

# KREOS SR/100 NEMA

Part number 3106159



## 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
- 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)
- 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]:	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]:	6.451
Overall length [mm]:	300	Overall width [mm]:	536
Overall height [mm]:	268		

## 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:	>0.9
Input voltage [V DC]:	176/264	Surge protection   Common [kV]:	6.000000
Surge protection   Differential [kV]:	10.000000	Inrush current [A/μs]:	42 / 238
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):	A7+
IPEA* (large areas, roundabouts):	A7+	IPEA* (cycle-pedestrian):	A6+
IPEA* (green areas):	A6+	IPEA* (historic city centers):	A10+

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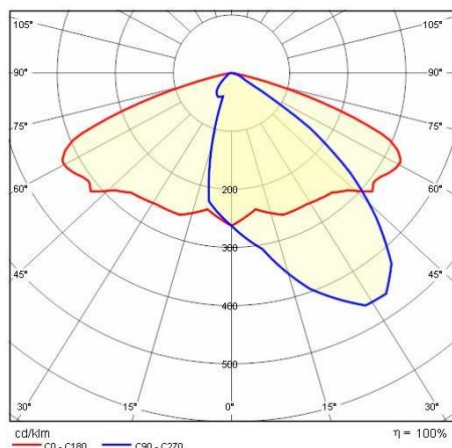
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## Photometric data



## 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

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