IN-GROUND LUMINAIRES

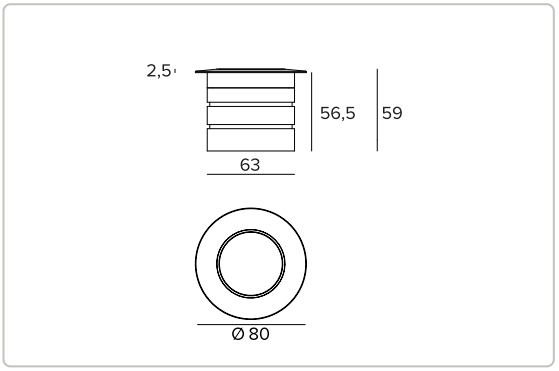
# Keplero 80



## Code
## E021FLL83024CSS

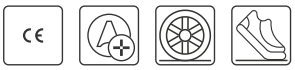
| LIGHT COLOUR | LIGHT DISTRIBUTION | OUTPUT |
|---|---|---|
| 3000K<br>80 | FL<br>39° | 6.8W<br>704lm |

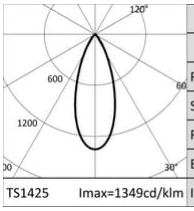
| POWER SUPPLY CONTROL | COLOUR |
|---|---|
| 24Vdc | |




The figures on the drawing are expressed in mm.






| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra80 | | | 39° | |
| Fixture Power | 7W | 1 | 0.71 | 1305 |
| Source Flux | 967lm | 2 | 1.41 | 326 |
| Fixture Flux | 704lm | 3 | 2.12 | 145 |
| Efficacy | 103lm/W | 4 | 2.83 | 82 |
| Imax | 1305cd | 5 | 3.53 | 52 |

## Technical Data

### Concept

Miniaturised recessed LED fixture.

### Source

| | |
|---|---|
| High efficiency Chip on Board LED Ra80. | |
| Energy efficiency class | D |
| Nominal power | 6,2W |
| Nominal flux | 967lm |
| Colour rendering index | 80 |
| Rf | 83 |
| Rg | 96 |
| CCT nominal | 3000K |
| 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

Targetti Sankey S.r.l.
Via Giuseppe Garibaldi, 82
50041 Calenzano (FI)
Italy

Tel: +39 055 37911
targetti.com
targetti@targetti.com

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

Precision optic system with PMMA lenses.

| | |
|---|---|
| Optic | FL |
| Beam angles | FL |
| Optical efficiency | 72.75% |
| Fixture flux | 704lm |
| Luminous efficacy | 103lm/W |
| Photobiological safety | Compliant with RG1 low risk group |

### Mechanical characteristics

Anodised polished aluminium body. Polished stainless steel front ring (natural finish). Bevelled extra-clear front glass. Passive cooling system.

| | |
|---|---|
| Colour and finish | Brushed stainless steel |
| Dimensions | ØxH 80x59mm |
| Weight | 0.5Kg |
| Version | Standard |
| Degree of protection | IP66,IP67,IP68,IP69 |
| Mechanical Resistance | IK08 |

### Electrical characteristics

Powered by a 230V/24Vdc electronic transformer to be ordered separately. Pre-wired with 300mm of wire. Dimmable with a special accessory kit.

| | |
|---|---|
| Fixture Power | 6.8W |
| Power supply | 24Vdc |
| Insulation Class | CLASS 3 |
| Driver included | NO |
| Ambient temperature | -25°C / +35°C |

### Notes

Casambi control system available using a dedicated accessory (only with DALI dimmer). 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. Values related to the power consumption of the fixture do not take into account the consumption of the accessory driver, which depends on the choice of driver. IP68: the projector 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. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

### 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.

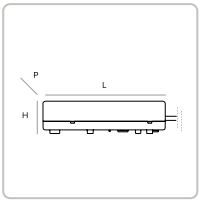


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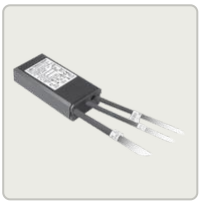
## Related codes

### Power Supply




| CODE | IP | OUTPUT VOLTAGE | POWER SUPPLY | POWER | LXHXP |
|---|---|---|---|---|---|
| 1E4359 | IP67 | 24Vdc | 220-240Vac | 14,4W | 79x25x38mm |
| 1T3726 | IP20 | 24Vdc | 220-240Vac | 50W | 185x22x64mm |
| 1T3586 | IP67 | 24Vdc | 220-240Vac | 75W | 140x32x63mm |
| 1T3587 | IP67 | 24Vdc | 220-240Vac | 100W | 230x87x43mm |
| 1T3588 | IP67 | 24Vdc | 220-240Vac | 200W | 238x42x67mm |

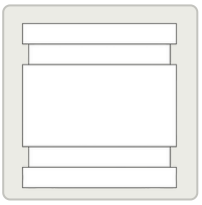
Electronic ON-OFF power supply.



| CODE | IP | OUTPUT VOLTAGE | POWER SUPPLY | POWER | LXHXP |
|---|---|---|---|---|---|
| 1E4397EL | IP68 | 24Vdc | 220-240Vac | 17W | 122x26x54mm |

Electronic ON-OFF power supply.

### Sleeve



| CODE | H | Ø |
|---|---|---|
| 1E3460 | 80mm | 75mm |

Installation sleeve.

## Accessories

### 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.

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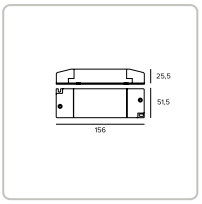
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## Control systems




**CODE**

**1T6581**

Dimmer for 12-24Vdc constant voltage LED driver.
1-10V/DALI control input.
IP20



**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.



**CODE**

**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.

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