

IN-GROUND LUMINAIRES

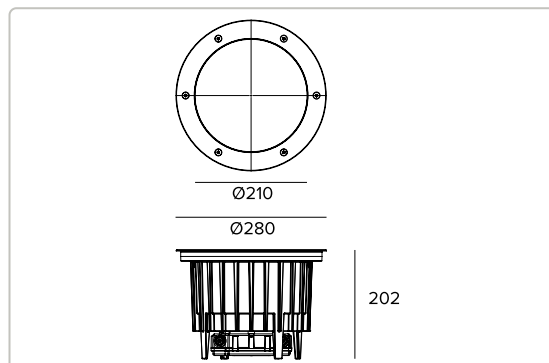
Keplero 280 Zoom RGBW

Code

E013ZMHRGWMXCSS

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

Targetti Sankey S.r.l.
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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	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 (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	5.7Kg
Version	Extra-clear 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.

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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 / RGBW

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



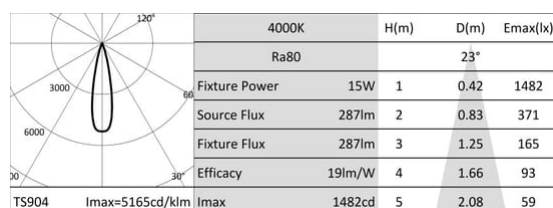
SP / RGB

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



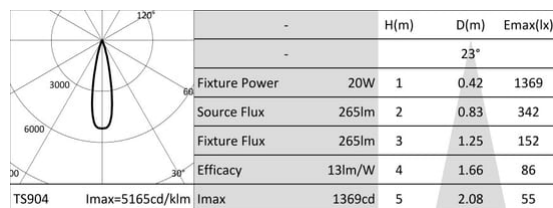
SP / WHITE

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



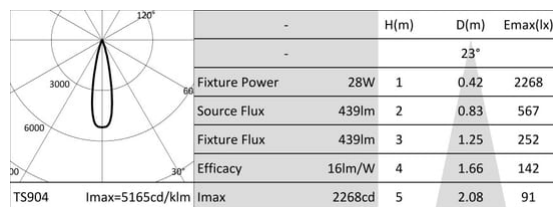
SP / RED

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



SP / GREEN

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



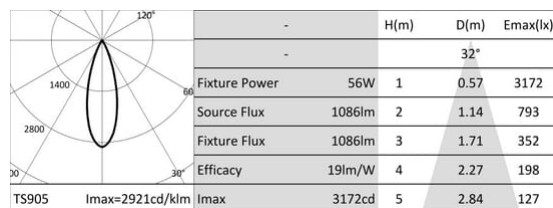
SP / BLUE

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



FL / RGBW

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



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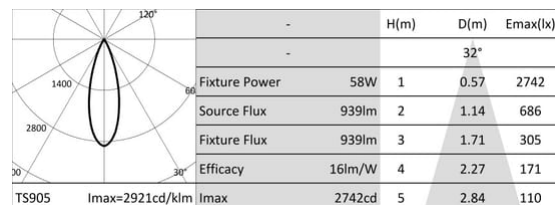
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Photometries

FL / RGB

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



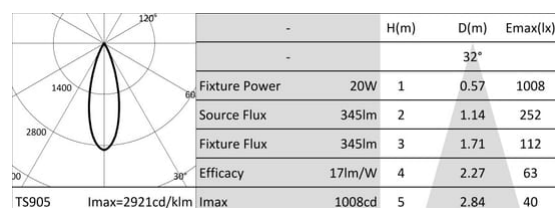
FL / WHITE

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



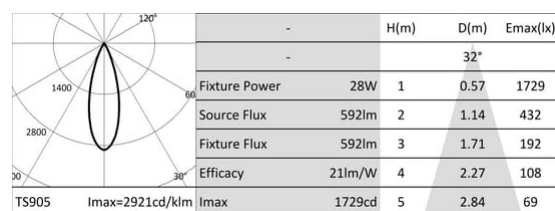
FL / RED

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



FL / GREEN

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



FL / BLUE

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



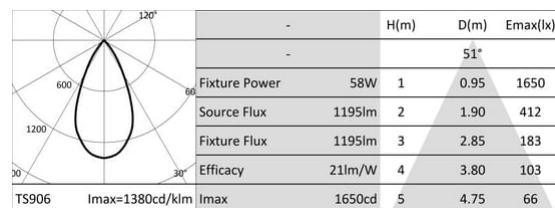
MWFL / RGBW

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



MWFL / RGB

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



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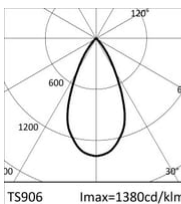
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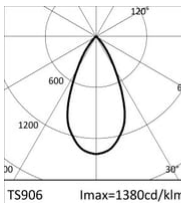
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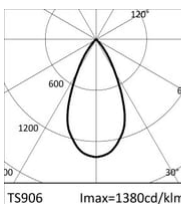
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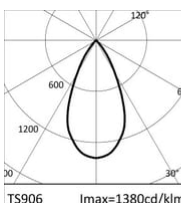
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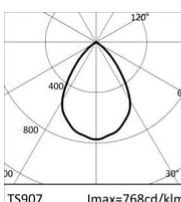
Photometries

