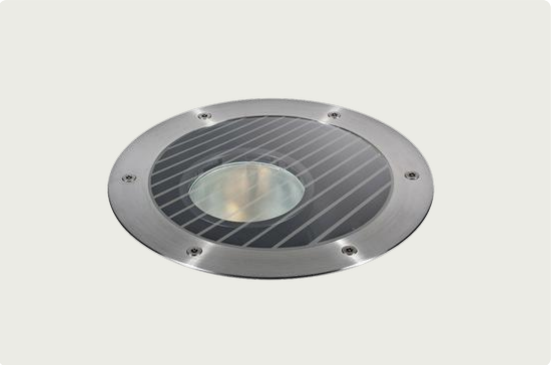
IN-GROUND LUMINAIRES

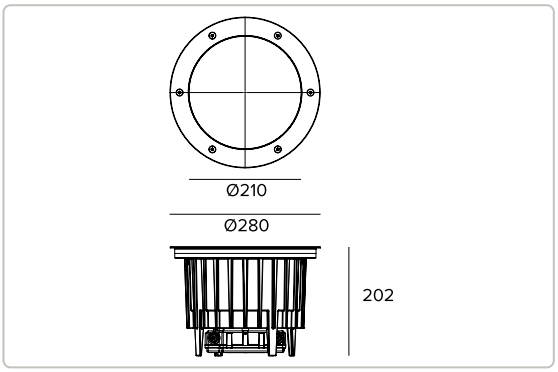
Keplero 280 Zoom RGBW



Code
E013ZMHRGWMXACB

LIGHT COLOUR	LIGHT DISTRIBUTION	OUTPUT
RGBW	Multioptic Zoom 23°, 32°, 51°, 72°	56W 826-1403lm

POWER SUPPLY CONTROL	COLOUR
120-277V DMX RDM	



The figures on the drawing are expressed in mm.

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

Technical Data

Concept

Professional inground recessed adjustable RGBW LED projector.

Source

High efficiency RGBW LED Emitter.	
Energy efficiency class	G
Nominal power	49W
Nominal flux	See photometries
Colour rendering index	See photometries
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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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	100%
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 anti-slip protective glass for public pedestrian areas. Anti theft stainless steel A4 Torx screws.

Colour and finish	Copper bronze
Dimensions	ØxH 280x202mm
Weight	5.7Kg
Version	Anti-slip glass
Degree of protection	IP66,IP67
Mechanical Resistance	IK10

Electrical characteristics

Integrated electronic power supply. Controlled using DMX-RDM protocols that make it possible to programme the fixture remotely (no dip-switch) using the DMX data line. Programming the fixtures is done using the USB-RDM programmer that is available as an accessory.

Fixture Power	See photometries
Power supply	120-277V 50/60Hz
Insulation Class	CLASS 1
Type of driver / Control	DMX RDM
Driver included	YES
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. 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. Photometrics show the maximum emission values of fixtures. 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

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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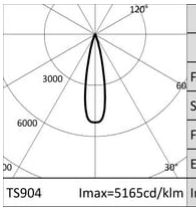
Photometries

SP / RGBW

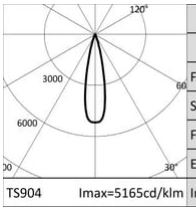
Fixture Power	56W
Nominal flux	826lm
Fixture flux	826lm
Luminous efficacy	15lm/W



-		H(m)	D(m)	Emax(lx)
-			23°	
Fixture Power	56W	1	0.42	4267
Source Flux	826lm	2	0.83	1067
Fixture Flux	826lm	3	1.25	474
Efficacy	15lm/W	4	1.66	267
TS904 Imax=5165cd/klm	Imax	4267cd	5	2.08	171

SP / RGB

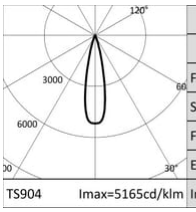
Fixture Power	58W
Nominal flux	702lm
Fixture flux	702lm
Luminous efficacy	12lm/W



