KIRITO



SL05 Cleo Solar

Split-type Solar Street Light

Modular split design, delivering up to 1228.8Wh capacity for continuous illumination 9-14 nights.

- 30W-60W
- Up to 200lm/W
- IP66
- IK10
- to + 50°C
- MPPT
- Mono-crystalline Silicon Panel
- Sustainable

Design Philosophy

Unlike all-in-one solar street lights, our system does not prioritize a compact, uniform appearance. Instead, it adopts a modular design where each component can be independently installed and maintained, delivering greater flexibility and adaptability.

Split Type		All-in-One
The primary tasks (wiring and securing) are completed on the ground or at low heights, significantly reducing installation complexity and risk while allowing for unrestricted site selection.	Installation	The entire luminaire (including the solar panel and battery) is heavy, demanding high skill from the installation team and being highly susceptible to weather conditions.
Replace only faulty components (such as batteries or LEDs) without dismantling the entire system. Solar panels can be inspected/cleaned individually (critical for dusty highways). Reduce maintenance costs and minimize downtime.	Maintenance	If a component fails (such as a battery or solar panel), the entire unit must be replaced. This requires the use of aerial work platforms—resulting in high replacement costs and extended downtime.
Split-design with reduced wind resistance (solar panels securely mounted atop the pole). Separate components enable superior heat dissipation (batteries/LED light assemblies not exposed to sunlight alongside the panels), extending battery life by 30-50%.	Environmental Resistance	The compact design results in weaker wind resistance (risk of pole damage during storms). The dense component layout leads to poor heat dissipation, shortening battery life in high-temperature environments (critical for highways in desert or tropical regions).



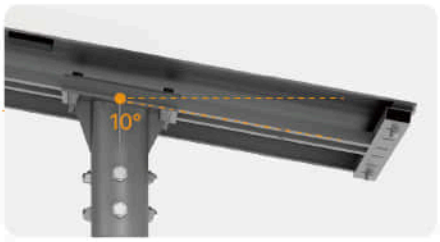
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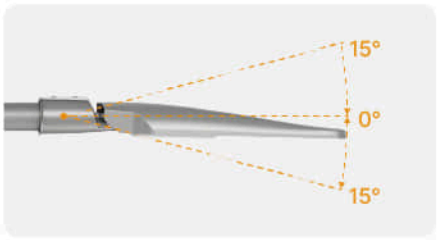




Flexible Installation

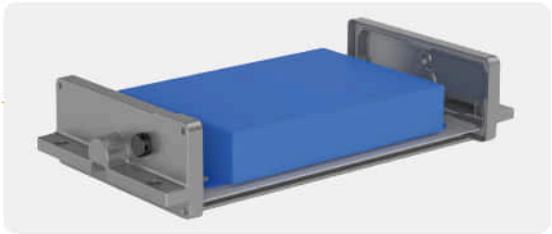
Built-in terminals simplify wiring, while the independent LED light head and solar panel are fully adjustable for optimal lighting and solar energy capture.





Ultra-high Capacity Battery

High-capacity battery design delivers extended runtime, ensuring stable operation of the luminaires.



Better Lighting Performance

Higher lighting efficiency(up to 200lm/W), stronger illumination performance, and lower maintenance costs.



High Mechanical Strength

Features IP66 and IK10 protection ratings, ensuring reliable operation even under harsh weather conditions such as strong winds and heavy dust.



Modular Design

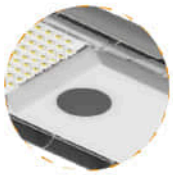
The lamp, battery, and solar panel are separated for easy installation, maintenance and and storage.
The battery can be mounted low on the pole or buried underground, significantly extending its service life.



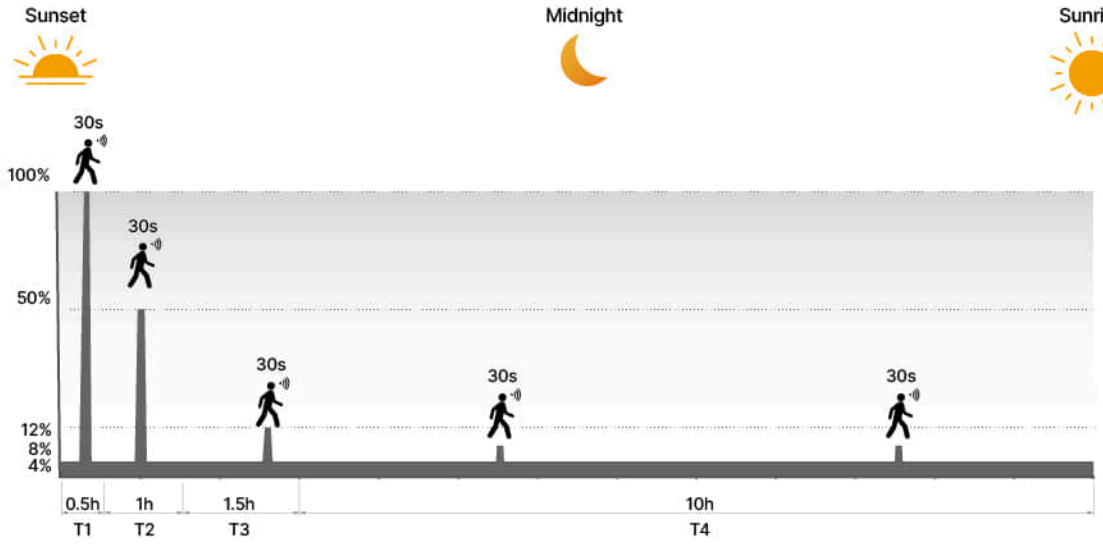
Energy-saving

Features integrated microwave motion sensors and programmable dimming timers, offering smart sensing mode to extend illumination duration.





Microwave
0: 100°
h: 6-10m
d: 14-22m



		Time 1	Time 2	Time 3	Time 4
Default Working Mode (Intelligent Mode)	Working hours	0.5h	1h	1.5h	10h
	Not detected	4%	4%	4%	4%
	Detected	100%	50%	12%	8%
	Light up for 30 seconds when detected				

ADDITIONAL PRODUCT SPECIFICATIONS

Series Code	SL05
Power	30W, 40W, 60W
Efficacy	200lm/W
CCT	3000K, 4000K, 5000K
CRI(Ra)	70, 80
IP Rating	IP66
IK Rating	IK10
Mounting Option	Pole Mounting
Warranty	5 Years
Operating Temperature	-30°C to + 50°C

Cleo Solar is a split-type solar street light delivering high efficacy of up to 200 lm/W and 9–14 nights of continuous illumination. The built-in terminals simplify installation and wiring, while the independently adjustable LED light head and solar panel allow optimal light distribution and maximum solar energy capture. With IP66 and IK10 protection, Cleo Solar is built for reliable outdoor operation. Integrated microwave motion sensors and programmable dimming timers further enhance energy efficiency and extend overall illumination duration.

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PRODUCT VIEWS



VIEW 1



VIEW 2



VIEW 3