

SOLA



SOLA – RELIABLE & EFFICIENT STREET LUMINAIRE

SOLA is a high-performance LED street luminaire designed to provide optimal illumination for urban roads, residential areas, and public spaces. With its robust construction, high-quality electrical components, and advanced optical control, SOLA ensures superior efficiency, long-term reliability, and reduced operational costs.

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Description	Value
Luminous flux	2000lm - 27550lm
Correlated color temperature	3000K, 4000K; 5000K and 6000K optional
Color	RAL 9006 (other on request)
Light source	Integral LED module
Housing	ADC12 die-cast aluminum
Cover	Toughened 6mm glass
Screws	304 stainless screws
Driver	Tridronics / Meanwell / Signify / OSRAM / Inventronics
Electrical	Class I or Class II
Input voltage	90-305VAC / 50-60Hz
Surge protection	Up to 10kV (L/N - PE)
Dimming	DALI-2 / PWM / AstroDIM (5 levels) / Zhaga / D4i
External cable	6m, 8m, 10m, 12m, 15m, 18m
Installation bracket diameter	60mm
Compatibility of pole diameters	48/60mm
Lifetime	100,000 hours (at 25°C)
Operating temperature	-40° to 50°C
Degree of protection (IP)	IP66
Impact strength (IK)	IK09
Zhaga socket	Up, down, both
Certification	CE, ENEC, IEC, EN, ROHS
Country of origin	Made in EU
Warranty	5 year

*- Tolerance +/- 7%



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Name	Power (W)	Efficacy (lm/W)	Luminous Flux (lm)	Standard CCT (K)
SLS 20	20	140	2800	4000
SLS 30	30	140	4200	4000
SLS 40	40	140	5600	4000
SLS 50	50	140	7000	4000
SLS 60	60	155	9300	4000
SLS 70	70	153	10710	4000
SLS 90	90	145	13050	4000
SLM 110	110	150	16500	4000
SLM 140	140	150	21000	4000
SLL 190	190	145	27550	4000

Key Features

- Superior Optical Performance – Advanced lens technology ensures uniform illumination, reducing glare and optimizing road visibility.
- High Efficiency & Energy Savings – Provides luminous flux from 2,000lm to 27,550lm, utilizing high-efficacy LED modules for cost-effective operation.
- Smart Lighting Integration – Supports DALI-2, PWM, AstroDIM (5 levels), Zhaga, and D4i, enabling adaptive lighting control for smart city infrastructure.
- Rugged & Weather-Resistant – Constructed with ADC12 die-cast aluminum housing, 6mm toughened glass, and IP66-rated protection, ensuring durability in harsh outdoor conditions.
- Versatile Installation – Compatible with 48mm and 60mm pole diameters, featuring external cable connection options tailored to project requirements.
- Extended Lifespan & Reliability – Engineered for 100,000 hours of operation (at 25°C) with optimized thermal management, reducing maintenance needs.

