

# KREOS SR/100

Part number 3106177



## 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

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 <https://www.performanceinlighting.com/gr/company/led-warranty>

## Product data

ETIM Group:	EG000027	ETIM Class:	EC000062
-------------	----------	-------------	----------

## General information

Lampholder:	LED	Light source:	LED
Lightsource lumen output [lm]:	8625	Luminaire lumen output [lm]:	6968
Luminaire wattage [W]:	53 W	Luminous efficacy [lm/W]:	131
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]:	54 / 250	C10 1.5 mm <sup>2</sup> :	12
C16 2.5 mm <sup>2</sup> :	20	B10 1.5 mm <sup>2</sup> :	7
B16 2.5 mm <sup>2</sup> :	12		

## 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):	A7+
IPEA* (large areas, roundabouts):	A7+	IPEA* (cycle-pedestrian):	A6+
IPEA* (green areas):	A6+	IPEA* (historic city centers):	A10+

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 <https://www.performanceinlighting.com/qr/company/led-warranty>

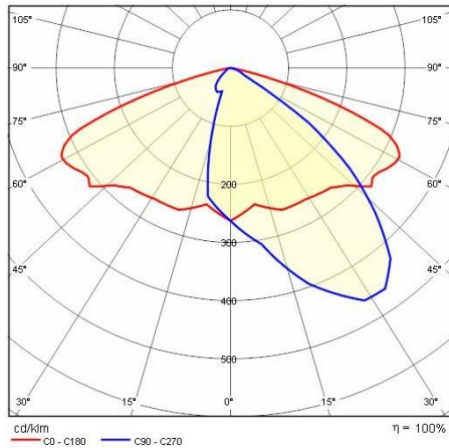
---

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 <https://www.performanceinlighting.com/qr/company/led-warranty>

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

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 <https://www.performanceinlighting.com/qr/company/led-warranty>