KIRITO



SL03

High-performance split-type solar street light

Modular design, high charging efficiency, and endurance for 2-3 rainy days.

- 20W-60W
- Up to 200lm/W
- IP66
- 0°C to + 50°C
- LiFePO4
- MPPT
- Mono-crystalline Silicon Panel
- Sustainable





Development Philosophy

Split-type solar street lights are chosen for their superior flexibility, high performance, and adaptability in challenging environments. By separating the solar panel, battery, and light, they allow for optimal positioning, larger components, easier maintenance, and better performance in areas with limited sunlight or high power requirements compared to integrated systems.

Reliable Design

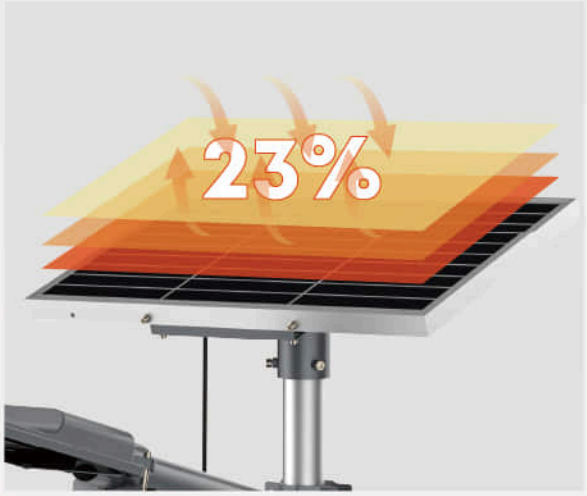
Equipped with a LiFePO4 battery, it delivers a cycle life of over 2,000 cycles at 80% depth of discharge (DOD), ensuring reliable operation of the luminaire.

2000 Cycles **80%** Depth

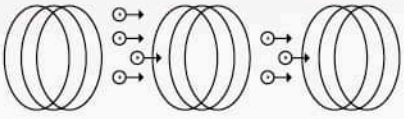


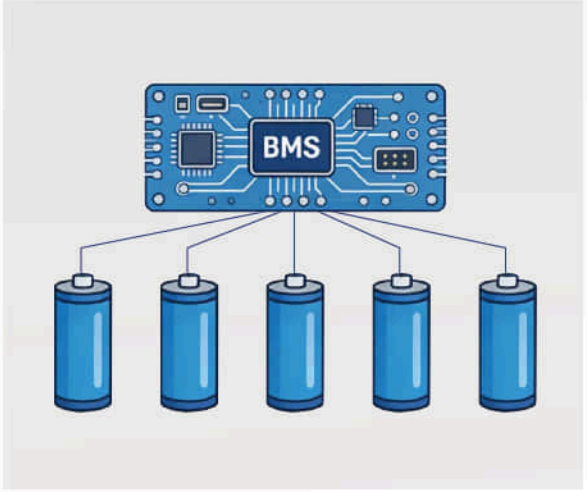
High-efficiency monocrystalline solar panel with 20%–23% photoelectric conversion rate, delivering long-lasting, stable, and reliable power for solar street lights.

20%–23% Efficient Conversion



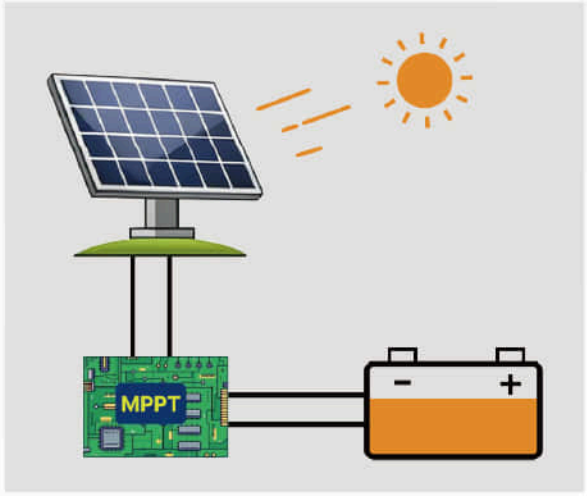
The battery is integrated with a smart BMS, which ensures optimal operating temperature through precise control of overcharge, over-discharge, and temperature protection, extending the service life of the luminaire.





