

## IN-GROUND LUMINAIRES

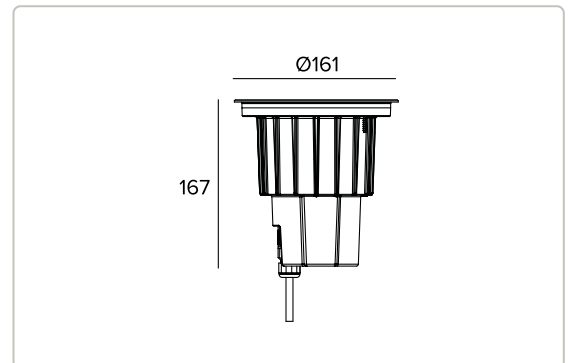
# Keplero 160

## Adjustable RGBW

Code

E015SPRRGWMXCSS

| LIGHT COLOUR         | LIGHT DISTRIBUTION                                                                | OUTPUT         |
|----------------------|-----------------------------------------------------------------------------------|----------------|
| RGBW                 | SP<br>18°                                                                         | 15.2W<br>656lm |
| POWER SUPPLY CONTROL | COLOUR                                                                            |                |
| 450mA                |  |                |



The figures on the drawing are expressed in mm.

The fixture's photometric values  
can be found on the following pages



### Technical Data

### Concept

Compact adjustable recessed projector equipped with RGBW LED sources.

### Source

High efficiency RGBW LED multichip.

|                         |                  |
|-------------------------|------------------|
| Energy efficiency class | G                |
| Nominal power           | 15W              |
| Nominal flux            | See photometries |
| Colour rendering index  |                  |
| CCT nominal             | See photometries |

# 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

Optical system composed of a high efficiency reflector and a holographic filter. 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                  | SP                                |
| Beam angles            | SP                                |
| Optical efficiency     | 74.97%                            |
| Fixture flux           | See photometries                  |
| Luminous efficacy      | See photometries                  |
| 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 (natural finish). Version with extra-clear protective glass. Anti theft stainless steel A4 Torx screws.

|                       |                         |
|-----------------------|-------------------------|
| Colour and finish     | Brushed stainless steel |
| Dimensions            | ØxH 161x167mm           |
| Weight                | 1.05Kg                  |
| Version               | Extra-clear glass       |
| Degree of protection  | IP66,IP67,IP68,IP69     |
| Mechanical Resistance | IK10                    |

### Electrical characteristics

Constant current power supply, max 450mA per channel. Remote power supply to be ordered separately.

|                     |                  |
|---------------------|------------------|
| Fixture Power       | See photometries |
| Power supply        | 450mA            |
| Insulation Class    | CLASS 3          |
| Driver included     | NO               |
| 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

Photometrics show the maximum emission values of fixtures. 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.

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Photometries

|       |                   |        |               |                 |       |        |          |          |     |
|-------|-------------------|--------|---------------|-----------------|-------|--------|----------|----------|-----|
| RGBW  | Fixture Power     | 15.2W  |               |                 |       |        |          |          |     |
|       | Nominal flux      | 875lm  |               |                 |       |        |          |          |     |
|       | Fixture flux      | 656lm  |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 43lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 | H(m)  | D(m)   | Emax(lx) |          |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 15W             | 1     | 0.32   | 3858     |          |     |
|       |                   |        | Source Flux   | 875lm           | 2     | 0.63   | 965      |          |     |
|       |                   |        | Fixture Flux  | 656lm           | 3     | 0.95   | 429      |          |     |
|       |                   |        | Efficacy      | 43lm/W          | 4     | 1.27   | 241      |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 3858cd | 5        | 1.58     | 154 |
| RGB   | Fixture Power     | 11W    |               |                 |       |        |          |          |     |
|       | Nominal flux      | 482lm  |               |                 |       |        |          |          |     |
|       | Fixture flux      | 361lm  |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 33lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 | H(m)  | D(m)   | Emax(lx) |          |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 11W             | 1     | 0.32   | 2122     |          |     |
|       |                   |        | Source Flux   | 482lm           | 2     | 0.63   | 531      |          |     |
|       |                   |        | Fixture Flux  | 361lm           | 3     | 0.95   | 236      |          |     |
|       |                   |        | Efficacy      | 33lm/W          | 4     | 1.27   | 133      |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 2122cd | 5        | 1.58     | 85  |
| WHITE | CCT nominal       | 6500K  |               |                 |       |        |          |          |     |
|       | Fixture Power     | 4.2W   |               |                 |       |        |          |          |     |
|       | Nominal flux      | 388lm  |               |                 |       |        |          |          |     |
|       | Fixture flux      | 291lm  |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 69lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 | 6500K | H(m)   | D(m)     | Emax(lx) |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 4W              | 1     | 0.32   | 1710     |          |     |
|       |                   |        | Source Flux   | 388lm           | 2     | 0.63   | 427      |          |     |
|       |                   |        | Fixture Flux  | 291lm           | 3     | 0.95   | 190      |          |     |
|       |                   |        | Efficacy      | 69lm/W          | 4     | 1.27   | 107      |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 1710cd | 5        | 1.58     | 68  |
| RED   | Fixture Power     | 3W     |               |                 |       |        |          |          |     |
|       | Nominal flux      | 168lm  |               |                 |       |        |          |          |     |
|       | Fixture flux      | 126lm  |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 42lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       | H(m)   | D(m)     | Emax(lx) |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 3W              | 1     | 0.32   | 740      |          |     |
|       |                   |        | Source Flux   | 168lm           | 2     | 0.63   | 185      |          |     |
|       |                   |        | Fixture Flux  | 126lm           | 3     | 0.95   | 82       |          |     |
|       |                   |        | Efficacy      | 43lm/W          | 4     | 1.27   | 46       |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 740cd  | 5        | 1.58     | 30  |
| GREEN | Fixture Power     | 4.1W   |               |                 |       |        |          |          |     |
|       | Nominal flux      | 268lm  |               |                 |       |        |          |          |     |
|       | Fixture flux      | 201lm  |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 49lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       | H(m)   | D(m)     | Emax(lx) |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 4W              | 1     | 0.32   | 1181     |          |     |
|       |                   |        | Source Flux   | 268lm           | 2     | 0.63   | 295      |          |     |
|       |                   |        | Fixture Flux  | 201lm           | 3     | 0.95   | 131      |          |     |
|       |                   |        | Efficacy      | 49lm/W          | 4     | 1.27   | 74       |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 1181cd | 5        | 1.58     | 47  |
| BLUE  | Fixture Power     | 4W     |               |                 |       |        |          |          |     |
|       | Nominal flux      | 65lm   |               |                 |       |        |          |          |     |
|       | Fixture flux      | 49lm   |               |                 |       |        |          |          |     |
|       | Luminous efficacy | 12lm/W |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       |        |          |          |     |
|       |                   |        |               |                 |       | H(m)   | D(m)     | Emax(lx) |     |
|       |                   |        |               |                 |       |        | 18°      |          |     |
|       |                   |        | Fixture Power | 4W              | 1     | 0.32   | 288      |          |     |
|       |                   |        | Source Flux   | 65lm            | 2     | 0.63   | 72       |          |     |
|       |                   |        | Fixture Flux  | 49lm            | 3     | 0.95   | 32       |          |     |
|       |                   |        | Efficacy      | 12lm/W          | 4     | 1.27   | 18       |          |     |
|       |                   |        | TS1412        | Imax=4407cd/klm | Imax  | 288cd  | 5        | 1.58     | 12  |

