IN-GROUND LUMINAIRES

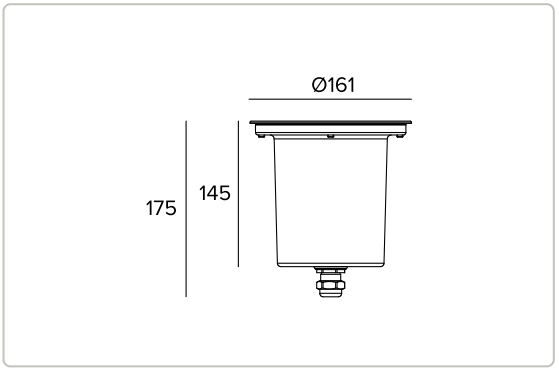
# Keplero 160 Stainless steel



**Code**
## E017MFL830DACCB

| LIGHT COLOUR | LIGHT DISTRIBUTION | OUTPUT |
|---|---|---|
| 3000K<br>80 | MWFL<br>45° | 7.4W<br>563lm |

| POWER SUPPLY CONTROL | COLOUR |
|---|---|
| 220-240Vac<br>DALI | |




**The figures on the drawing are expressed in mm.**

1.82 IP66 IP67 IP68 IK10 CE




| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra80 | | | 45° | |
| Fixture Power | 7W | 1 | 0.84 | 871 |
| Source Flux | 859lm | 2 | 1.67 | 218 |
| Fixture Flux | 563lm | 3 | 2.51 | 97 |
| Efficacy | 77lm/W | 4 | 3.35 | 54 |
| Imax | 871cd | 5 | 4.19 | 35 |

## Technical Data

### Concept

Compact fixed recessed projector equipped with LED sources.

### Source

Ra80 high efficiency High Power LED. 3500K colour temperature available on request.

| | |
|---|---|
| Energy efficiency class | E |
| Nominal power | 6,4W |
| Nominal flux | 859lm |
| Colour rendering index | 80 |
| Rf | 85 |
| Rg | 93.8 |
| CCT nominal | 3000K |
| Lifetime (L80/B10) | 100000h tq +25°C |
| Lifetime (L90/B10) | 100000h tq +25°C |

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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

Optical system composed of an optical grade PMMA lens and a holographic diffusing filter.

| | |
|---|---|
| Optic | MWFL |
| Beam angles | MWFL |
| Optical efficiency | 65.53% |
| Fixture flux | 563lm |
| Luminous efficacy | 76lm/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 extra-clear protective glass. Anti theft stainless steel A4 Torx screws.

| | |
|---|---|
| Colour and finish | Copper bronze |
| Dimensions | ØxH 161x175mm |
| Weight | 1.82Kg |
| Version | Extra-clear glass |
| Degree of protection | IP66,IP67,IP68 |
| Mechanical Resistance | IK10 |

### Electrical characteristics

220-240Vac power supply with an integrated DALI driver.

| | |
|---|---|
| Fixture Power | 7.4W |
| Power supply | 220-240Vac 50/60Hz |
| Insulation Class | CLASS 2 |
| Type of driver / Control | DALI - PUSH |
| 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 projector is not suitable for permanent underwater installation but can withstand temporary accidental immersion to a depth of 2 metres (max.24h). 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. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

### Regulations and Certifications

CE

## Technical Data

## 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

### Tool



| CODE |
|---|
| 1E0388 |

Sucker tool to raise the glass.

### Connector



| CODE |
|---|
| 1E2769 |

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

### Control systems



| CODE |
|---|
| 1E3048 |

IP67 wireless control unit with DALI interface.
It generates a local DALI2 bus, enhabling a direct connection to a DALI interface LED driver.
The module can only be used in a closed system and cannot be connected to an existing DALI network.
The module is wireless controlled using a Casambi app for smartphones and tablets using Bluetooth 5.0 technology.
The devices automatically create an adaptive, robust, and reliable wireless mesh network, allowing for the easy and efficient management of a high number of fixtures.
The control unit is preset to the DALI 1CH profile, maning the device can control a single DALI driver with broadcast commands.
In addition to the DALI broadcast, other operating modes are available, such as:

- Button (normally open)
- Control unit 0/1-10V
- Control unit DALI Tunable White DT8
- Presence sensor

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the control unit to the Casambi network.
LxHxP=108x28x65mm.

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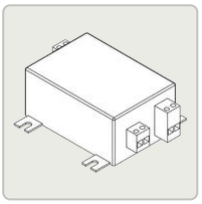
**1E4369**

IP67 Extender for wireless control of LED driver with dimming DALI interface based on Casambi technology.
It has a DALI2 output with the capacity to control up to 40 lighting fixtures.
With the addition of a further external BUS DALI power supply it is possible to control up to 64 fixtures.
IP67 Extender is preset to the DALI broadcast profile, meaning all the luminaires connected to it are dimmable at the same level.
In addition to the DALI broadcast other operating modes are available, such as:

- EXTENDER DALI 8CH
- EXTENDER DALI Tunable White
- EXTENDER DALI 4CH
- EXTENDER DALI DT8 Tunable White

If different from the preset mode, the desired operating profile must be set directly by the user before coupling the extender to the Casambi network.
LxHxP=148x40x150mm.

## Surge protector



**CODE**

**A013D**

Surge protector compatible with CLASS II lighting fixtures.
DALI, DMX, 0-10V datalines compliance.
Operating voltage 230-277Vac.
SPD type 2+3.
Max surge protection 10kV.
CLASS II
IP65

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