

# KREOS SR/100 ZHAGA

Part number 3112311



## Description

LED street luminaire, comprising:

- Die-cast aluminium housing and cover, polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- Coated die-cast aluminium pole-top adaptor for pole  $\varnothing$  60 / 76 mm
- High-performance polished, oxidised, PVD 99.99% silver treated, pure aluminium reflectors. This treatment creates an iridescence-free surface with a greater than 97% reflectance
- StReet optic options: SR/075 usually for narrow roads ( $0.5 \geq L/H \geq 0.75$ ), SR/100 for two-lane roads ( $L/H = 1$ ), SR/125 for wide streets and ( $L/H = 1.25$ ), SR/150 for wide roads/parking lots ( $L/H = 1.5$ ) schemes. L/H ratio (L-road width/H-pole height)
- UNI 10819 light pollution standards compliant (0% ULOR rating)
- Anti-ageing custom moulded silicone sealing gasket(s) with resilient elastic return capacity
- Extra clear, toughened, flat glass diffuser
- The integral switch splitter automatically disconnects the driver from mains when opened
- Die-cast aluminium retaining clip with stainless steel spring allows quick and tool-free access to the luminaire for extraordinary maintenance
- Removable galvanized sheet metal gear tray
- Built-in driver
- Integral surge protection device (SPD) against mains overvoltages up to 10 kV (CM/DM)
- Complete with 1 m H07RN-F 2x1.5 mm<sup>2</sup> or H07RN-F 4x1.5 mm<sup>2</sup> (dimmable options) cable, for mains connection without opening the luminaire
- Stainless steel locking hardware
- Complete with NEMA socket connected to DALI driver and waterproof short-circuit cap for On/Off operation mode and SMART-compatible mounting solutions (NEMA options)
- Complete with ZHAGA socket positioned on the upper part of the luminaire (UP position) and D4i driver. Ready for "radio frequency node" smart, twilight and other compatible solutions (ZHAGA options). Consult factory for more options
- Upon request, luminaires can be provided with ZHAGA socket positioned in the lower part of the luminaire (DOWN position) or mixed (UP position + DOWN position) to be able to connect presence and/or motion detectors or combined solutions
- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory
- DALI-2 (IEC 62386) dimmable ballast available. Consult factory
- CLO (Constant Light Output) options available. Consult factory

To maintain the regular updating of our products, PERFORMANCE iN LIGHTING reserves the right to make changes without prior notice. For the most up to date information we always recommend you read the latest version published on the website [www.performanceinlighting.com](http://www.performanceinlighting.com). Delivered luminaire lumen outputs and power consumptions, including losses, are subject to a tolerance of +/- 7%, and unless otherwise stated the values apply to an ambient temperature of 25°C. Terms of warranty are available at [www.performanceinlighting.com/qtr/qtrcompany/terms-and-conditions](http://www.performanceinlighting.com/qtr/qtrcompany/terms-and-conditions)

date: 26/4/2023

- Photometric data measure according to UNI EN 13032-4 and IES LM-79-08

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## Product data

ETIM Group:	EG000027	ETIM Class:	EC000062
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## General information

Lampholder:	LED	Light source:	LED
Lightsource lumen output [lm]:	7375	Luminaire lumen output [lm]:	6040
Luminaire wattage [W]:	44 W	Luminous efficacy [lm/W]:	137
CRI:	70	Kelvin:	3000
Colour / Finish:	AN-g6 / Anthracite gray / Textured	IP degree of protection:	IP66
IK-J-xxIP:	IK08 gJ xx5	Insulation class:	II
Optic:	STREET	Net weight [kg]:	6.677
Overall length [mm]:	300	Overall width [mm]:	536
Overall height [mm]:	241		

## Mechanical features

Shape:	RECTANGULAR	Housing material:	ALUMINIUM
Diffuser material:	GLASS	Glow wire test [°C]:	960 °C
Frontal exposed area [m <sup>2</sup> ]:	0.02	Lateral exposed area [m <sup>2</sup> ]:	0.05
Top exposed area [m <sup>2</sup> ]:	0.15		

## Electrical features

Voltage type:	AC/DC	Input voltage [V AC]:	220/240
Input frequency [Hz]:	0/50/60	Power factor / COS Φ:	>0.95
Input voltage [V DC]:	176/280	Surge protection   Common [kV]:	10.0
Surge protection   Differential [kV]:	10.0	Inrush current [A/μs]:	28 / 270
C10 1.5 mm <sup>2</sup> :	16	C16 2.5 mm <sup>2</sup> :	26
B10 1.5 mm <sup>2</sup> :	10	B16 2.5 mm <sup>2</sup> :	16

## Installation

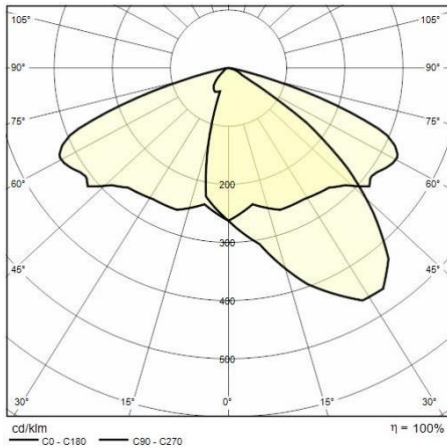
Application area:	Outdoor	Mounting type:	Street lighting
Min. ambient temperature [°C]:	-40	Max. ambient temperature [°C]:	40

## Light features

MacAdam:	5	Lumen maintenance:	L90B10@100000h
Distribution of light emission:	Direct	Luminous Intensity Class:	G <sup>3</sup>
Zero light pollution (ULR = 0%):		IPEA* (road lighting):	A7+
IPEA* (large areas, roundabouts):	A8+	IPEA* (cycle-pedestrian):	A7+
IPEA* (green areas):	A7+	IPEA* (historic city centers):	A11+

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## Photometric data



## Optional accessories

### KREOS



**3106386**

Reducer pole Ø 42÷46 mm

■ AN-g6 / Anthracite gray



**14077796**

Hot-dipped galvanized wall angled steel bracket, cataphoresis and polyester powder

■ AN-g6 / Anthracite gray