## Related codes

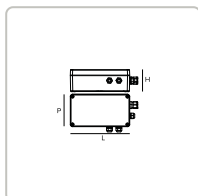
## Sleeve



| CODE   | H     | Ø     |
|--------|-------|-------|
| 1E2521 | 200mm | 166mm |

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

## Power Supply



| CODE   |
|--------|
| 1E3881 |

DMX 4 channel driver - 450mA.  
50W, LxHxP=220x80x120mm, 110-277Vac.  
IP68 gray powder coated aluminum box.

## Accessories

## Tool



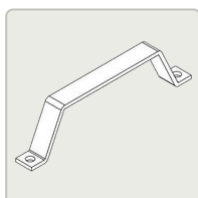
| CODE   |
|--------|
| 1E0388 |

Sucker tool to raise the glass.



| CODE   |
|--------|
| 1E2495 |

Features TORX HEAD, TX 30.



| CODE   |
|--------|
| 1E2524 |

Metal handle for fixture removal

## Control systems



| CODE   |
|--------|
| 1E2767 |

USB-RDM Programmer code.  
DMX-RDM (Remote Device Management) address planner.  
Used with the "RDM Targetti" software that can be downloaded for free from the Targetti website download section.  
To be used with all RGBW products.  
The USB-RDM programmer manages to direct DMX-RDM fixtures if there are no BUFFER or Splitter DMXs on the section.  
Please refer to the instructions for more details.

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## Accessories

## Control systems



### CODE

**A077**

my-SCENARIO Show Store.

Programmable DMX interface that integrates the latest innovations in lighting control in architectural and entertainment applications.

It features USB Type-C and Ethernet ports for programming and remote control.

The unit can be fully programmed with ESA Pro 2 software (available for Windows and Mac users) or via mobile applications such as Arcolis (available for iOS or Android devices).

It can be fully customised: pixel mapping, triggering management, patch configuration and much more.

The system offers great possibilities for the control of your lighting installation: multi zone control (allowing the management of up to 5 independent zones), extended triggers (time/date, Sunrise/Sunset, input ports, TCP/UDP commands), 16-bit channels management, full recovery after power loss, up to 99 total scenes, and 1024+ DMX channels.

The intuitive backlit keyboard comes with 10 preset buttons for a user friendly experience.



### CODE

**1T6499**

myScenario Wall.

DMX controller with a glass touch sensitive screen for architectural applications.

It can control two different DMX universes (2x 512 channels).

Stand alone function or connected to a computer using a USB port.

Software for creating scenarios (that can be downloaded from the Targetti website) included.

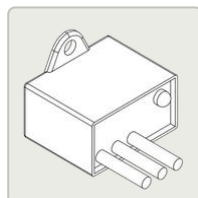
It can manage 10 different lighting zones and 50 scenarios per zone.

The touch keys on the front make it possible to modify and recall programmed scenarios.

USB cable included.

To be used with all RGBW products.

## Surge protector



### CODE

**A013A**

Surge protector compatible with CLASS I lighting fixtures.

Operating voltage 230-277Vac.

SPD type 2+3.

Max surge protection 10kV.

CLASS I

IP67

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