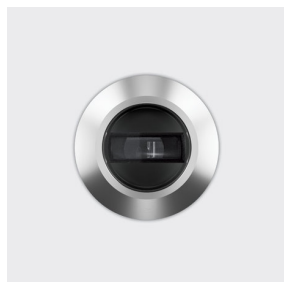


Last information update: April 2025

**Product configuration: E109+500mA**

E109: Floor recessed Orbit D=80mm - Blade optic

**Product code**

E109: Floor recessed Orbit D=80mm - Blade optic

**Technical description**

Recessed luminaire that can be installed in walls and floors. It is designed to use white monochrome LED lamps, powered with a continuous current of 350/500mA per luminaire. The D = 80 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 mm<sup>2</sup> 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 or walls using the outer casing for installation. It can also be installed in counter walls using special spring accessories to be ordered separately.

**Colour**  
Steel (13)

**Weight (Kg)**  
1.28

**Mounting**

wall recessed|Floor recessed|ground recessed

**Wiring**

Ballasts available: 350/500mA traditional and watertight IP67 versions. The product comes complete with a 1800 mm long H05RNF type 2x1 mm<sup>2</sup> output power cable and an electronic plate with a 350/500mA 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



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:	42	MacAdam Step:	2
W system:	4.5	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	520	Life Time LED 2:	100,000h - L80 - B10 (Ta 40°C)
W source:	4.2	Lamp code:	LED
Luminous efficiency (Im/W, real value):	9.2	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]:	42	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	8	Intervallo temperatura ambiente:	from -25°C to 50°C.
CRI (minimum):	80	LED current [mA]:	500
Colour temperature [K]:	3000		

Polar

