

IN-GROUND LUMINAIRES

Keplero 280 Zoom

Code
E013ZMH827ELCCB

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
2700K 80	Multioptic Zoom 19°, 26°, 43°, 64°	35.3W 1707-2960lm
POWER SUPPLY CONTROL	COLOUR	
220-240Vac ON-OFF		



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	E
Nominal power	30W
Nominal flux	4662lm
Colour rendering index	80
Rf	82
Rg	96
CCT nominal	2700K
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

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 (copper bronze finish). Version with extra-clear protective glass. Anti theft stainless steel A4 Torx screws.

Colour and finish	Copper bronze
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	35.3W
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.

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Technical Data

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

SP

Fixture flux

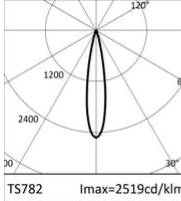
1707lm

Luminous efficacy

48lm/W

Optical efficiency

36.62%



2700K	H(m)	D(m)	Emax(lx)
Ra80		19°	
Fixture Power	35W	1	0.34 11742
Source Flux	4662lm	2	0.67 2935
Fixture Flux	1707lm	3	1.01 1305
Efficacy	48lm/W	4	1.34 734
TS782	I _{max} =2519cd/klm	I _{max}	11742cd 5 1.68 470

FL

Fixture flux

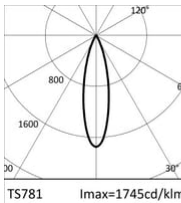
2259lm

Luminous efficacy

64lm/W

Optical efficiency

48.46%



2700K	H(m)	D(m)	Emax(lx)
Ra80		26°	
Fixture Power	35W	1	0.46 8134
Source Flux	4662lm	2	0.93 2034
Fixture Flux	2259lm	3	1.39 904
Efficacy	64lm/W	4	1.86 508
TS781	I _{max} =1745cd/klm	I _{max}	8134cd 5 2.32 325

MWFL

Fixture flux

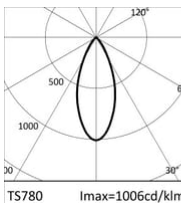
2823lm

Luminous efficacy

80lm/W

Optical efficiency

60.55%



2700K	H(m)	D(m)	Emax(lx)
Ra80		43°	
Fixture Power	35W	1	0.78 4692
Source Flux	4662lm	2	1.56 1173
Fixture Flux	2823lm	3	2.34 521
Efficacy	80lm/W	4	3.12 293
TS780	I _{max} =1006cd/klm	I _{max}	4692cd 5 3.90 188

WFL

Fixture flux

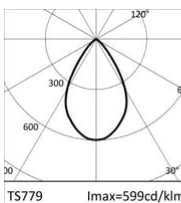
2960lm

Luminous efficacy

84lm/W

Optical efficiency

63.5%



2700K	H(m)	D(m)	Emax(lx)
Ra80		64°	
Fixture Power	35W	1	1.25 2792
Source Flux	4662lm	2	2.50 698
Fixture Flux	2960lm	3	3.75 310
Efficacy	84lm/W	4	5.00 174
TS779	I _{max} =599cd/klm	I _{max}	2792cd 5 6.25 112

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

1T1696

Ø

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

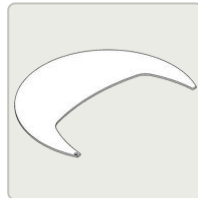
1T1699

Ø

101mm

Anti-glare louver.
Black painted metal honeycomb structure.

Shutter



CODE

1E2402

COLOUR



Half-moon shutter.

Tool



CODE

1E2496

Metal handle for fixture removal



CODE

1E2495

Features TORX HEAD, TX 30.

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Accessories

Tool



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