IN-GROUND LUMINAIRES

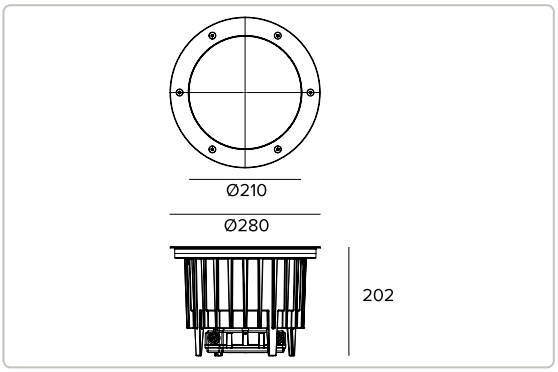
Keplero 280 Zoom



Code
E013ZMH840DACEB

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
4000K 80	Multioptic Zoom 19°, 26°, 43°, 64°	35.3W 1854-3216lm

POWER SUPPLY CONTROL	COLOUR
220-240Vac DALI	



The figures on the drawing are expressed in mm.



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

Technical Data

Concept

Adjustable recessed professional projector equipped with LED sources and variable beam openings.

Source

High efficiency Chip on Board LED Ra80. 3500K colour temperature available on request.	
Energy efficiency class	D
Nominal power	30W
Nominal flux	5064lm
Colour rendering index	80
Rf	82
Rg	95
CCT nominal	4000K
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
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We reserve the right to make technical changes.

Technical Data

Illuminotechnical characteristics

A patented hybrid lens/reflector Zoom optical system with the possibility of sliding and locking on the vertical axis in four positions for as many beam openings. Beam adjustability up to 20° on the vertical plane and 360° on the horizontal plane obtained by rototranslation of the optical group, with double aim locking system. Optic group pre-set for the installation of one or more dedicated optical accessories to be ordered separately.

Optic	Multioptic Zoom
Beam angles	SP, FL, MWFL, WFL
Optical efficiency	See photometries
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. Ultra flat decorative ring with a flared edge, made of brushed stainless steel (AISI 316) (eclipse black finish). Version with extra-clear protective glass. Anti theft stainless steel A4 Torx screws.

Colour and finish	Eclipse black
Dimensions	ØxH 280x202mm
Weight	5.25Kg
Version	Extra-clear glass
Degree of protection	IP66,IP67,IP68
Mechanical Resistance	IK10

Electrical characteristics

Integrated IP68 DALI power supply equipped with IP68 waterproof connectors set for connection to the mains with a H07RN8-F (max2x2.5mm²) cable. Fixture with a pass-through line. Casambi control system available using a dedicated accessory (only for DALI version products).

Fixture Power	35.3W
Power supply	220-240Vac 50/60Hz
Insulation Class	CLASS 2
Type of driver / Control	DALI
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 Plus" technical solution that involves resin coating the connection cables and completely resin coating the integrated driver limiting the risk of humidity reaching 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.

Technical Data

Regulations and Certifications

CE

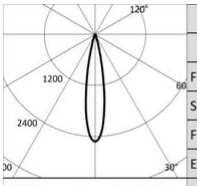
Warning

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

Photometries

SP

Fixture flux	1854lm
Luminous efficacy	53lm/W
Optical efficiency	36.62%

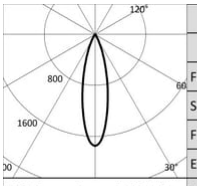


4000K		H(m)	D(m)	Emax(lx)
Ra80			19°	
Fixture Power	35W	1	0.34	12754
Source Flux	5064lm	2	0.67	3189
Fixture Flux	1854lm	3	1.01	1417
Efficacy	53lm/W	4	1.34	797
Imax	12754cd	5	1.68	510

TS782 Imax=2519cd/klm

FL

Fixture flux	2454lm
Luminous efficacy	70lm/W
Optical efficiency	48.46%

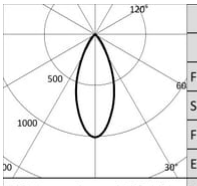


4000K		H(m)	D(m)	Emax(lx)
Ra80			26°	
Fixture Power	35W	1	0.46	8836
Source Flux	5064lm	2	0.93	2209
Fixture Flux	2454lm	3	1.39	982
Efficacy	70lm/W	4	1.86	552
Imax	8836cd	5	2.32	353

TS781 Imax=1745cd/klm

MWFL

Fixture flux	3066lm
Luminous efficacy	87lm/W
Optical efficiency	60.55%

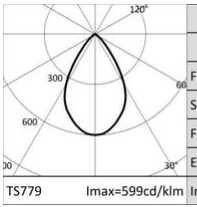


4000K		H(m)	D(m)	Emax(lx)
Ra80			43°	
Fixture Power	35W	1	0.78	5096
Source Flux	5064lm	2	1.56	1274
Fixture Flux	3066lm	3	2.34	566
Efficacy	87lm/W	4	3.12	319
Imax	5096cd	5	3.90	204

TS780 Imax=1006cd/klm

WFL

Fixture flux	3216lm
Luminous efficacy	91lm/W
Optical efficiency	63.5%



4000K		H(m)	D(m)	Emax(lx)
Ra80			64°	
Fixture Power	35W	1	1.25	3032
Source Flux	5064lm	2	2.50	758
Fixture Flux	3216lm	3	3.75	337
Efficacy	91lm/W	4	5.00	190
Imax	3032cd	5	6.25	121

TS779 Imax=599cd/klm

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Related codes

Sleeve



CODE
1E2394

Grey nylon installation sleeve.
The sleeve is pre-set for both flush or straight edge installation.
Complete with dedicated cover cap for installations in concrete.
Flush ring Ø 286 H.225.
Straight edge ring Ø 271 H. 223.

Accessories

Filter



CODE	Ø
1T1696	101mm

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.

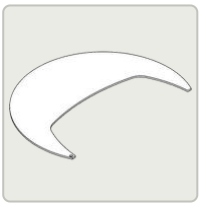
Grid



CODE	Ø
1T1699	101mm

Anti-glare louver.
Black painted metal honeycomb structure.

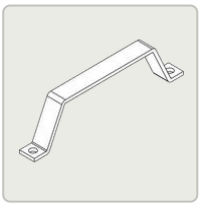
Shutter



CODE	COLOUR
1E2402	●

Half-moon shutter.

Tool



CODE
1E2496

Metal handle for fixture removal



CODE
1E2495

Features TORX HEAD, TX 30.

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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.



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:

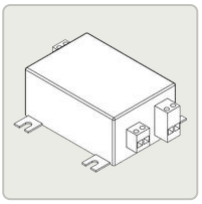
- EXTENDER DALI 8CH
- EXTENDER DALI Tunable White
- EXTENDER DALI 4CH
- EXTENDER DALI DT8 Tunable White

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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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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