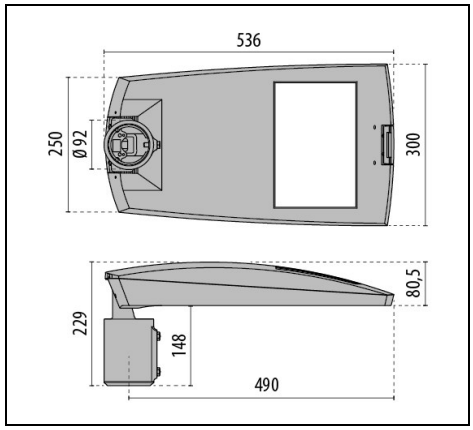
KREOS SR/100

Part number 3106109



IP 66 | CLASS II | ≤-40°C | FULL CUT OFF | ULR<1 | CIEn°3>95 | DALI | SPD 10kV | CE | EAC | UKCA

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

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. 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 25ºC. 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
www.performanceinlighting.com

Product data

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

General information

Lampholder:	LED	**Light source:**	LED
Lightsource lumen output [lm]:	7729	**Luminaire lumen output [lm]:**	6330
Luminaire wattage [W]:	44 W	**Luminous efficacy [lm/W]:**	144
CRI:	70	**Colour temperature [K]:**	4000
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]:**	6.286
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]:	176/264	**Surge protection | Common [kV]:**	6.000000
Surge protection | Differential [kV]:	10.000000	**Inrush current [A/µs]:**	42 / 238
C10 1.5 mm²:	10	**C16 2.5 mm²:**	17
B10 1.5 mm²:	6	**B16 2.5 mm²:**	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):**	A8+
IPEA* (large areas, roundabouts):	A9+	**IPEA* (cycle-pedestrian):**	A8+
IPEA* (green areas):	A8+	**IPEA* (historic city centers):**	A12+

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. 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 25ºC. 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

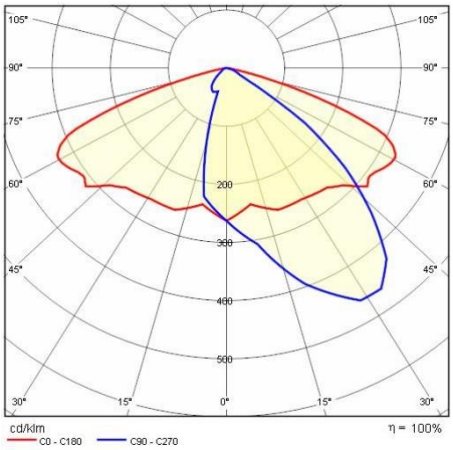
info.it@pil.lighting
www.performanceinlighting.com

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. 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 25ºC. 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
www.performanceinlighting.com

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

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. 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 25ºC. 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
www.performanceinlighting.com