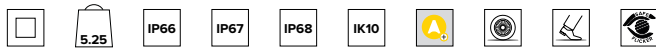
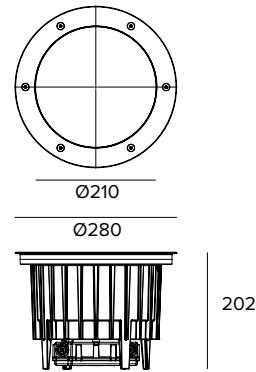


## E013ZMH830DAASS | KEPLERO 280 Zoom

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



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



The figures on the drawing are expressed in mm.

#### 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):** >50000h tq +25°C

#### 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 rotation 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:** 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 anti-slip protective glass for public pedestrian areas. Anti theft stainless steel A4 Torx screws.

**Colour and finish:** Brushed stainless steel

**Weight:** 5.25Kg

**Version:** ANTI-SLIP 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 (max2x2.5mm<sup>2</sup>) cable. Fixture with a pass-through line. Casambi control system available using a dedicated accessory (only for DALI version products).

**Fixture Power:** 35W

**Power supply:** 220-240Vac 50/60Hz

**Insulation Class:** CLASS 2

**Type of driver / Control:** DALI

**Driver included:** YES

**Class F:** 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.

#### WARNING

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

*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.*

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**TARGETTI**

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		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

		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

#### SP

Fixture flux	1801lm
Luminous efficacy	52lm/W
Optical efficiency	37%

#### FL

Fixture flux	2384lm
Luminous efficacy	68lm/W
Optical efficiency	48%

		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

		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

#### MWFL

Fixture flux	2978lm
Luminous efficacy	85lm/W
Optical efficiency	61%

#### WFL

Fixture flux	3124lm
Luminous efficacy	90lm/W
Optical efficiency	64%

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# TARGETTI

## E013ZMH830DAASS | KEPLERO 280 Zoom

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

#### 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



Ø mm

Code

101

**1T1696**

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



Ø mm

Code

101

**1T1699**

Anti-glare louver.  
Black painted metal honeycomb structure.

##### Shutter



Colour

Code

●

**1E2402**

Half-moon shutter.

##### Tool



Code

**1E2496**

Metal handle for fixture removal



Code

**1E2495**

Features TORX HEAD, TX 30.

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# TARGETTI

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#### Tool



Code

**1E0388**

Sucker tool to raise the glass.

#### Connector



Code

**1E2769**

Linear connection box IP66/IP68.  
5 poles max. wire section 1.5mm<sup>2</sup>.  
Cable diameter range from 7 to 12mm.

#### Control systems



Code

**1E3048**

IP67 wireless control unit with DALI interface.  
It generates a local DALI2 bus, enabling 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, meaning 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



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

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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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