



## DESCRIPTIF

<b>Product name</b>	KERIS 2	KERIS 3
<b>Housing</b>	Housing in injected die-cast aluminium	
<b>Bowl</b>	Bowl made in printed thermally toughened glass	
<b>Mechanical impact protection code</b>	IK 09	
<b>Ingress Protection</b>	IP 66 in accordance with the standard EN 60 529 Pneumatic silicone gasket Cable gland with anchoring device (two per floodlight) Breathing system with activated carbon filter	
<b>Mounting</b>	Painted mounting bracket in option: Top mounted or suspended. Tilt angle: 0° to 90° top mounted and 0° to 20° suspended	
<b>Dimensions</b>	489 x 449 x 85 mm	659 x 545 x 78 mm
<b>Weight</b>	11 kg	16 kg
<b>Windage area</b>	0,04 m <sup>2</sup>	0,07 m <sup>2</sup>
<b>Electrical class</b>	I or II	

## MAINTENANCE

<b>Maintenance</b>	Direct access to the power supply and BLS strips after removing the bowl held by 8 screws (safety cord) Removable tray	Direct access to the power supplies after removing the lower cover held by four captive screws. Removable tray. Direct access to BLS strips after removing the bowl held by 8 screws.
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## SOURCES LED

<b>Sources</b>	BLS Strips (48 to 144 LED)
<b>Colour temperature (K)</b>	2200 K, 2400 K, 2700 K, 3000 K, 4000 K (others upon request)
<b>CRI</b>	> 70 (others upon request)
<b>Luminaire SDCM</b>	<4
<b>LED lifetime</b>	L90 > 100 000 h
<b>Optics and light distribution options</b>	2 x symmetrical lenses (ECa, ECb) 7 x asymmetrical lenses (ERE, ERS, ERL, LRS, LRL, LRM, ETS) 3 x floodlight lenses (PFA, PSa, PAa) 2 x crossing lenses (EPG, EPD) 2 types of backlight shield (option)
<b>Photobiology</b>	RG1 (3000 K)

## MAXIMUM PERFORMANCES (see annex for all LED modules options)

	KERIS 2 - 6BLS12 (72 LED)			KERIS 3 - 12BLS12 (144 LED)		
	Flux <sup>(A)</sup> at 700mA (lm)	Power <sup>(B)</sup> (W)	Efficiency (lm/W)	Flux <sup>(A)</sup> at 700mA (lm)	Power <sup>(B)</sup> (W)	Efficiency (lm/W)
4000 K	23899	210	114	62476	410	152
3000 K	23175	210	110	60583	410	148
2700 K	21002	210	100	54903	410	134
2400 K	19192	210	91	50170	410	122
2200 K	18830	210	90	49224	410	120

(A) Output flux from the luminaire at commissioning (including thermal and optical yields compared to the Flux from sources) for given optics, maximal current and ambient temperature 25°C, as per IEC 62717 and IEC 62722 standards  
(B) Total power absorbed by the luminaire including all electrical equipment, as per IEC 62717 and IEC 62722 standards.

## DRIVER

<b>Power</b>	230 V / 240 V - 50 Hz / 60 Hz / pSurge protection 10Kv
<b>Brand</b>	Philips Xitanium Full Prog or OSRAM 4 DIM
<b>Power factor</b>	90% minimum
<b>Total harmonic distortion</b>	15% max
<b>Current</b>	Dimmable current up to 1000 mA
<b>Lifetime</b>	10% failure at 100 000 hours
<b>Control</b>	DALI or 1-10V

## SMARTLIGHTING (OPTIONS)

<b>Smart-ready®</b>	Pre-configuration, to connect communicating systems with Sensor Ready drivers, to a base in compliance with ZHAGA Book 18.
<b>Standalone solutions</b>	Dimming calculator from 2 to 5 slots (Dimming 5, POLEDRIE or POLEDRIE Bluetooth) Moving sensor (Motion P) Moving sensor combined with dimming calculator (Motion P) Constant Light Output (CLO) Adjustable driver (POLEDRIE)
<b>Local Network</b>	Luminaires group: detection through ZIGBEE 3.0 communication protocol (Motion COM) or pilot wires.
<b>Telemangement</b>	WIZARD - ECLATEC

## STANDARDS / MARKING / CERTIFICATIONS

<b>Compliance</b>	<b>CE marking requirements:</b> - Directive 2014/35/EU, Low voltage Directive - Directive 2014/130/EU Electromagnetic Compatibility - Directive 2011/65/EU Restriction of Hazardous substances (RoHS) - Directive 2009/125/EC Ecodesign requirements
<b>NF EN 13201</b>	In accordance with the lighting calculations issued.
<b>REACH</b>	Products conformity regulatory management of chemicals
<b>WEEE</b>	(Waste Electrical and Electronic Equipment) Manufacturer involvement

## WARRANTY

<b>Mechanical parts</b>	According to our general sales conditions
<b>Electrical parts</b>	According to our general sales conditions
<b>Painting</b>	According to our general sales conditions

*LED Luminaires*

Modern Streetfurniture

Waste bins

**Bollards Light**

**tree grill**

Bollards

Classic poles cast iron

Steel poles

MODERN POLES CAST IRON

Defence bollards

Drinking water fountain

**SEATING**

TRAMWAY POLES

Modern LED luminaires

Classic luminaires

Classic street furniture

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