

# THEOS GLASS SR/125

Part number 306453



## 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 Ø 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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## Product data

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

## General information

|                                    |                                    |                              |       |
|------------------------------------|------------------------------------|------------------------------|-------|
| Lampholder:                        | LED                                | Light source:                | LED   |
| Lightsource lumen output [lm]:     | 17923                              | Luminaire lumen output [lm]: | 15282 |
| Luminaire wattage [W]:             | 104 W                              | Luminous efficacy [lm/W]:    | 147   |
| CRI:                               | 70                                 | Colour temperature [K]:      | 4000  |
| Colour / Finishing:                | AN-g6 / Anthracite gray / Textured | IP degree of protection:     | IP66  |
| Impact resistance / impact energy: | IK08 gJ xx5                        | Protection class:            | II    |
| Optic:                             | SR/125 - Street                    | Net weight [kg]:             | 9.38  |
| 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]:   | 960 °C    |
| Lateral exposed area [m²]: | 0.06        | 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]:          | 53 / 300 | C10 1.5 mm²:                          | 8         |
| C16 2.5 mm²:                    | 13       | B10 1.5 mm²:                          | 5         |
| B16 2.5 mm²:                    | 8        |                                       |           |

## Installation

|                                        |                  |                                |             |
|----------------------------------------|------------------|--------------------------------|-------------|
| Application area:                      | Outdoor lighting | Mounting type:                 | Streetlight |
| Min. ambient temperature [°C]:         | -40              | Max. ambient temperature [°C]: | 55          |
| 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):         | A5+            |
| IPEA* (large areas, roundabouts): | A8+    | IPEA* (cycle-pedestrian):      | A5+            |
| IPEA* (green areas):              | A5+    | IPEA* (historic city centers): | A10+           |

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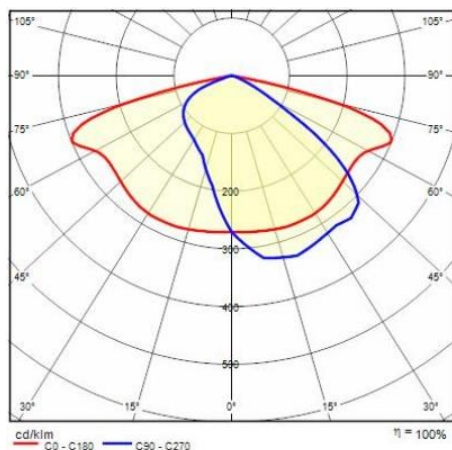
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For information:  
**PERFORMANCE IN LIGHTING S.p.A. Headquarters - Italy**  
Viale del Lavoro 9/11  
37030 Colognola ai Colli Verona - Italy  
Tel. +39 045 61 59 211

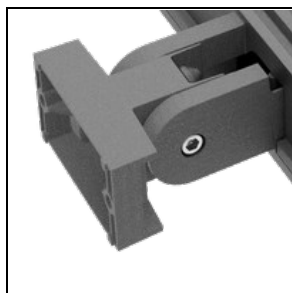
**info.it@pil.lighting**  
[www.performanceinlighting.com](http://www.performanceinlighting.com)

## 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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