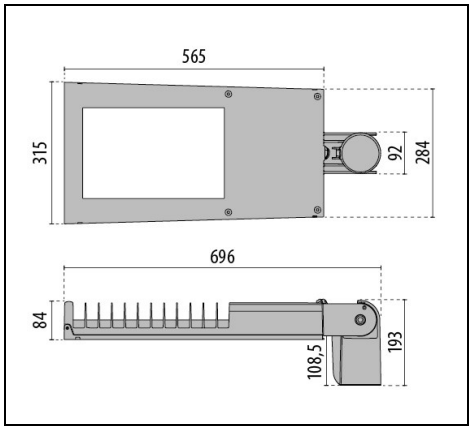
# THEOS GLASS SR/150

## Part number 306485




IP 66 | CLASS II | ≤-40°C | ≥ +50° | FULL CUT OFF | ULR<1 | CIEn°3>95 | DALI | SPD 10kV | CE | EAC | UKCA

### 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 $mm^2$ or H07RN-F 4x1.5 $mm^2$ (dimmable options) cable, for mains connection without opening the luminaire
- StReet optic options: SR/075 usually for narrow roads (0.5 ≥ L/H ≥ 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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For information:
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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]:** | 14957 |
| **Luminaire wattage [W]:** | 104 W | **Luminous efficacy [lm/W]:** | 144 |
| **CRI:** | 70 | **Colour temperature [K]:** | 4000 |
| **Colour / Finishing:** | AN-96 / Anthracite gray / Textured | **IP degree of protection:** | IP66 |
| **Impact resistance / impact energy:** | IK08 9J xx5 | **Protection class:** | II |
| **Optic:** | SR/150 - Street | **Net weight [kg]:** | 9.46 |
| **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/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 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):** | A4+ |
| **IPEA* (green areas):** | A4+ | **IPEA* (historic city centers):** | A9+ |

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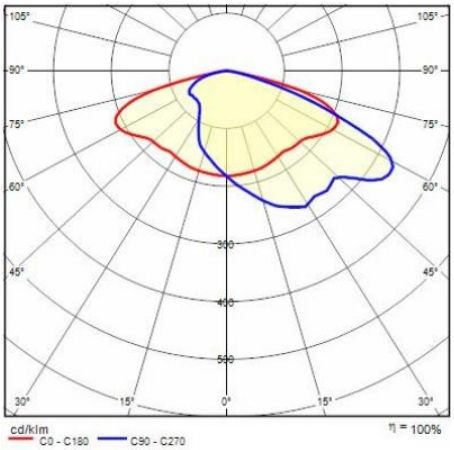
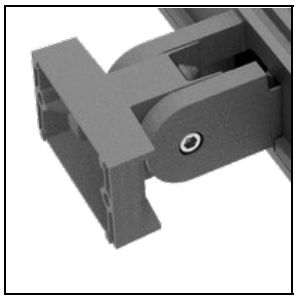
## Photometric data




## Optional accessories

THEOS GLASS



**14174796**

Wall mount bracket THEOS

AN-96 / Anthracite gray

**14077796**

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

AN-96 / Anthracite gray

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