-		H(m)	D(m)	Emax(lx)
-			23°	
Fixture Power	58W	1	0.42	3626
Source Flux	702lm	2	0.83	907
Fixture Flux	702lm	3	1.25	403
Efficacy	12lm/W	4	1.66	227
TS904 Imax=5165cd/klm	Imax	3626cd	5	2.08	145

SP / WHITE

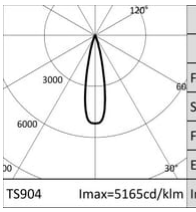
CCT nominal	4000K
Colour rendering index	80
Fixture Power	15W
Nominal flux	287lm
Fixture flux	287lm
Luminous efficacy	19lm/W



4000K		H(m)	D(m)	Emax(lx)
Ra80			23°	
Fixture Power	15W	1	0.42	1482
Source Flux	287lm	2	0.83	371
Fixture Flux	287lm	3	1.25	165
Efficacy	19lm/W	4	1.66	93
TS904 Imax=5165cd/klm	Imax	1482cd	5	2.08	59

SP / RED

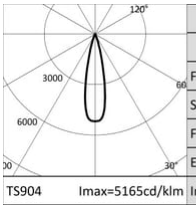
Fixture Power	20W
Nominal flux	265lm
Fixture flux	265lm
Luminous efficacy	13lm/W



-		H(m)	D(m)	Emax(lx)
-			23°	
Fixture Power	20W	1	0.42	1369
Source Flux	265lm	2	0.83	342
Fixture Flux	265lm	3	1.25	152
Efficacy	13lm/W	4	1.66	86
TS904 Imax=5165cd/klm	Imax	1369cd	5	2.08	55

SP / GREEN

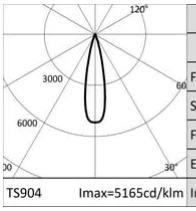
Fixture Power	28W
Nominal flux	439lm
Fixture flux	439lm
Luminous efficacy	16lm/W



-		H(m)	D(m)	Emax(lx)
-			23°	
Fixture Power	28W	1	0.42	2268
Source Flux	439lm	2	0.83	567
Fixture Flux	439lm	3	1.25	252
Efficacy	16lm/W	4	1.66	142
TS904 Imax=5165cd/klm	Imax	2268cd	5	2.08	91

SP / BLUE

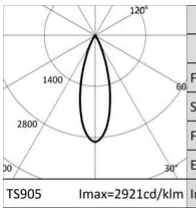
Fixture Power	20W
Nominal flux	85lm
Fixture flux	85lm
Luminous efficacy	4lm/W



-		H(m)	D(m)	Emax(lx)
-			23°	
Fixture Power	20W	1	0.42	439
Source Flux	85lm	2	0.83	110
Fixture Flux	85lm	3	1.25	49
Efficacy	4lm/W	4	1.66	27
TS904 Imax=5165cd/klm	Imax	439cd	5	2.08	18

FL / RGBW

Fixture Power	56W
Nominal flux	1086lm
Fixture flux	1086lm
Luminous efficacy	19lm/W



-		H(m)	D(m)	Emax(lx)
-			32°	
Fixture Power	56W	1	0.57	3172
Source Flux	1086lm	2	1.14	793
Fixture Flux	1086lm	3	1.71	352
Efficacy	19lm/W	4	2.27	198
TS905 Imax=2921cd/klm	Imax	3172cd	5	2.84	127

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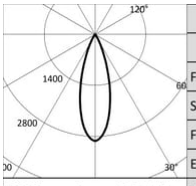
Photometries

FL / RGB

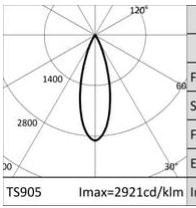
Fixture Power	58W
Nominal flux	939lm
Fixture flux	939lm
Luminous efficacy	16lm/W



