

# KREOS SR/125

Part number 3106249



## 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 |
|-------------|----------|-------------|----------|

## General information

|                                    |                                    |                              |       |
|------------------------------------|------------------------------------|------------------------------|-------|
| Lampholder:                        | LED                                | Light source:                | LED   |
| Lightsource lumen output [lm]:     | 3750                               | Luminaire lumen output [lm]: | 3000  |
| Luminaire wattage [W]:             | 24 W                               | Luminous efficacy [lm/W]:    | 125   |
| 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/125 - Street                    | Net weight [kg]:             | 6.035 |
| 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]: | 6.000000 | Surge protection   Differential [kV]: | 10.000000 |
| Inrush current [A/μs]:          | 40 / 300 | C10 1.5 mm <sup>2</sup> :             | 16        |
| C16 2.5 mm <sup>2</sup> :       | 26       | B10 1.5 mm <sup>2</sup> :             | 8         |
| B16 2.5 mm <sup>2</sup> :       | 14       |                                       |           |

## Installation

|                                |                  |                                |             |
|--------------------------------|------------------|--------------------------------|-------------|
| Application area:              | Outdoor lighting | Mounting type:                 | Streetlight |
| Min. ambient temperature [°C]: | -40              | Max. ambient temperature [°C]: | 50          |

## 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):         | A6+            |
| IPEA* (large areas, roundabouts): | A6+    | IPEA* (cycle-pedestrian):      | A5+            |
| IPEA* (green areas):              | A5+    | IPEA* (historic city centers): | A9+            |

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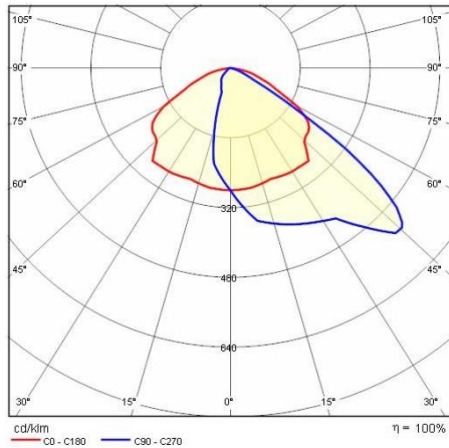
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## Photometric data



## 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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