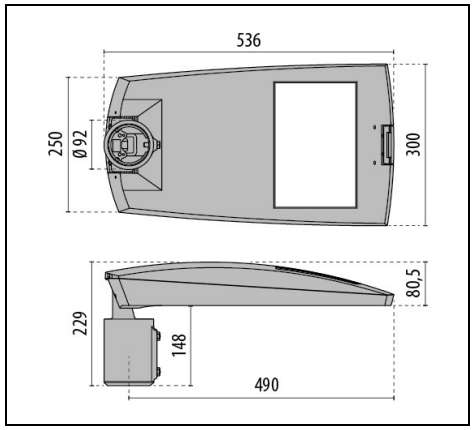
KREOS SR/100

Part number 3106162



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 Ø 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 ≥ L/H ≥ 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^2 or H07RN-F 4x1.5 mm^2 (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)
- 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

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Product data

ETIM Group:	EG000027	**ETIM Class:**	EC000062

General information

Lampholder:	LED	**Light source:**	LED
Lightsource lumen output [lm]:	1875	**Luminaire lumen output [lm]:**	1503
Luminaire wattage [W]:	12 W	**Luminous efficacy [lm/W]:**	125
CRI:	70	**Colour temperature [K]:**	3000
Colour / Finishing:	AN-96 / Anthracite gray / Textured	**IP degree of protection:**	IP66
Impact resistance / impact energy:	IK08 9J xx5	**Protection class:**	II
Optic:	SR/100 - Street	**Net weight [kg]:**	6.057
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 [m²]:	0.02	**Lateral exposed area [m²]:**	0.05
Top exposed area [m²]:	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]:	176/276	**Surge protection | Common [kV]:**	6.000000
Surge protection | Differential [kV]:	10.000000	**Inrush current [A/µs]:**	25 / 236
C10 1.5 mm²:	20	**C16 2.5 mm²:**	33
B10 1.5 mm²:	12	**B16 2.5 mm²:**	20

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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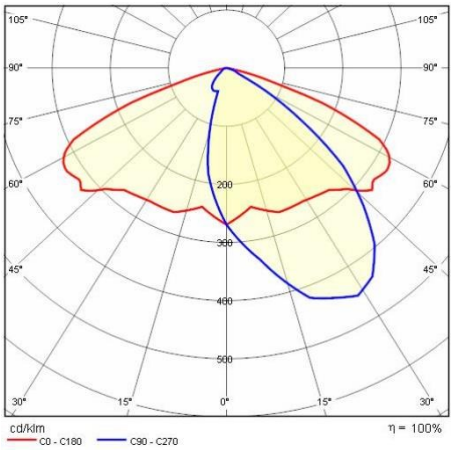
Photometric data



Optional accessories

KREOS

3106386

Reducer pole Ø 42÷46 mm

AN-96 / Anthracite gray

14077796

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

AN-96 / Anthracite gray

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