

# THEOS LUM GLASS SR/075

Part number 3113427



## Description

LED catenary lighting luminaire, comprising:

- Die-cast aluminium housing, polyester powder coat finish ISO 9227/12944 - ISO 9223 (C5)
- Powder-polyester coated die-cast aluminium trim
- 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
- Complete with supplementary surge protection device (SPD) against mains overvoltages up to 10 kV and electrostatic charges (ESD)
- Connection to mains through technopolymer box, for cables Ø 7 - 17 mm. Complete with factory pre-wired 0.5 m H07RN-F cable
- Stainless steel locking hardware
- Ultra-thick galvanised sheet steel rope fixing device
- Wire mount, whose special geometrical design is studied for easy installation and firm locking with strong metal clamps
- Optimised light emission dual-adjustment design: the angle adjustment allows for direction when the wire is not perpendicular to the road, and the transversal adjustment allows levelling when the wire is not parallel to the ground
- UNI 10819 light pollution standards compliant (0% ULOR rating)
- 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
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## Product data

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

## General information

|                                    |                                |                              |        |
|------------------------------------|--------------------------------|------------------------------|--------|
| Lampholder:                        | LED                            | Light source:                | LED    |
| Lightsource lumen output [lm]:     | 5431                           | Luminaire lumen output [lm]: | 4870   |
| Luminaire wattage [W]:             | 35 W                           | Luminous efficacy [lm/W]:    | 139    |
| CRI:                               | 70                             | Colour temperature [K]:      | 4000   |
| Colour / Finishing:                | AN-g6 / Anthracite gray / Matt | IP degree of protection:     | IP66   |
| Impact resistance / impact energy: | IK09 12J xx7                   | Protection class:            | II     |
| Optic:                             | SR/075 - Street                | Net weight [kg]:             | 11.269 |
| Overall length [mm]:               | 410                            | Overall width [mm]:          | 410    |
| Overall height [mm]:               | 215                            |                              |        |

## Mechanical features

|                            |                      |                            |           |
|----------------------------|----------------------|----------------------------|-----------|
| Shape:                     | Square $\geq 300$ mm | Housing material:          | Aluminium |
| Diffuser material:         | Glass                | Glow wire test [°C]:       | 960 °C    |
| Frontal exposed area [m²]: | 0.04                 | Lateral exposed area [m²]: | 0.04      |
| Top exposed area [m²]:     | 0.15                 |                            |           |

## Electrical features

|                                 |          |                                       |          |
|---------------------------------|----------|---------------------------------------|----------|
| Voltage type:                   | AC       | Input voltage [V AC]:                 | 220/240  |
| Input frequency [Hz]:           | 50/60    | Power factor / COS $\Phi$ :           | >0.95    |
| Surge protection   Common [kV]: | 8.000000 | Surge protection   Differential [kV]: | 6.000000 |
| 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]: | 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: | G4             |
| Zero light pollution (ULR = 0%):  |        | IPEA* (road lighting):    | A7+            |
| IPEA* (large areas, roundabouts): | A8+    | IPEA* (cycle-pedestrian): | A7+            |

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IPEA\* (green areas): A7+

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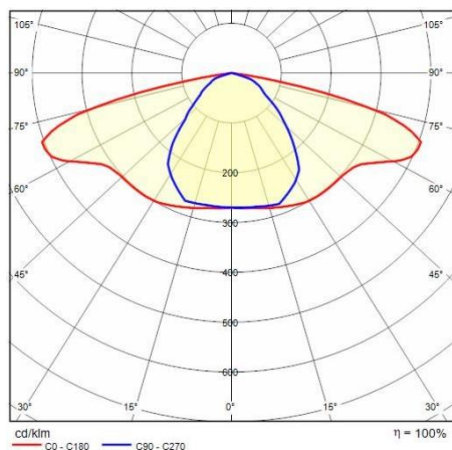
IPEA\* (historic city centers): A11+

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## Photometric data

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