MPPT controller captures 15%–30% more power than PWM controllers, delivering higher charging efficiency and enhanced luminaire performance.

15%–30% Improved charging efficiency



Key Features

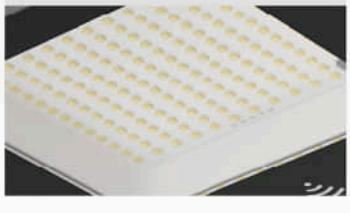




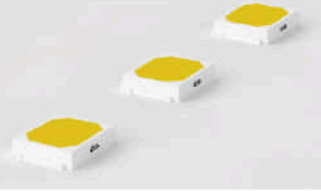
01
Split-design for easy installation and maintenance.



02
High efficiency up to 200lm/W.



03
The lifetime over 100.000 Hrs-LM80.



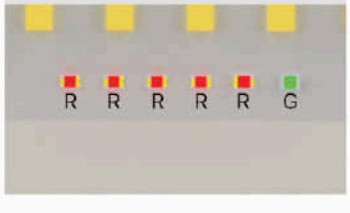
04
In smart mode, the light can operate for 2–3 days on cloudy or rainy days.



05
Built-in microwave motion sensor.



06
The battery indicator makes it easy to check the battery level.



07
Equipped with a 2m DC cable for easy connection.

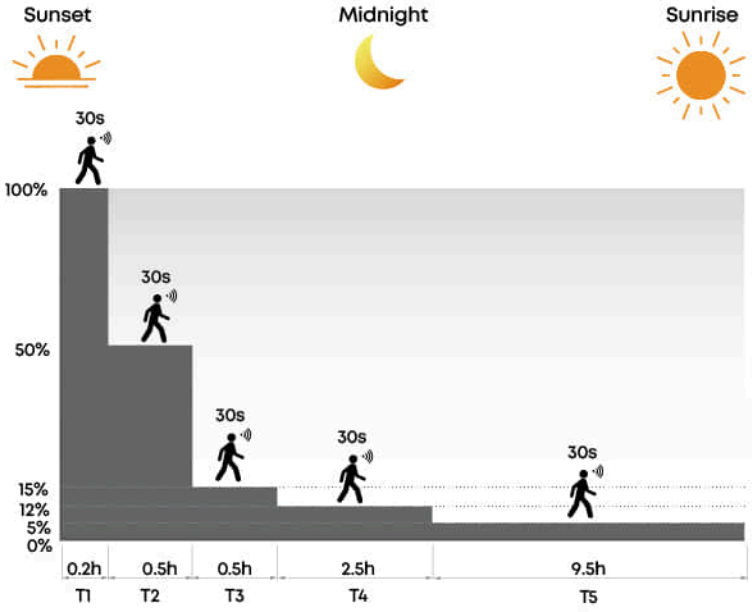


08
Outreach arm with clamp for dia. 55~70mm pole.



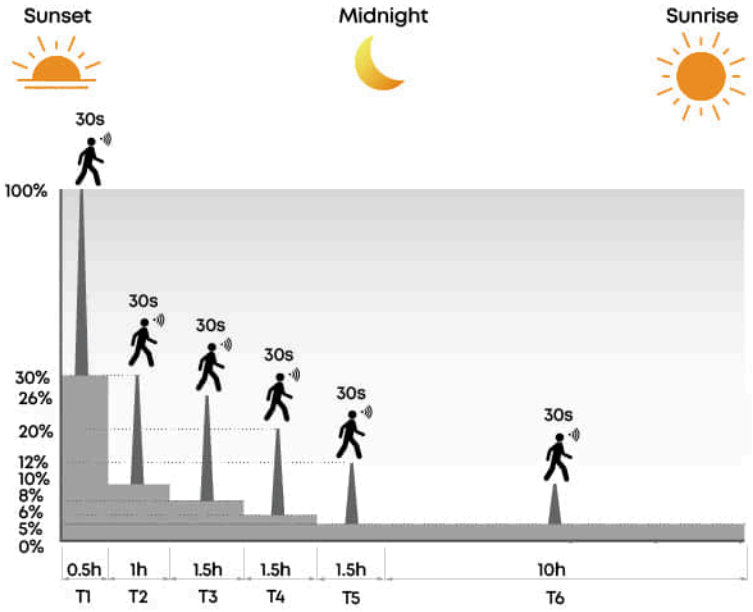
Two Working Mode Optional

Mode 1 (without sensor)



