



TL-SLUX SOLAR LIGHTING POST



High Brightness
Up to 190-200lm/W



Sustainability working



IP66 outdoor use



MPPT controller up to 98% efficiency



Programmable



TL-SLUX Solar Lighting Post is a highly integrated off-grid solar lighting system that combines high-efficiency solar power generation, large-capacity energy storage, intelligent charge/discharge management, high-efficiency lighting, and modern smart control technology. It features robust die-cast aluminum/galvanized steel housings with solar panel wrapped and a sleek, streamlined design with single / two arm bracket of luminaries, engineered for high-end projects. It boasts high-power solar panels, large-capacity batteries, and an MPPT controller for providing charging efficiency. A remote control ensures easy operation, while a 5-year warranty attests to their exceptional quality and durability. Ideal for lighting parks, gardens, squares, walkways, and bike paths, these lights are perfect for premium projects and professional applications. Choose our solar garden lights for a reliable, high-performance, and attractive outdoor lighting solution.

► Feature

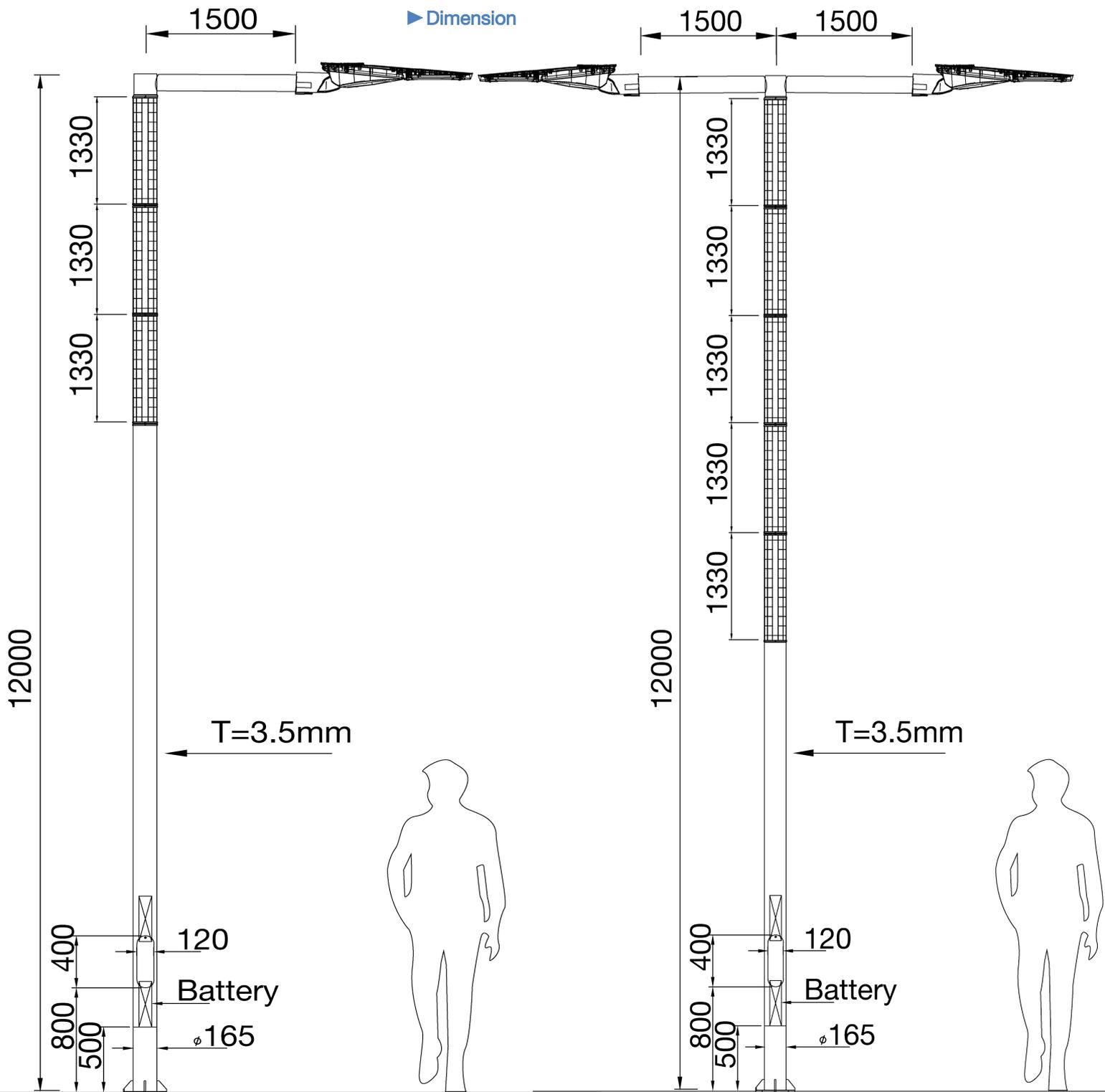
- All-in-one design embodies aesthetics with two arm luminaries
- High lighting efficiency up to 200lm/w
- Mono-crystalline solar Panel brings high generation efficiency up to 23%
- High capacity battery lithium LiFePO4 90Ah ensure long lasting for rainy 2 days
- Power by all solar & no need any wiring
- MPPT controller delivers 98% high conversion from solar to electricity
- APP checking status of battery and solar panel through Bluetooth
- Robust high quality materials option for galvanized steel and aluminum for being protected against strong winds
- Surface coating for Anti-rust treatment
- IP66 design for outdoor lighting fixture
- Easy Installation

