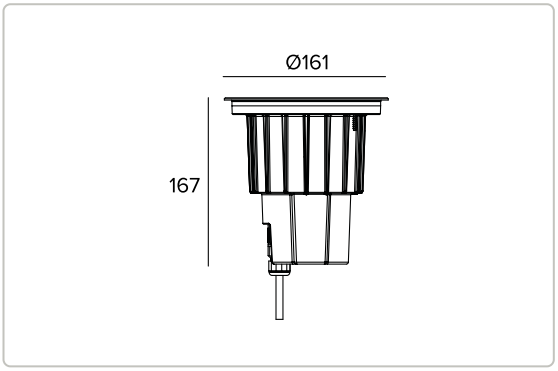
IN-GROUND LUMINAIRES

Keplero 160 Fixed

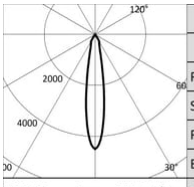
Code
E016MFR827ELACB

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
2700K 80	SP 18°	13.7W 1435lm

POWER SUPPLY CONTROL	COLOUR
110-240V ON-OFF	



The figures on the drawing are expressed in mm.



2700K		H(m)	D(m)	Emax(lx)
Ra80			18°	
Fixture Power	14W	1	0.31	8184
Source Flux	1823lm	2	0.63	2046
Fixture Flux	1435lm	3	0.94	909
Efficacy	105lm/W	4	1.25	511
TS1849 Imax=4489cd/klm	Imax 8184cd	5	1.57	327

Technical Data

Concept

Compact fixed recessed projector equipped with LED sources.

Source

High efficiency Chip on Board LED Ra80. 3500K colour temperature available on request.	
Energy efficiency class	E
Nominal power	12W
Nominal flux	1823lm
Colour rendering index	80
Rf	82
Rg	96
CCT nominal	2700K
Lifetime (L80/B10)	72000h tq +25°C
Lifetime (L90/B10)	72000h tq +25°C

TARGETTI

CCIAA Firenze
Share Capital: € 500.000,00
VAT N. (IT): 01537660480
R.E.A: FI-275656

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Due to the technological evolution of the electronic components, the data provided may be updated, and as such, confirmation must be requested during the order process.
Luminous flux and power supply have +/-10% tolerances with respect to the indicated value. tq +25°C (CIE 121).

We reserve the right to make technical changes.

Technical Data

Illuminotechnical characteristics

High efficiency reflector optical system with three beam openings.

Optic	SP
Beam angles	SP
Optical efficiency	78.72%
Fixture flux	1435lm
Luminous efficacy	105lm/W
Photobiological safety	Compliant with RG1 low risk group

Mechanical characteristics

Die-cast aluminium body with 3 layers of protection: anodised, cataphoresis and black paint. Brushed stainless steel (AISI 316) ultra flat decorative ring with bevelled edge (copper bronze finish). Version with anti-slip protective glass for public pedestrian areas. Anti theft stainless steel A4 Torx screws.

Colour and finish	Copper bronze
Dimensions	ØxH 161x167mm
Weight	1.15Kg
Version	Anti-slip glass
Degree of protection	IP66,IP67,IP68,IP69
Mechanical Resistance	IK10

Electrical characteristics

110-240Vac power supply with an ON-OFF integrated driver. Connection to the mains via IP68 watertight connectors for H07RN8-F cable (max 2x2.5mm^2).

Fixture Power	13.7W
Power supply	110-240V 50/60Hz
Insulation Class	CLASS 2
Type of driver / Control	ON-OFF
Driver included	YES
SAFE FLICKER	PstLM=<1 and SVM=<0.4 (IEC TR 61547-1 and IEC TR 63158), to ensure a more comfortable and safe light
Ambient temperature	-25°C / +35°C

Installation

Nylon installation sleeve to be ordered separately as an accessory. The sleeve is pre-set for both flush or straight edge installation. 20kN resistance to static load.

Notes

All light fixtures must be completed with an installation sleeve. IP68: the fixture is not suitable for permanent underwater installation but can withstand temporary accidental immersion to a depth of 2 metres (max.24h). IP69: IEC/EN 60529 standard compliant. All versions of the KEPLERO family meet all the requirements of EN 60598-2-13 standard regarding drive-over and walk-over performances. Low temperatures on the glass make them suitable even for installation in "special areas", such as spaces for children. Uses the "Waterblock Smart" technical solution that involves resin coating the connection cables, limiting the risk of humidity reaching the driver or the fixture. 110-277Vac version available on request.

Warning

Luminaire designed for disposal/recycling at end-of-life. Replaceable (LED only) light source by a professional. Replaceable control gear by a professional.

Related codes

Sleeve

CODE	H	Ø
1E2521	200mm	166mm

Installation sleeve.
Grey Nylon casing.
For flush and semi-flush installation.

Accessories

Filter

CODE	Ø
1T1708	70mm

Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

To be completed with a dedicated holder ring A079.

Grid

CODE	Ø
1T1711	70mm

Anti-glare louver.
Black painted metal honeycomb structure.

To be completed with a dedicated holder ring A079.

Screen

CODE	COLOUR
A079	●

Black polycarbonate accessory holder ring.

Tool

CODE
1E0388

Sucker tool to raise the glass.

CODE
1E2495

Features TORX HEAD, TX 30.

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Accessories

Tool

CODE

1E2524

Metal handle for fixture removal

Connector

CODE

1E2769

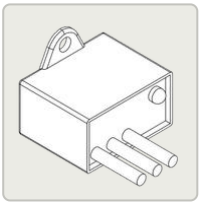
Linear connection box IP66/IP68.
5 poles max. wire section 1.5mm².
Cable diameter range from 7 to 12mm.

CODE

1E2494

Multiple connection box IP68.
1 IN - 3 OUT 4 poles max. wire section 2.5mm².
Cable diameter range from 6 to 12mm.

Surge protector



CODE

A013B

Surge protector compatible with CLASS II lighting fixtures and electronic drivers.
Operating voltage 220-240Vac.
SPD type 2+3.
Max surge protection 10kV.
CLASS II
IP67

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