Light Up

Design iGuzzini **iGuzzini**

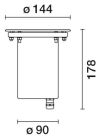
Last information update: October 2024

Product configuration: E118+X197.04
E118: Recessed floor luminaire Earth D=144 mm - Neutral White - Wide Flood optic
X197.04: Plastic casing for installation on floors + end cap - Black

Product code
E118: Recessed floor luminaire Earth D=144 mm - Neutral White - Wide Flood optic

Technical description
Recessed luminaire applicable to the floor or ground, designed for fitting monochrome white LED sources, for illumination, fixed optic, with incorporated electronic control gear. The round frame has a diameter D=144 mm; the body and frame are made of AISI 304 stainless steel with sodium-calcium extra clear glass, thickness 12mm. Stainless steel body coated with black paint. The luminaire is fixed to the outer casing by means of two TORX-type screws that ensure proper anchoring. Inclusive of LED circuit, OPTI BEAM aluminium reflector and black plastic cover. The product is wired using an A2 stainless steel cable gland, with type-H07RNF 2x1 mm² outgoing power cable (L=1200 mm). The cable is equipped with an anti-transpiration device (IP68) consisting of a silicone seal placed on the power cable and housed inside the product. The outer casing for installation can be ordered separately from the plastic optical assembly. The assembly made up of the frame, optical assembly and outer casing guarantees 5000 kg resistance to static loads. Maximum glass surface temperature is lower than 40°C.

Installation
The product is secured to the outer casing by means of two TORX-type screws. The luminaire can be installed recessed, floor-standing, using an outer casing or on the ground.



Colour	Weight (Kg)
Steel (13)	1.63

Mounting
Floor recessed|ground recessed

Wiring
Product inclusive of 220-240 VAC electronic control gear

Notes
IP68 protection rating for both the product and the power cable using IP68 connectors * The product is not deemed suitable for installation in pools and fountains. Overvoltage protection: 2KV Common mode, 1KV differenzial mode

Complies with EN60598-1 and pertinent regulations

IK10 5000 kg IP66 10m IP68 Complete immersion for limited periods, not suitable for use in swimming pools or fountains. CE S&E

The lighting fixtures were designed and tested to withstand a static load of up to 50000 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
X197.04: Plastic casing for installation on floors + end cap - Black

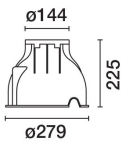
Technical description
Made of plastic (polypropylene). Inclusive of front cap with system for extracting the cables and double cable entry.

Installation
Floor-standing (concrete)

Colour	Weight (Kg)
Black (04)	0.88

Mounting
ground surface|Floor recessed|ground recessed

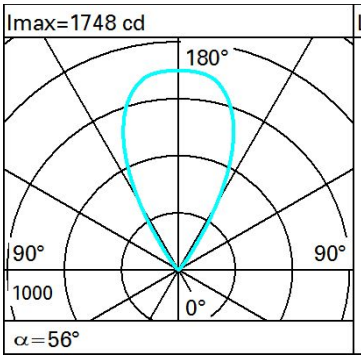
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	1334	MacAdam Step:	2
W system:	11.7	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	1690	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	9.8	Lamp code:	LED
Luminous efficiency (lm/W, real value):	114	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]:	1334	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	79	Intervallo temperatura ambiente:	from -30°C to 50°C.
Beam angle [°]:	56°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000		

Polar



Lux

h	d	Em	Emax
4	4.2	85	109
8	8.4	21	27
12	12.7	9	12
16	16.9	5	7

UGR diagram

Corrected UGR values (at 1690 lm bare lamp luminous flux)

Riflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim				viewed crosswise					viewed endwise		
x	y										
2H	2H	15.8	16.4	16.1	16.7	16.9	15.8	16.4	16.1	16.7	16.9
	3H	15.7	16.2	16.0	16.5	16.8	15.7	16.2	16.0	16.5	16.8
	4H	15.6	16.1	16.0	16.4	16.7	15.6	16.1	16.0	16.4	16.7
	6H	15.5	16.0	15.9	16.3	16.7	15.5	16.0	15.9	16.3	16.7
	8H	15.5	16.0	15.9	16.3	16.6	15.5	16.0	15.9	16.3	16.6
	12H	15.5	15.9	15.8	16.2	16.6	15.5	15.9	15.8	16.2	16.6
4H	2H	15.6	16.1	16.0	16.4	16.7	15.6	16.1	16.0	16.4	16.7
	3H	15.5	15.9	15.8	16.2	16.6	15.5	15.9	15.8	16.2	16.6
	4H	15.4	15.8	15.8	16.1	16.5	15.4	15.8	15.8	16.1	16.5
	6H	15.3	15.6	15.7	16.0	16.4	15.3	15.6	15.7	16.0	16.4
	8H	15.3	15.6	15.7	16.0	16.4	15.3	15.6	15.7	16.0	16.4
	12H	15.2	15.5	15.7	15.9	16.4	15.2	15.5	15.7	15.9	16.4
8H	4H	15.3	15.6	15.7	16.0	16.4	15.3	15.6	15.7	16.0	16.4
	6H	15.2	15.4	15.6	15.9	16.3	15.2	15.4	15.6	15.9	16.3
	8H	15.1	15.3	15.6	15.8	16.3	15.1	15.3	15.6	15.8	16.3
	12H	15.1	15.2	15.6	15.7	16.2	15.1	15.2	15.6	15.7	16.2
12H	4H	15.2	15.5	15.7	15.9	16.4	15.2	15.5	15.7	15.9	16.4
	6H	15.1	15.3	15.6	15.8	16.3	15.1	15.3	15.6	15.8	16.3
	8H	15.1	15.2	15.6	15.7	16.2	15.1	15.2	15.6	15.7	16.2

Variations with the observer position at spacing:

S =	1.0H	5.6 / -15.8	5.6 / -15.8
	1.5H	8.4 / -19.4	8.4 / -19.4
	2.0H	10.4 / -19.6	10.4 / -19.6