IN-GROUND LUMINAIRES

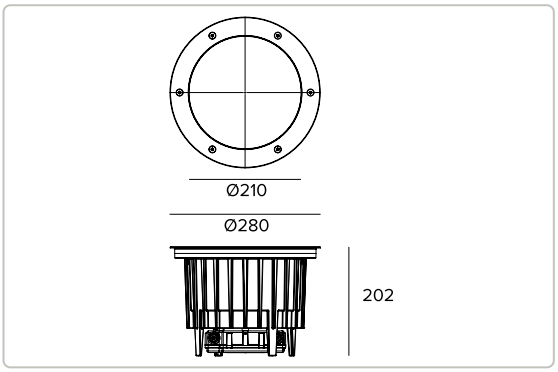
Keplero 280 Zoom



Code
E013ZMH830ELCSS

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
3000K 80	Multioptic Zoom 19°, 26°, 43°, 64°	34.9W 1801-3124lm

POWER SUPPLY CONTROL	COLOUR
220-240Vac ON-OFF	



The figures on the drawing are expressed in mm.

5.25 IP66 IP67 IP68 IK10 CE

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	4919lm
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

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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. 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 280x202mm
Weight	5.25Kg
Version	Extra-clear glass
Degree of protection	IP66,IP67,IP68
Mechanical Resistance	IK10

Electrical characteristics

Integrated IP68 ON-OFF electronic 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.

Fixture Power	34.9W
Power supply	220-240Vac 50/60Hz
Insulation Class	CLASS 2
Type of driver / Control	ON-OFF
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.

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.

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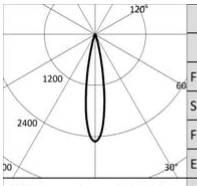
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Photometries

SP

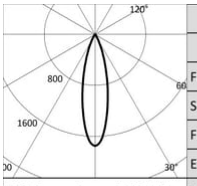
Fixture flux	1801lm
Luminous efficacy	52lm/W
Optical efficiency	36.62%



	3000K		H(m)	D(m)	Emax(lx)
	Ra80			19°	
Fixture Power	35W		1	0.34	12389
Source Flux	4919lm		2	0.67	3097
Fixture Flux	1801lm		3	1.01	1377
Efficacy	52lm/W		4	1.34	774
TS782	Imax=2519cd/klm	Imax	12389cd	5	1.68	496

FL

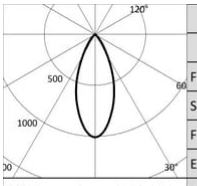
Fixture flux	2384lm
Luminous efficacy	68lm/W
Optical efficiency	48.46%



	3000K		H(m)	D(m)	Emax(lx)
	Ra80			26°	
Fixture Power	35W		1	0.46	8583
Source Flux	4919lm		2	0.93	2146
Fixture Flux	2384lm		3	1.39	954
Efficacy	68lm/W		4	1.86	536
TS781	Imax=1745cd/klm	Imax	8583cd	5	2.32	343

MWFL

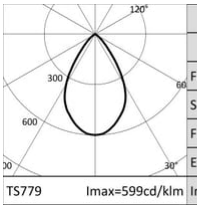
Fixture flux	2978lm
Luminous efficacy	85lm/W
Optical efficiency	60.55%



	3000K		H(m)	D(m)	Emax(lx)
	Ra80			43°	
Fixture Power	35W		1	0.78	4950
Source Flux	4919lm		2	1.56	1238
Fixture Flux	2978lm		3	2.34	550
Efficacy	85lm/W		4	3.12	309
TS780	Imax=1006cd/klm	Imax	4950cd	5	3.90	198

WFL

Fixture flux	3124lm
Luminous efficacy	90lm/W
Optical efficiency	63.5%



	3000K		H(m)	D(m)	Emax(lx)
	Ra80			64°	
Fixture Power	35W		1	1.25	2945
Source Flux	4919lm		2	2.50	736
Fixture Flux	3124lm		3	3.75	327
Efficacy	90lm/W		4	5.00	184
TS779	Imax=599cd/klm	Imax	2945cd	5	6.25	118

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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.

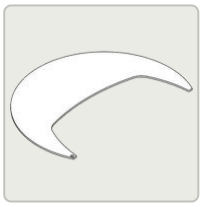
Grid



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.

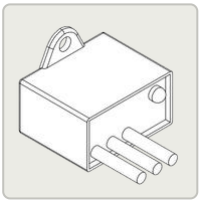


CODE

1E2494

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

Surge protector



CODE

A013B

Surge protector compatible with CLASS II lighting fixtures and electronic drivers.
Operating voltage 220-240Vac.
SPD type 2+3.
Max surge protection 10kV.
CLASS II
IP67

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