

TL-P Series



High Power AI0 Solar Street Light

40-180w

The TL-P series is innovative double-sided solar module with a highly powerful light, contributing to reduce carbon dioxide globally and create new energy products, suitable for urban road lighting, park lighting, parking lot lighting, square lighting, and old street lamp renovation project.



CE FC RoHS IP65



Power of PV Module

80W~300W



↑ Double-Sided Solar Panel

Longer lifespan for 5yrs

Higher power generation up to 30%

Better heat dissipation because without backsheet



Solar Panel Comparison

Double-Sided Solar Panel	
Lifespan	30 yrs
Power Generation efficiency	24%
Attenuation	0.5%

Ordinary Solar Panel	
Lifespan	25 yrs
Power Generation efficiency	20%
Attenuation	0.7%



VS



Advantages



Integrated design, easy installation and maintenance, 0 electricity bill



Meet high-power AIO lighting requirements and max power is 200w



Increased 30% the power generation and 4% the power generation efficiency of double sided solar panel



The aluminum lamp body is extruded at one time so that the LED parts has better heat dissipation and low light decay



Multiple mounting options for a variety of project needs



Anti-theft, Anti-storm, Anti-rust



LED module quantity can be adjusted based on different project, and the whole system lighting effect max can be 240lm/w



All In One Design

Patented technology intelligent MPPT controller

95-98% efficiency

Microwave sensor

Detected distance: within 15m

Patented polarized design bat wing + Spreadlight lens

TYPE II 150 x 70° road lighting or
TYPE III 150x80° area lighting

A Grade LiFePO4 lithium battery

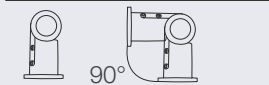
Over 2000 times lifespan

High temperature resistance up to 65°

High efficiency mono solar panel

24% efficiency

Adjustable Sleeve for Horizontal Direction



All Die-casting aluminium alloy lamp body

Anti-corrosion, high tensile, excellent heat dissipation

4 Installation Methods



How many wattage solar street lights can replace high-pressure sodium lights?

At present, there are almost no manufacturers can make 180W integrated solar street lights.

The TL-P series can meet the needs of various high-power lighting projects, as well as customized government projects and old lamp renovation projects.

High Pressure Sodium Street Light



Replaced Solar LED Street Light



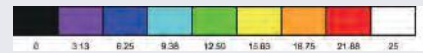
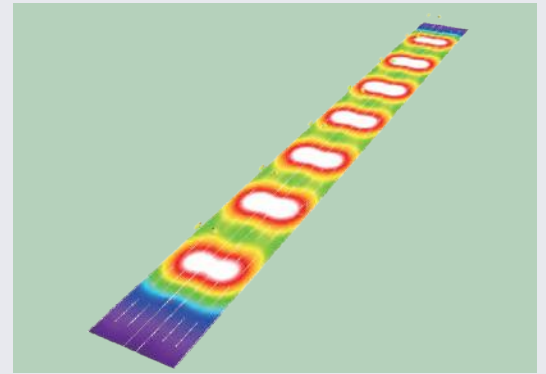
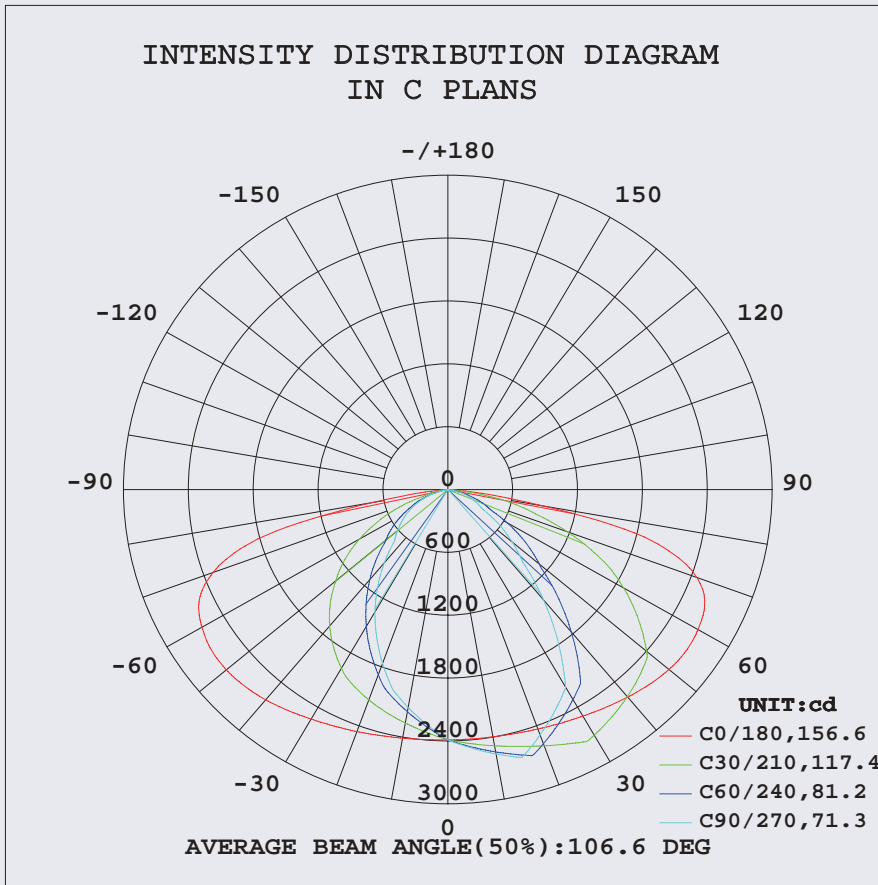
70W	=	40W
150W	=	60W
250W	=	100W
400W	=	180W

