

Aluminum IP65 Waterproof LED Solar Street Light

This LED solar street light provides bright and durable illumination with high-quality LED chips. It features flexible installation options for pole or wall mounting and offers wide light distribution.



ADDITIONAL IMAGES



Overview

High-Efficiency All-in-One Solar Lighting

This Aluminum IP65 Waterproof LED Solar Street Light is a professional-grade outdoor lighting solution featuring an integrated design for easy installation and maintenance. It combines high-quality LED chips with a luminous efficiency exceeding 150LM/W and an adjustable solar panel to maximize energy utilization. Built with a durable aluminum housing and professional waterproof structure, it is designed to withstand harsh environments while providing wide-angle illumination.

Key Features



专业配光透镜
Professional Light
Distribution Lens



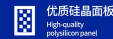
智能微波感应
Microwave Induction



免布排线安装
Wiring-free Installation



磷酸铁锂电池
LiFePO4 Battery



优质硅晶面板
High-quality
polycrystalline panel

Key components include professional light distribution lenses, microwave sensors, and high-capacity LiFePO4 batteries.

Performance Highlights

IP66 Waterproof, 150LM/W Efficiency, Microwave Induction, Wiring-Free, Batwing Light Distribution

Technical Specifications



The product line includes various sizes (T20 to T120) to suit different road illumination requirements.

Core Performance Metrics

150 LM/W

Light Efficiency

18 %

Solar Conversion

2000 times

Battery Life Cycle

Model Specifications

Model	Dimensions	Solar Panel	Battery	Luminous Flux
SL-CLX-0020-E01S	276*183*60mm	6W / 4.5V	3.2V / 16WH	480LM
SL-CLX-0040-E01S	393*183*60mm	10W / 4.5V	3.2V / 32WH	950LM
SL-CLX-0060-E01S	511*221*60mm	15W / 4.5V	3.2V / 48WH	1300LM

Battery & Solar

Battery Technology	A1 grade Lithium Iron Phosphate (LiFePO4)
Solar Panel Material	High-quality Polysilicon
Solar Panel Service Life	25 years

Construction & Installation

Waterproof Rating

IP65 • IP66

Installation Methods

- Pole mount
- Wall mount
- Wiring-free installation

Housing Material	Aluminum
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Lighting Control

Smart Energy Management

Features a 12-hour cycle lumen output with time-period dimming. Includes microwave motion induction that adjusts brightness based on activity: 100% brightness for initial phase, transitioning to 60-40% during mid-night, and maintaining a 7% standby level to conserve energy.

Sensor Technology	Microwave Induction
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