

THEOS GLASS SR/100 NEMA

Part number 3112201



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 factory pre-wired cable Ho7RN-F 2x1.5 mm²
- Complete with NEMA socket connected to DALI driver and waterproof short-circuit cap for On/Off operation mode and SMART-compatible mounting solutions (NEMA options)
- 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 25°C. Terms of warranty are available at <https://www.performanceinlighting.com/qr/company/led-warranty>

Product data

ETIM Group:	EG000027	ETIM Class:	EC000062
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General information

Lampholder:	LED	Light source:	LED
Lightsource lumen output [lm]:	17923	Luminaire lumen output [lm]:	15483
Luminaire wattage [W]:	104 W	Luminous efficacy [lm/W]:	149
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/100 - Street	Net weight [kg]:	9.845
Overall length [mm]:	696	Overall width [mm]:	315
Overall height [mm]:	247		

Mechanical features

Shape:	Rectangular	Housing material:	Aluminium
Diffuser material:	Glass	Glow wire test [°C]:	650 °C
Lateral exposed area [m²]:	0.07	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:	>0.95
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]:	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):	A6+
IPEA* (large areas, roundabouts):	A9+	IPEA* (cycle-pedestrian):	A6+
IPEA* (green areas):	A6+	IPEA* (historic city centers):	A11+

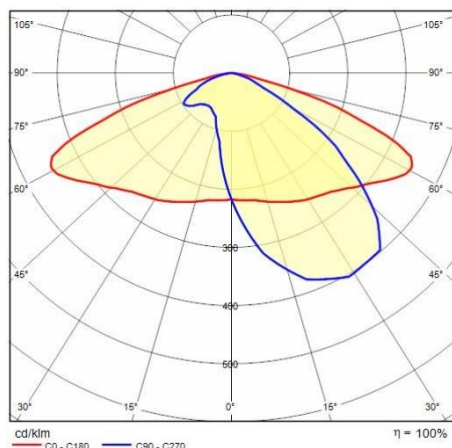
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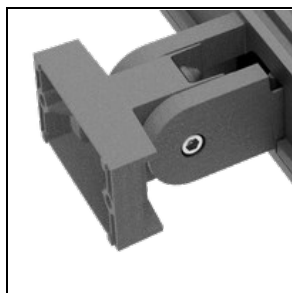
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Photometric data



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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