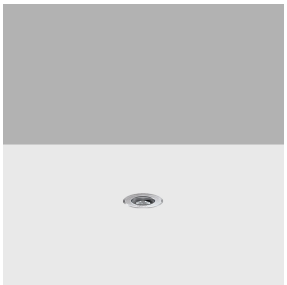
Light Up

Design iGuzzini **iGuzzini**

Last information update: October 2024

Product configuration: ER53+X489.13
ER53: Floor-recessed Orbit luminaire D=23mm - Flush-mounted stainless steel frame - Warm White LED - Spot optic
X489.13: Outer casing in plastic for the ground, floor with stainless steel ring + closure cap - Steel



Product code
ER53: Floor-recessed Orbit luminaire D=23mm - Flush-mounted stainless steel frame - Warm White LED - Spot optic

Technical description
Floor or ground-recessed luminaire designed to use white monochrome LED lamps, a fixed optic and powered with a continuous current of Max 350mA. The optical assembly with its round frame and no visible screws, is made of AISI 304 stainless steel with a 6mm thick, 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 and a metallized plastic OPTI BEAM reflector. 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. An outer casing is available for installation and 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°C.

Installation
The product is fixed to the outer casing using special locking seals with toolfree installation. The unit can be floor-recessed using the outer casing for installation or ground-recessed without the outer casing.

Colour	Weight (Kg)
Steel (13) | Gold (14) | Bronze (69) | Burnished chrome (E6)	0.19

Mounting
Floor recessed|ground recessed

Wiring
Ballasts available: traditional and IP67 sealed 350mA. 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 continuous line system that uses IP68 connectors * The product is not suitable for installation in swimming pools and fountains. Versions with a Brass (.14), Bronze (.69) and Burnished Chrome (.E6) finish applied with PVD (Physical Vapor Deposition) coating technology on the stainless steel frame.

Complies with EN60598-1 and pertinent regulations

IK09 | 2000 kg | IP66 | 10m IP68 — 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.

Accessory code
X489.13: Outer casing in plastic for the ground, floor with stainless steel ring + closure cap - Steel

Technical description
Made of plastic (polypropylene). Complete with front cap, cable extraction system and twin cable entrance.

Installation
Ground or floor mounted following the laying of a concrete base.

Colour	Weight (Kg)
Steel (13)	0.09

Mounting
ground surface|Floor recessed|ground recessed

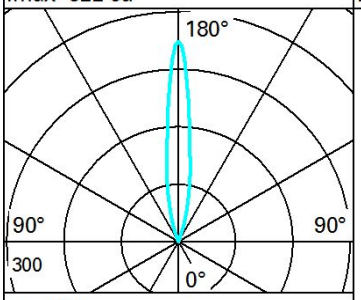
Complies with EN60598-1 and pertinent regulations

Technical data

lm system:	53	Colour temperature [K]:	2700
W system:	1	MacAdam Step:	2
lm source:	120	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W source:	1	Lamp code:	LED
Luminous efficiency (lm/W, real value):	52.8	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	53	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	44	Intervallo temperatura ambiente:	from -25°C to 35°C.
Beam angle [°]:	14°	LED current [mA]:	350
CRI (minimum):	80		

Polar

Imax=522 cd



$\alpha = 14°$

Lux

h	d	Em	Emax
2	0.5	95	131
4	1	24	33
6	1.5	11	15
8	2	6	8