Mode 1 (Factory default mode)		
	Working hours	Brightness level
Time 1	0.2h	100%
Time 2	0.5h	50%
Time 3	0.5h	15%
Time 4	2.5h	12%
Time 5	9.5h	5%

Mode 2 (with sensor)



Mode 2			
	Working hours	Not detected	Detected
Time 1	0.5h	30%	100%
Time 2	1h	10%	30%
Time 3	1.5h	8%	26%
Time 4	1.5h	6%	20%
Time 5	1.5h	5%	12%
Time 6	10h	5%	10%
	Light up for 30 seconds when detected		

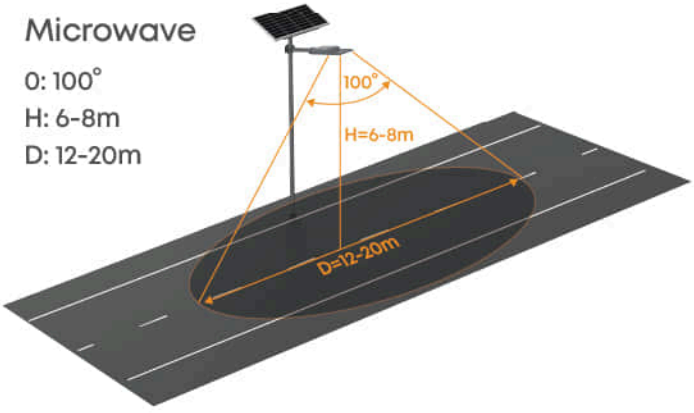
Sensing Distance

Microwave

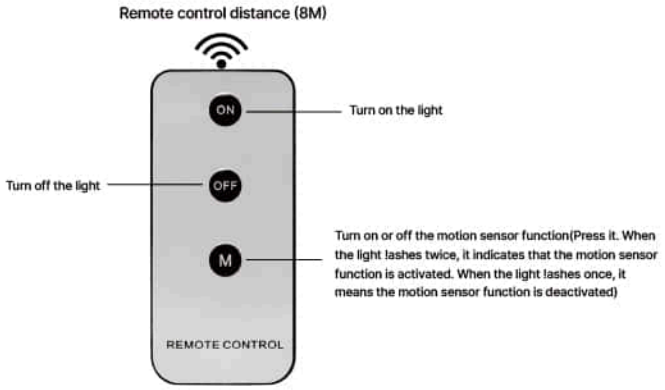
0: 100°

H: 6-8m

D: 12-20m



Remote Control is Optional



ADDITIONAL PRODUCT SPECIFICATIONS

Series Code	SL03
Power	20W, 30W, 40W, 60W
Efficacy	200lm/W
CCT	3000K, 4000K, 5000K
CRI(Ra)	70
Control	MPPT
Corrosion Class	C3
Class Electrical Equipment	Class III
IP Rating	IP66
IK Rating	IK08
Mounting Option	Pole Mounting
Warranty	3 years for battery, 5 years for other parts
Operating Temperature	0°C to + 50°C

The SL03 is a high-performance split-type solar street light, delivering high luminous efficacy up to 200lm/W. Engineered for reliability, it integrates an MPPT controller for rapid charging, a LiFePO4 battery, and an intelligent BMS to maximize service life. Equipped with a built-in motion sensor and smart operating modes, the SL03 ensures stable performance, capable of continuous operation for 2 to 3 days even during rainy weather. Additionally, its intuitive indicator design enables effortless monitoring of battery status at any time.

PRODUCT VIEWS



VIEW 1



VIEW 2