IN-GROUND LUMINAIRES

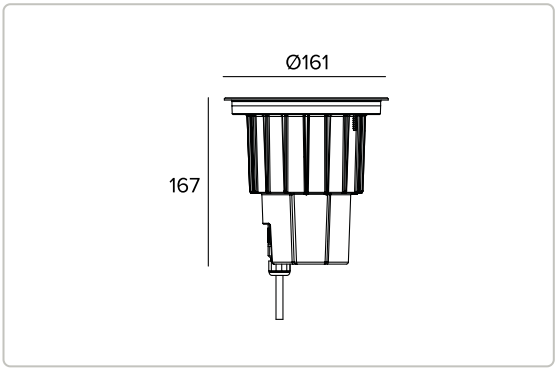
Keplero 160 Adjustable



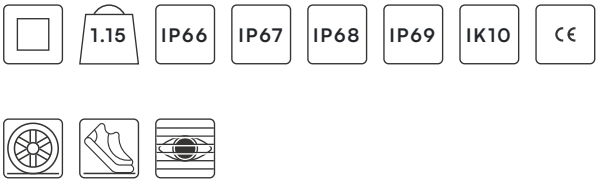
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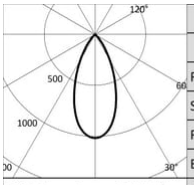
LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
4000K 80	MWFL 45°	13.1W 1072lm

POWER SUPPLY CONTROL	COLOUR
110-240V ON-OFF	



The figures on the drawing are expressed in mm.





4000K		H(m)	D(m)	Emax(lx)
Ra80			45°	
Fixture Power	13W	1	0.84	1659
Source Flux	1636lm	2	1.67	415
Fixture Flux	1072lm	3	2.51	184
Efficacy	82lm/W	4	3.35	104
Imax	1659cd	5	4.19	66

Technical Data

Concept

Compact inground adjustable projector equipped with LED sources.

Source

Ra80 High Power LED. 3500K colour temperature available on request.	
Energy efficiency class	E
Nominal power	11W
Nominal flux	1636lm
Colour rendering index	80
Rf	85.2
Rg	94.7
CCT nominal	4000K
Lifetime (L80/B10)	100000h tq +25°C
Lifetime (L90/B10)	100000h 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

Lens optical system with an optical grade PMMA lens and a holographic diffusing filter, available with three different beam openings. Aiming using a tilting system up to 20° on the vertical axis and 360° on the horizontal plane with a friction aim locking system.

Optic	MWFL
Beam angles	MWFL
Optical efficiency	65.53%
Fixture flux	1072lm
Luminous efficacy	82lm/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	13.1W
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.

Technical Data

Regulations and Certifications

CE

Warning

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

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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 accessory holder ring A079 (reflector optics only).
Cannot be used with VNL optics.

Grid

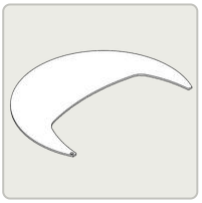


CODE	Ø
1T1711	70mm

Anti-glare louver.
Black painted metal honeycomb structure.

To be completed with accessory holder ring A079 (reflector optics only).
Cannot be used with VNL optics.

Shutter



CODE	COLOUR
1E2523	●

Black half-moon shutter.

Tool



CODE
1E0388

Sucker tool to raise the glass.



CODE
1E2495

Features TORX HEAD, TX 30.

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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.

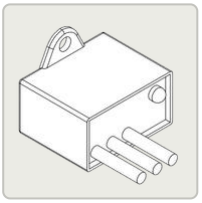


CODE

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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