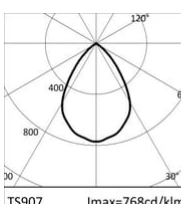
MWFL / WHITE	CCT nominal	4000K		4000K	H(m)	D(m)	Emax(lx)			
	Colour rendering index	80		Ra80		51°				
	Fixture Power	15W		Fixture Power	15W	1	0.95	612		
	Nominal flux	443lm		Source Flux	443lm	2	1.90	153		
	Fixture flux	443lm		Fixture Flux	443lm	3	2.85	68		
	Luminous efficacy	30lm/W		Efficacy	30lm/W	4	3.80	38		
				TS906	Imax=1380cd/klm	Imax	612cd	5	4.75	24

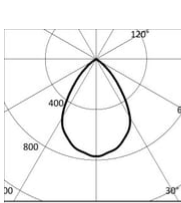
MWFL / RED	Fixture Power	20W		-	H(m)	D(m)	Emax(lx)			
	Nominal flux	440lm		-		51°				
	Fixture flux	440lm		Fixture Power	20W	1	0.95	607		
	Luminous efficacy	22lm/W		Source Flux	440lm	2	1.90	152		
				Fixture Flux	440lm	3	2.85	67		
				Efficacy	22lm/W	4	3.80	38		
				TS906	Imax=1380cd/klm	Imax	607cd	5	4.75	24

MWFL / GREEN	Fixture Power	28W		-	H(m)	D(m)	Emax(lx)			
	Nominal flux	747lm		-		51°				
	Fixture flux	747lm		Fixture Power	28W	1	0.95	1031		
	Luminous efficacy	27lm/W		Source Flux	747lm	2	1.90	258		
				Fixture Flux	747lm	3	2.85	115		
				Efficacy	27lm/W	4	3.80	64		
				TS906	Imax=1380cd/klm	Imax	1031cd	5	4.75	41

MWFL / BLUE	Fixture Power	20W		-	H(m)	D(m)	Emax(lx)			
	Nominal flux	148lm		-		51°				
	Fixture flux	148lm		Fixture Power	20W	1	0.95	204		
	Luminous efficacy	7lm/W		Source Flux	148lm	2	1.90	51		
				Fixture Flux	148lm	3	2.85	23		
				Efficacy	7lm/W	4	3.80	13		
				TS906	Imax=1380cd/klm	Imax	204cd	5	4.75	8

WFL / RGBW	Fixture Power	56W		-	H(m)	D(m)	Emax(lx)			
	Nominal flux	1403lm		-		72°				
	Fixture flux	1403lm		Fixture Power	56W	1	1.45	1077		
	Luminous efficacy	25lm/W		Source Flux	1403lm	2	2.90	269		
				Fixture Flux	1403lm	3	4.35	120		
				Efficacy	25lm/W	4	5.80	67		
				TS907	Imax=768cd/klm	Imax	1077cd	5	7.25	43

WFL / RGB	Fixture Power	58W		-	H(m)	D(m)	Emax(lx)			
	Nominal flux	1246lm		-		72°				
	Fixture flux	1246lm		Fixture Power	58W	1	1.45	956		
	Luminous efficacy	21lm/W		Source Flux	1246lm	2	2.90	239		
				Fixture Flux	1246lm	3	4.35	106		
				Efficacy	21lm/W	4	5.80	60		
				TS907	Imax=768cd/klm	Imax	956cd	5	7.25	38

WFL / WHITE	CCT nominal	4000K		4000K	H(m)	D(m)	Emax(lx)			
	Colour rendering index	80		Ra80		72°				
	Fixture Power	15W		Fixture Power	15W	1	1.45	354		
	Nominal flux	461lm		Source Flux	461lm	2	2.90	88		
	Fixture flux	461lm		Fixture Flux	461lm	3	4.35	39		
	Luminous efficacy	31lm/W		Efficacy	31lm/W	4	5.80	22		
				TS907	Imax=768cd/klm	Imax	354cd	5	7.25	14

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Photometries

WFL / RED

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



WFL / GREEN

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



WFL / BLUE

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



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

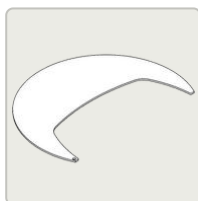
1T1699

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

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 independent 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.

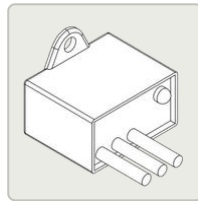
It can manage 10 different lighting zones and 50 scenarios per zone.

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

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