

# THEOS GLASS SR/075

Part number 3105160



## Description

Series of LED street lighting luminaires, comprising:

- Die-cast aluminium housing, polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- Coated die-cast aluminium captive trim, hinged to the housing
- Coated die-cast aluminium pole-top adaptor for pole  $\varnothing$  60 / 76 mm
- High-transparency polycarbonate optics
- The Secure Light Distribution (SLD) system guarantees uniform light distribution even in the remote case of LED failures
- 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
- Built-in driver
- Integral surge protection device (SPD) against mains overvoltages up to 10 kV (CM/DM)
- Stainless steel locking hardware
- Complete with 1 m H07RN-F 2x1.5 mm<sup>2</sup> or H07RN-F 4x1.5 mm<sup>2</sup> (dimmable options) cable, for mains connection without opening the luminaire
- 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)
- UNI 10819 light pollution standards compliant (0% ULOR rating)
- Other colour temperatures (CCT) and colour rendering index (CRI) options available. Consult factory
- Third-party controls NEMA 7-pin socket options available. Consult factory
- CLO (Constant Light Output) options available. Consult factory
- Design by SILVIA PAOLA PENNACCHIO
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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/gr/company/led-warranty>

## Product data

|             |          |             |          |
|-------------|----------|-------------|----------|
| ETIM Group: | EG000027 | ETIM Class: | EC000062 |
|-------------|----------|-------------|----------|

## General information

|                                    |                                    |                              |       |
|------------------------------------|------------------------------------|------------------------------|-------|
| Lampholder:                        | LED                                | Light source:                | LED   |
| Lightsource lumen output [lm]:     | 22400                              | Luminaire lumen output [lm]: | 19771 |
| Luminaire wattage [W]:             | 136 W                              | Luminous efficacy [lm/W]:    | 145   |
| 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/075 - Street                    | Net weight [kg]:             | 9.55  |
| Overall length [mm]:               | 696                                | Overall width [mm]:          | 315   |
| Overall height [mm]:               | 193                                |                              |       |

## Mechanical features

|   |             |                                     |           |
|---|-------------|-------------------------------------|-----------|
| Shape:                                  | Rectangular | Housing material:                   | Aluminium |
| Diffuser material:                      | Glass       | Glow wire test [°C]:                | 650 °C    |
| Lateral exposed area [m <sup>2</sup> ]: | 0.06        | Top exposed area [m <sup>2</sup> ]: | 0.17      |

## 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 <sup>2</sup> :             | 8         | C16 2.5 mm <sup>2</sup> :       | 13        |
| B10 1.5 mm <sup>2</sup> :             | 5         | B16 2.5 mm <sup>2</sup> :       | 8         |

## 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):         | A4+            |
| IPEA* (large areas, roundabouts): | A7+    | IPEA* (cycle-pedestrian):      | A4+            |
| IPEA* (green areas):              | A4+    | IPEA* (historic city centers): | A10+           |

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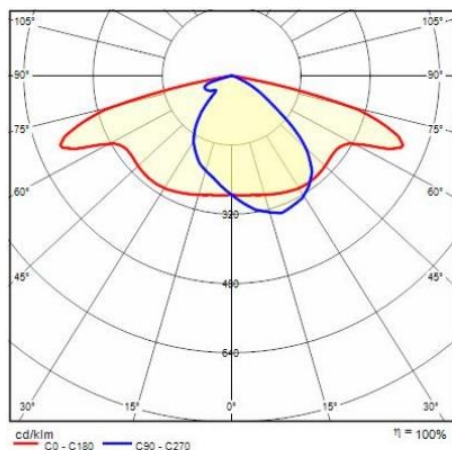
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## Photometric data



## Optional accessories

### THEOS GLASS



**14174796**

Wall mount bracket THEOS

■ AN-g6 / Anthracite gray



**14077796**

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

■ AN-g6 / Anthracite gray

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