Technical Parameters

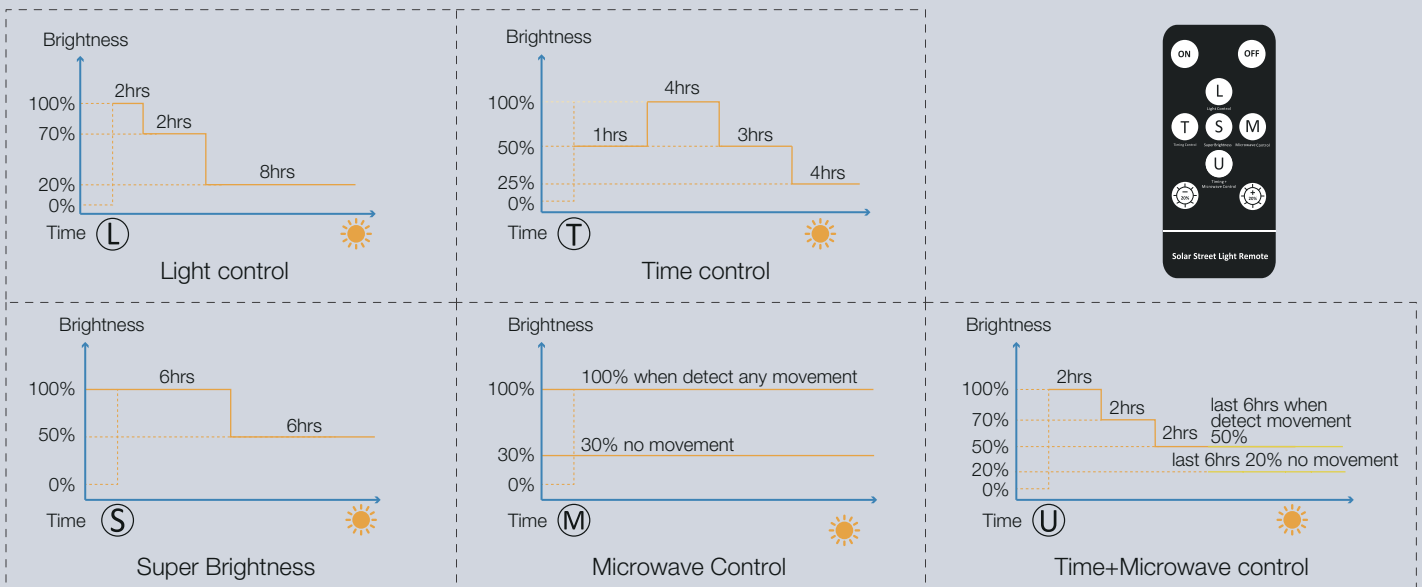
Model	Lumen	Mono Solar Panel	LiFePO4 Battery	Working Time	Colour Temp	Product Size	GW/set
TL-P-40	6400-7200lm	80W/18V	24AH/12.8V	12 hrs rer night 3-5 rainy days	3000K-6500K (6000K default)	1150x380x190mm	18kg
TL-P-60	9600-10800lm	100W/18V	30AH/12.8V			1605x380x190mm	24kg
TL-P-80	12800-14400lm	150W/36V	24AH/25.6V			1605x540x190mm	25.7kg
TL-P-100	16000-18000lm	200W/36V	30AH/25.6V			1605x700x190mm	28.5kg
TL-P-120	19200-21600lm	250W/36V	36AH/25.6V			1605x830x190mm	32kg
TL-P-150	24000-27000lm	300W/36V	42AH/25.6V			2055x700x190mm	34kg
TL-P-180	28800-32400lm	400W/36V	54AH/25.6V			2055x830x190mm	37kg



Photometric Diagrams



5 Working Modes

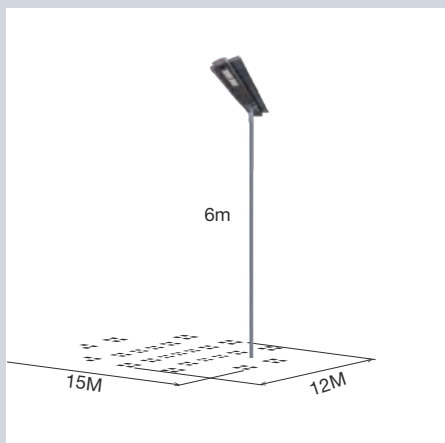


Applications

Roadway, street, highway, industrial and residential area, parking lots, rural area



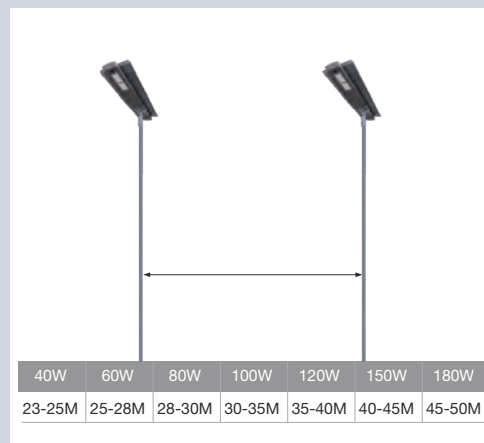
Illumination Zone



Infrared motion sensor detection area



Recommended Installation Height (m)



Recommended Installation Distance (m)

