IN-GROUND LUMINAIRES

RECESSED CEILING LUMINAIRES

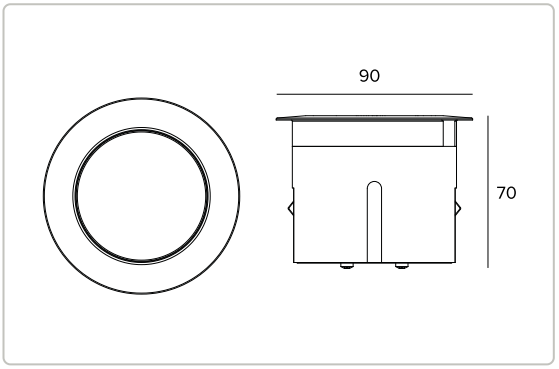
WALL RECESSED LUMINAIRES

# Keplero Quantum 90 Adjustable

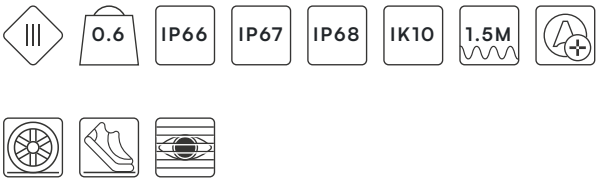
**Code**
**E040MFL830AEB**

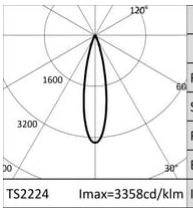
| LIGHT COLOUR | LIGHT DISTRIBUTION | OUTPUT |
|---|---|---|
| 3000K<br>80 | FL<br>24° | 10.3W<br>996lm |

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




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




| 3000K | | H(m) | D(m) | Emax(lx) |
|---|---|---|---|---|
| Ra80 | | | 24° | |
| Fixture Power | 10W | 1 | 0.42 | 4564 |
| Source Flux | 1359lm | 2 | 0.84 | 1141 |
| Fixture Flux | 996lm | 3 | 1.26 | 507 |
| Efficacy | 97lm/W | 4 | 1.68 | 285 |
| Imax | 4564cd | 5 | 2.10 | 183 |

## Technical Data

### Concept

Recessed professional projector with an adjustable optical unit.

### Source

| High efficiency Chip on Board LED. 3000K (Ra80) colour temperature. | |
|---|---|
| Energy efficiency class | C |
| Nominal power | 9,3W |
| Nominal flux | 1359lm |
| Colour rendering index | 80 |
| Rf | 84 |
| Rg | 97 |
| CCT nominal | 3000K |
| Lifetime (L80/B10) | 56000h tq +25°C |
| Lifetime (L90/B10) | 56000h 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

Optical grade PMMA lens and holographic diffusing filter. Adjustability of the optical unit up to 15° on the vertical plane. Tilting of the optical unit made through external regulation without opening the product.

| | |
|---|---|
| Optic | FL |
| Beam angles | FL |
| Optical efficiency | 73.31% |
| Fixture flux | 996lm |
| Luminous efficacy | 97lm/W |
| Photobiological safety | Compliant with RG1 low risk group |

### Mechanical characteristics

Aluminium body made by CNC machinining process and treated with black anodizing. Ultra flat decorative ring with a flared edge, made of brushed stainless steel (AISI 316) in a eclipse black finish. Anti-slip glass for public pedestrian areas.

| | |
|---|---|
| Colour and finish | Eclipse black |
| Dimensions | ØxH 90x70mm |
| Weight | 0.6Kg |
| Version | Anti-slip glass |
| Degree of protection | IP66,IP67,IP68 |
| Mechanical Resistance | IK10 |

### Electrical characteristics

24Vdc power supply. ON-OFF or DALI2 remote driver to be ordered separately. Precabled with 1,5m 2x0,5mm$^2$ cable. Casambi control system available via accessory (for products with DALI2 driver only).

| | |
|---|---|
| Fixture Power | 10.3W |
| Power supply | 24Vdc |
| Insulation Class | CLASS 3 |
| Driver included | NO |
| 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

In-ground installation by a reinforced nylon sleeve, to be ordered separately. Sleeves are available for flush or trim installation. 20kN resistance to static load. Wall/ceiling installation by the accessory mounting systems.

### Notes

IP68: the fixture is not suitable for permanent underwater installation but can withstand temporary accidental immersion to a depth of 1.5 metres (max.1h). All the Keplero Quantum 90 versions (except all-glass versions) meet the drive-over and walk-over requirements set out in the EN 60598-2-13 standard. Low temperatures on the glass make them suitable even for installation in "special areas", such as spaces for children. It features the "Waterblock Smart" technical solution which involves resin-sealing the connection cables to minimize the risk of moisture rising into the fixture. Commissioning of the control system via free APP; the intervention of a specialist technician can be quoted on request.

### Warranty

5 years.

## Technical Data

## Warning

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

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## Related codes

### Sleeve

| CODE | P | H | L |
|---|---|---|---|
| A124 | 219mm | 126mm | 219mm |

Reinforced nylon installation sleeve.
The sleeve is designed for the trim installation of the fixture.
Complete with a cover element to protect the recessed housing during concrete pouring.
AxB 219x219 H. 126

| CODE | COLOUR | P | H | L |
|---|---|---|---|---|
| A125EB | ● | 219mm | 127mm | 219mm |

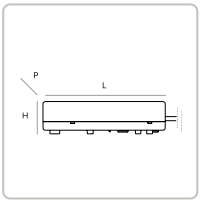
Reinforced nylon installation sleeve.
The sleeve is designed for the flush installation of the fixture.
Complete with a cover element to protect the recessed housing during concrete pouring.
AxB 219x219 H. 127

### Mounting System

| CODE |
|---|
| A127 |

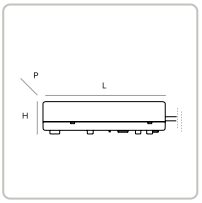
Steel spring kit for wall and ceiling installations.

### Power Supply




| CODE | IP | OUTPUT VOLTAGE | POWER SUPPLY | POWER | LXHXP |
|---|---|---|---|---|---|
| A134EL | IP67 | 24Vdc | 220-240Vac | 60W MAX | 171x37x62mm |
| A137EL | IP67 | 24Vdc | 220-240Vac | 150W MAX | 228x39x68mm |

Electronic ON-OFF power supply.




| CODE | IP | OUTPUT VOLTAGE | POWER SUPPLY | POWER | LXHXP |
|---|---|---|---|---|---|
| A134D2 | IP67 | 24Vdc | 220-240Vac | 60W MAX | 150x35x53mm |
| A136D2 | IP67 | 24Vdc | 220-240Vac | 120W MAX | 191x38x63mm |

DALI2 power supply.

## Accessories

### Connector

| CODE |
|---|
| 1E2493 |

Linear connection box IP68.
4 poles max. wire section 2.5mm².
Cable diameter range from 7 to 12mm.

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**CODE**

**1E2494**

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

## Tool

**CODE**

**1E3305**

Tightening wrench for the connector kit.

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