-		H(m)	D(m)	Emax(lx)
-			32°	
Fixture Power	58W	1	0.57	2742
Source Flux	939lm	2	1.14	686
Fixture Flux	939lm	3	1.71	305
Efficacy	16lm/W	4	2.27	171
TS905 Imax=2921cd/klm	Imax 2742cd	5	2.84	110

FL / WHITE

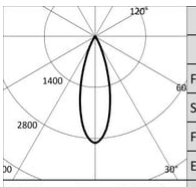
CCT nominal	4000K
Colour rendering index	80
Fixture Power	15W
Nominal flux	364lm
Fixture flux	364lm
Luminous efficacy	24lm/W



4000K		H(m)	D(m)	Emax(lx)
Ra80			32°	
Fixture Power	15W	1	0.57	1063
Source Flux	364lm	2	1.14	266
Fixture Flux	364lm	3	1.71	118
Efficacy	24lm/W	4	2.27	66
TS905 Imax=2921cd/klm	Imax 1063cd	5	2.84	43

FL / RED

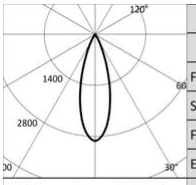
Fixture Power	20W
Nominal flux	345lm
Fixture flux	345lm
Luminous efficacy	17lm/W



-		H(m)	D(m)	Emax(lx)
-			32°	
Fixture Power	20W	1	0.57	1008
Source Flux	345lm	2	1.14	252
Fixture Flux	345lm	3	1.71	112
Efficacy	17lm/W	4	2.27	63
TS905 Imax=2921cd/klm	Imax 1008cd	5	2.84	40

FL / GREEN

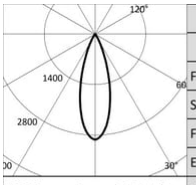
Fixture Power	28W
Nominal flux	592lm
Fixture flux	592lm
Luminous efficacy	21lm/W



-		H(m)	D(m)	Emax(lx)
-			32°	
Fixture Power	28W	1	0.57	1729
Source Flux	592lm	2	1.14	432
Fixture Flux	592lm	3	1.71	192
Efficacy	21lm/W	4	2.27	108
TS905 Imax=2921cd/klm	Imax 1729cd	5	2.84	69

FL / BLUE

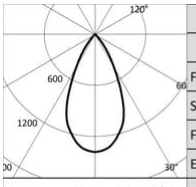
Fixture Power	20W
Nominal flux	115lm
Fixture flux	115lm
Luminous efficacy	6lm/W



-		H(m)	D(m)	Emax(lx)
-			32°	
Fixture Power	20W	1	0.57	336
Source Flux	115lm	2	1.14	84
Fixture Flux	115lm	3	1.71	37
Efficacy	6lm/W	4	2.27	21
TS905 Imax=2921cd/klm	Imax 336cd	5	2.84	13

MWFL / RGBW

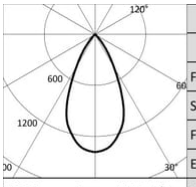
Fixture Power	56W
Nominal flux	1131lm
Fixture flux	1131lm
Luminous efficacy	20lm/W



-		H(m)	D(m)	Emax(lx)
-			51°	
Fixture Power	56W	1	0.95	1561
Source Flux	1131lm	2	1.90	390
Fixture Flux	1131lm	3	2.85	173
Efficacy	20lm/W	4	3.80	98
TS906 Imax=1380cd/klm	Imax 1561cd	5	4.75	62

MWFL / RGB

Fixture Power	58W
Nominal flux	1195lm
Fixture flux	1195lm
Luminous efficacy	21lm/W



-		H(m)	D(m)	Emax(lx)
-			51°	
Fixture Power	58W	1	0.95	1650
Source Flux	1195lm	2	1.90	412
Fixture Flux	1195lm	3	2.85	183
Efficacy	21lm/W	4	3.80	103
TS906 Imax=1380cd/klm	Imax 1650cd	5	4.75	66

