

KYRO+2 SR/100

Part number 306652



Description

Series of LED street lighting luminaires, comprising:

- Die-cast aluminium housing and cover, polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- Polyester powder coat finish die-cast aluminium pole clamp
- Extra clear, toughened, flat glass diffuser
- High-transparency polycarbonate optics
- StReet optic options: SR/075 usually for narrow roads ($0.5 \geq L/H \geq 0.75$), 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)
- Aluminium heat sink
- Anti-ageing custom moulded silicone sealing gasket(s) with resilient elastic return capacity
- The integral switch splitter automatically disconnects the driver from mains when opened
- Anti-tear cable gland M25x1.5 for cables $\varnothing 9$ - $\varnothing 14$ mm
- Built-in driver
- Stainless steel locking hardware
- Fibreglass technopolymer components plate holder
- Toolless removable and upgradable gear tray
- Fully integrated stainless steel aluminium spring clips
- Suitable for pole installations $\varnothing 42$ - $\varnothing 60/62$ mm (KYRO+ 1 models), $\varnothing 76$ mm (KYRO+ 1-D76), and $\varnothing 60/62$ - $\varnothing 76$ mm (KYRO+ 2)
- Integral surge protection device (SPD) against mains overvoltages up to 10 kV (CM/DM)
- The Secure Light Distribution (SLD) system guarantees uniform light distribution even in the remote case of LED failures
- UNI 10819 light pollution standards compliant (0% ULOR rating)
- Provided complete with 1 m cable H07RN-F $2 \times 1.5 \text{ mm}^2$ and IP66-rated plug-socket, produced in polyamide with silver-plated brass contacts, for cables $\varnothing 9$ - $\varnothing 14$ mm, for mains connection without opening the luminaire
- Automatic power reduction (RPA) options available. Consult factory
- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory
- CLO (Constant Light Output) options available. Consult factory
- Design by SILVIA PAOLA PENNACCHIO

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 25°C. Terms of warranty are available at <https://www.performanceinlighting.com/qr/company/led-warranty>

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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]:	16294	Luminaire lumen output [lm]:	14801
Luminaire wattage [W]:	103 W	Luminous efficacy [lm/W]:	144
CRI:	70	Colour temperature [K]:	4000
Colour / Finishing:	AN-g6 / Anthracite gray / Textured	IP degree of protection:	IP66
Impact resistance / impact energy:	IK08 7J xx5	Protection class:	II
Optic:	SR/100 - Street	Net weight [kg]:	12.167
Overall length [mm]:	330	Overall width [mm]:	835
Overall height [mm]:	155		

Mechanical features

Shape:	Rectangular	Housing material:	Aluminium
Diffuser material:	Glass	Glow wire test [°C]:	650 °C
Lateral exposed area [m ²]:	0.1	Top exposed area [m ²]:	0.25

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]:	168/275	Surge protection Common [kV]:	10.000000
Surge protection Differential [kV]:	10.000000	Inrush current [A/μs]:	53 / 300
C10 1.5 mm ² :	8	C16 2.5 mm ² :	13
B10 1.5 mm ² :	5	B16 2.5 mm ² :	8

Installation

Application area:	Outdoor lighting	Mounting type:	Streetlight
Min. ambient temperature [°C]:	-40	Max. ambient temperature [°C]:	40
Min. distance from lighted object [m]:	0.50		

Light features

MacAdam:	3	Lumen maintenance:	L90B10@100000h
Distribution of light emission:	Direct	Luminous Intensity Class:	G4
Zero light pollution (ULR = 0%):		IPEA* (road lighting):	A6+
IPEA* (large areas, roundabouts):	A9+	IPEA* (cycle-pedestrian):	A5+
IPEA* (green areas):	A5+	IPEA* (historic city centers):	A11+

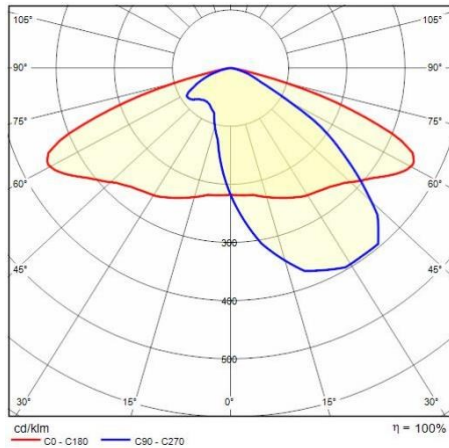
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Photometric data



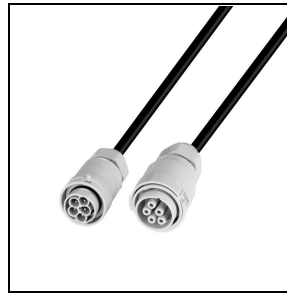
Optional accessories

KYRO+



14077820

Kit of 10 rubber sealing gaskets for up to 2 no. Ø 8 mm cables



3102823

1 m cable H07RN-F 4x1.5 + connector



14077102

Single 1200 mm extension arms, hot dipped galvanised steel, suitable for installation on Ø 60 mm pole top



14081902

Hot dipped galvanised steel brackets suitable for installing single fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and nuts, requires poles to be drilled



14084202

Hot dipped galvanised steel brackets suitable for installing single or twin fittings (back to Back) on Ø80-120mm poles. Complete with fixing rods and nuts, requires poles to be drilled

KYRO+ SOLUTION / KYRO+2

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14077696

Wall mounting bracket 370 mm
(KYRO+2), in phospho-chromate and
cataphoresispre-treated steel finished
polyester painted

■ AN-g6 / Anthracite gray