

# KREOS SR/100

Part number 3106179



## 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
- 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> (dimnable options) cable, for mains connection without opening the luminaire
- Stainless steel locking hardware
- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory

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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]:	12125	Luminaire lumen output [lm]:	9410
Luminaire wattage [W]:	82 W	Luminous efficacy [lm/W]:	115
CRI:	70	Colour temperature [K]:	3000
Colour / Finishing:	AN-g6 / Anthracite gray / Textured	IP degree of protection:	IP66
Impact resistance / impact energy:	IK08 gJ xx5	Protection class:	II
Optic:	SR/100 - Street	Net weight [kg]:	6.268
Overall length [mm]:	300	Overall width [mm]:	536
Overall height [mm]:	229		

## 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	Input voltage [V AC]:	220/240
Input frequency [Hz]:	50/60	Power factor / COS Φ:	>0.9
Surge protection   Common [kV]:	10.000000	Surge protection   Differential [kV]:	10.000000
Inrush current [A/μs]:	43 / 270	C10 1.5 mm <sup>2</sup> :	10
C16 2.5 mm <sup>2</sup> :	17	B10 1.5 mm <sup>2</sup> :	6
B16 2.5 mm <sup>2</sup> :	10		

## Installation

Application area:	Outdoor lighting	Mounting type:	Streetlight
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*3
Zero light pollution (ULR = 0%):		IPEA* (road lighting):	A4+
IPEA* (large areas, roundabouts):	A5+	IPEA* (cycle-pedestrian):	A3+
IPEA* (green areas):	A3+	IPEA* (historic city centers):	A8+

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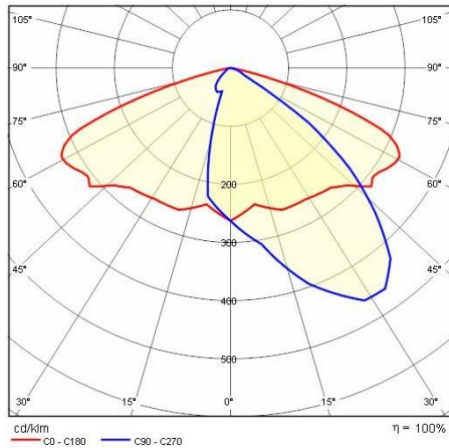
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For information:  
**PERFORMANCE IN LIGHTING S.p.A. Headquarters - Italy**  
Viale del Lavoro 9/11  
37030 Colognola ai Colli Verona - Italy  
Tel. +39 045 61 59 211

[info.it@pil.lighting](mailto:info.it@pil.lighting)  
[www.performanceinlighting.com](http://www.performanceinlighting.com)

## 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

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