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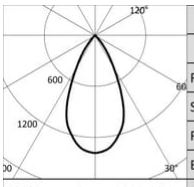
Photometries

MWFL / WHITE

CCT nominal	4000K
Colour rendering index	80
Fixture Power	15W
Nominal flux	443lm
Fixture flux	443lm
Luminous efficacy	30lm/W

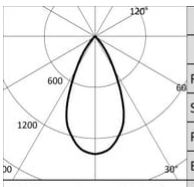


	4000K		H(m)	D(m)	Emax(lx)
	Ra80			51°	
Fixture Power	15W	1		0.95	612
Source Flux	443lm	2		1.90	153
Fixture Flux	443lm	3		2.85	68
Efficacy	30lm/W	4		3.80	38
Imax	612cd	5		4.75	24

TS906 Imax=1380cd/klm

MWFL / RED

Fixture Power	20W
Nominal flux	440lm
Fixture flux	440lm
Luminous efficacy	22lm/W

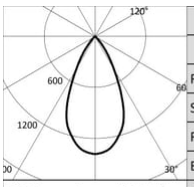


	-		H(m)	D(m)	Emax(lx)
	-			51°	
Fixture Power	20W	1		0.95	607
Source Flux	440lm	2		1.90	152
Fixture Flux	440lm	3		2.85	67
Efficacy	22lm/W	4		3.80	38
Imax	607cd	5		4.75	24

TS906 Imax=1380cd/klm

MWFL / GREEN

Fixture Power	28W
Nominal flux	747lm
Fixture flux	747lm
Luminous efficacy	27lm/W

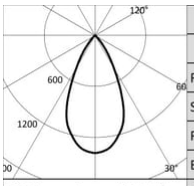


	-		H(m)	D(m)	Emax(lx)
	-			51°	
Fixture Power	28W	1		0.95	1031
Source Flux	747lm	2		1.90	258
Fixture Flux	747lm	3		2.85	115
Efficacy	27lm/W	4		3.80	64
Imax	1031cd	5		4.75	41

TS906 Imax=1380cd/klm

MWFL / BLUE

Fixture Power	20W
Nominal flux	148lm
Fixture flux	148lm
Luminous efficacy	7lm/W

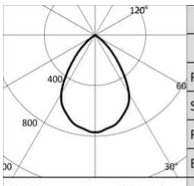


	-		H(m)	D(m)	Emax(lx)
	-			51°	
Fixture Power	20W	1		0.95	204
Source Flux	148lm	2		1.90	51
Fixture Flux	148lm	3		2.85	23
Efficacy	7lm/W	4		3.80	13
Imax	204cd	5		4.75	8

TS906 Imax=1380cd/klm

WFL / RGBW

Fixture Power	56W
Nominal flux	1403lm
Fixture flux	1403lm
Luminous efficacy	25lm/W

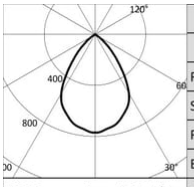


	-		H(m)	D(m)	Emax(lx)
	-			72°	
Fixture Power	56W	1		1.45	1077
Source Flux	1403lm	2		2.90	269
Fixture Flux	1403lm	3		4.35	120
Efficacy	25lm/W	4		5.80	67
Imax	1077cd	5		7.25	43

TS907 Imax=768cd/klm

WFL / RGB

Fixture Power	58W
Nominal flux	1246lm
Fixture flux	1246lm
Luminous efficacy	21lm/W

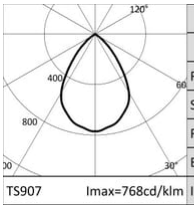


	-		H(m)	D(m)	Emax(lx)
	-			72°	
Fixture Power	58W	1		1.45	956
Source Flux	1246lm	2		2.90	239
Fixture Flux	1246lm	3		4.35	106
Efficacy	21lm/W	4		5.80	60
Imax	956cd	5		7.25	38

