

# KYRO+1-D76 SR/150

Part number 3105327



## 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  $2 \times 1.5$  mm<sup>2</sup> 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](http://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 |
|-------------|----------|-------------|----------|

## General information

|                                    |                                    |                              |       |
|------------------------------------|------------------------------------|------------------------------|-------|
| Lampholder:                        | LED                                | Light source:                | LED   |
| Lightsource lumen output [lm]:     | 5291                               | Luminaire lumen output [lm]: | 4770  |
| Luminaire wattage [W]:             | 36 W                               | Luminous efficacy [lm/W]:    | 133   |
| CRI:                               | 70                                 | Colour temperature [K]:      | 3000  |
| Colour / Finishing:                | AN-g6 / Anthracite gray / Textured | IP degree of protection:     | IP66  |
| Impact resistance / impact energy: | IK09 10J xx9                       | Protection class:            | II    |
| Optic:                             | SR/150 - Street                    | Net weight [kg]:             | 7.612 |
| Overall length [mm]:               | 275                                | Overall width [mm]:          | 690   |
| Overall height [mm]:               | 131                                |                              |       |

## Mechanical features

|                            |             |                        |           |
|----------------------------|-------------|------------------------|-----------|
| Shape:                     | Rectangular | Housing material:      | Aluminium |
| Diffuser material:         | Glass       | Glow wire test [°C]:   | 850 °C    |
| Lateral exposed area [m²]: | 0.07        | Top exposed area [m²]: | 0.17      |

## 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]: | 8.000000 | Surge protection   Differential [kV]: | 10.000000 |
| Inrush current [A/μs]:          | 22 / 290 | C10 1.5 mm²:                          | 20        |
| C16 2.5 mm²:                    | 34       | 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          |
| Min. distance from lighted object [m]: | 0.50             |                                |             |

## Light features

|                                   |        |                                |                |
|-----------------------------------|--------|--------------------------------|----------------|
| MacAdam:                          | 3      | Lumen maintenance:             | L90B10@100000h |
| Distribution of light emission:   | Direct | Luminous Intensity Class:      | G*4            |
| 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): | A11+           |

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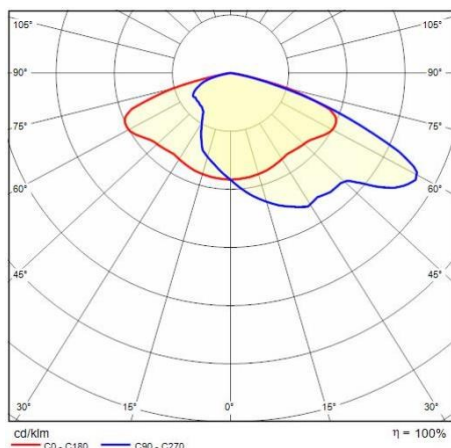
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## Photometric data

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## Optional accessories

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### KYRO+



**3102823**

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

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