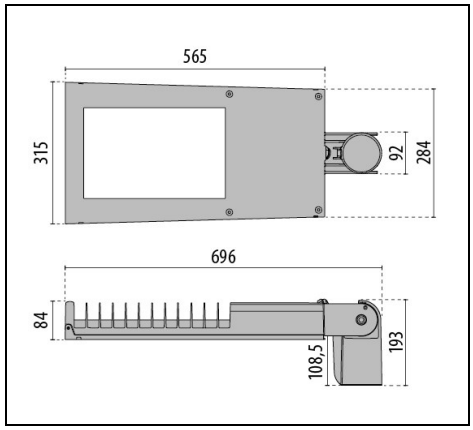
THEOS GLASS SR/100

Part number 3105150



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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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. 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 25ºC. Terms of warranty are available at https://www.performanceinlighting.com/qr/company/led-warranty

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]:	17105	**Luminaire lumen output [lm]:**	14989
Luminaire wattage [W]:	104 W	**Luminous efficacy [lm/W]:**	144
CRI:	70	**Colour temperature [K]:**	3000
Colour / Finishing:	AN-96 / Anthracite gray / Textured	**IP degree of protection:**	IP66
Impact resistance / impact energy:	IK08 9J xx5	**Protection class:**	II
Optic:	SR/100 - 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]:**	650 °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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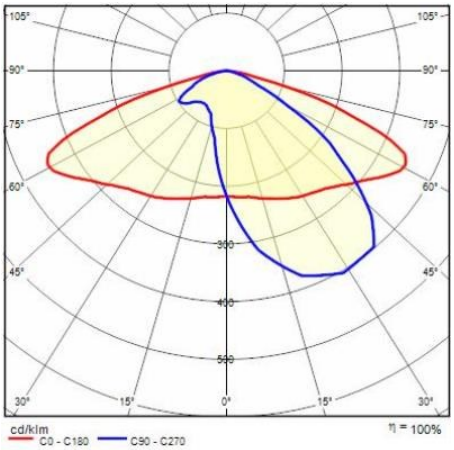
Photometric data



Optional accessories

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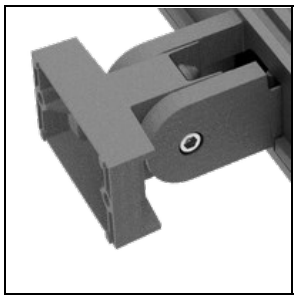

14174796

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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