TS907 Imax=768cd/klm

WFL / WHITE

CCT nominal	4000K
Colour rendering index	80
Fixture Power	15W
Nominal flux	461lm
Fixture flux	461lm
Luminous efficacy	31lm/W



	4000K		H(m)	D(m)	Emax(lx)
	Ra80			72°	
Fixture Power	15W	1		1.45	354
Source Flux	461lm	2		2.90	88
Fixture Flux	461lm	3		4.35	39
Efficacy	31lm/W	4		5.80	22
Imax	354cd	5		7.25	14

TS907 Imax=768cd/klm

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

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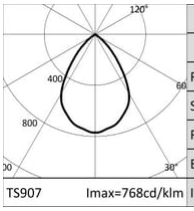
We reserve the right to make technical changes.

Photometries

WFL / RED

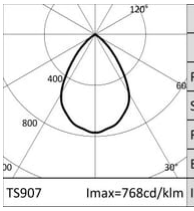
Fixture Power	20W
Nominal flux	469lm
Fixture flux	469lm
Luminous efficacy	23lm/W



-		H(m)	D(m)	Emax(lx)
-			72°	
Fixture Power	20W	1	1.45	360
Source Flux	469lm	2	2.90	90
Fixture Flux	469lm	3	4.35	40
Efficacy	23lm/W	4	5.80	22
TS907 Imax=768cd/klm	Imax 360cd	5	7.25	14

WFL / GREEN

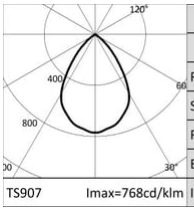
Fixture Power	28W
Nominal flux	786lm
Fixture flux	786lm
Luminous efficacy	28lm/W



-		H(m)	D(m)	Emax(lx)
-			72°	
Fixture Power	28W	1	1.45	603
Source Flux	786lm	2	2.90	151
Fixture Flux	786lm	3	4.35	67
Efficacy	28lm/W	4	5.80	38
TS907 Imax=768cd/klm	Imax 603cd	5	7.25	24

WFL / BLUE

Fixture Power	20W
Nominal flux	153lm
Fixture flux	153lm
Luminous efficacy	8lm/W



-		H(m)	D(m)	Emax(lx)
-			72°	
Fixture Power	20W	1	1.45	117
Source Flux	153lm	2	2.90	29
Fixture Flux	153lm	3	4.35	13
Efficacy	8lm/W	4	5.80	7
TS907 Imax=768cd/klm	Imax 117cd	5	7.25	5

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

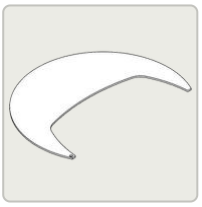
Flat striped glass blade light refractive filter.
This makes the beam take on an oval shape and when combined with spotlights, the light blade appears more prominent.

Grid

CODE	Ø
1T1699	101mm

Anti-glare louver.
Black painted metal honeycomb structure.

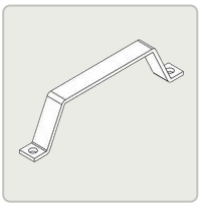
Shutter



CODE	COLOUR
1E2402	●

Half-moon shutter.

Tool



CODE
1E2496

Metal handle for fixture removal

CODE
1E2495

Features TORX HEAD, TX 30.

Accessories

Tool

CODE

1E0388

Sucker tool to raise the glass.

Connector

CODE

1E3184

IP68 4-way cable connector (5 pole).

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.

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 indipendent 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.

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Accessories

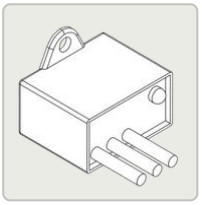
Control systems

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

TARGETTI

CCIAA Firenze
Share Capital: € 500.000,00
VAT N. (IT): 01537660480
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