► Working Mode Setting

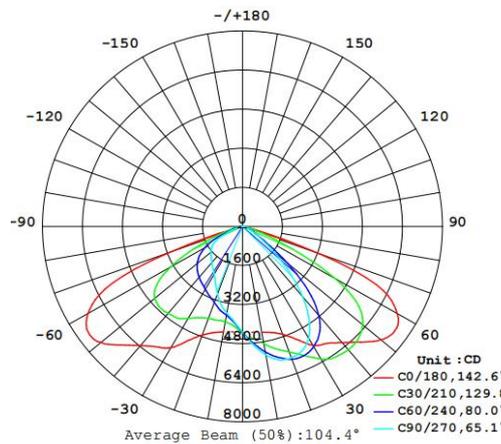
In addition to automatic switching on and off, you have the possibility of setting different lighting programs easily by the simple remote control according to the needs of the project. Also you can set the light to work for 6 hours or 12 hours.

Model A	1H/70%	3H/100%	2H/50%	6H/30% +2H/Morning function
Model B	5H/100%		7H/50% + 2H/Morning function	
Model C	12H/30%+2H/Morning function			





► Distribution Diagram



► Technical Parameter

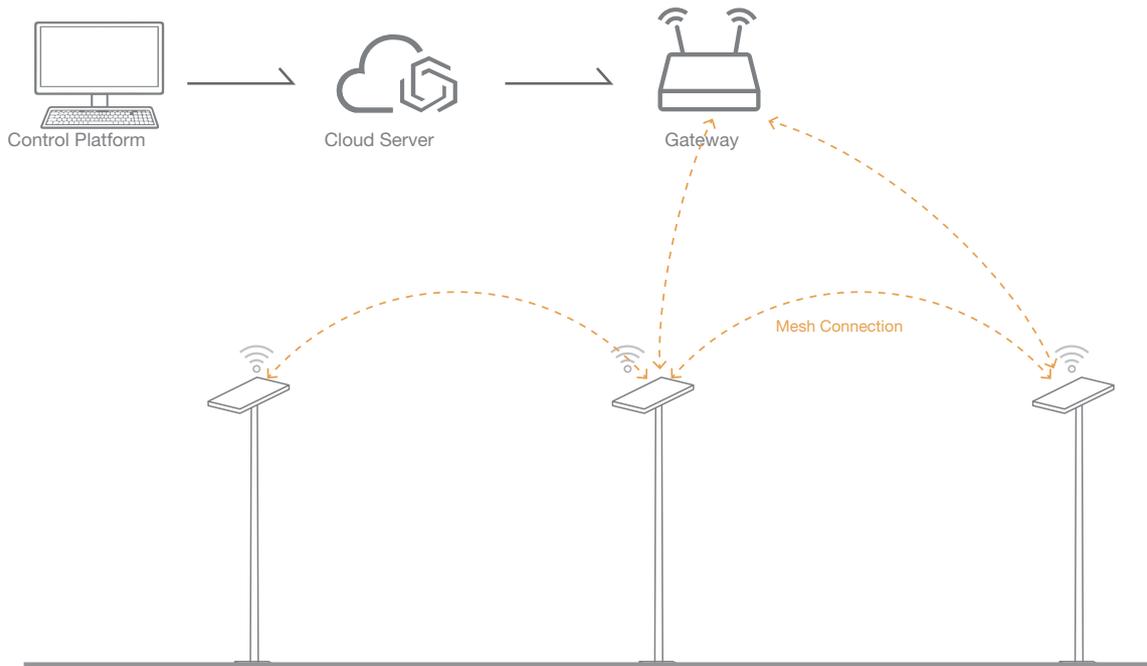
Model Name	TL-SLUX
LED Power	80W Single Arm / 60W+60W Double Arm
Luminous Flux	16000lm Single Arm / 12000 lm + 12000lm Double arm
LED Chips	Lumileds SMD3030
LED Brand	Philips
Average Beam Angle	80°*150° /T1/T2
CRI	>70+
CCT	3000K/4000K/5000K
Light Power	80W Single arm / 60W+60W Double Arm
Solar Panel	300W 20V MONO Single Arm / 500W 20V Mono Double arm
Solar Panel Efficiency	23.5%
Mechanical Load	5400 PA
Connector	Universal MC4 plugs
Solar power lasting	2-3rainy day 12 hours/day
LiFePO4 Battery	12.8V,60AH Single Arm / 12.8V,90AH Double Arm
Battery lifetime	4000 cycles @ D.O.D 50%
Charge mode	C.C + C.V
Power	By Solar
Solar Controller	High Efficiency 98% MPPT
Pole height	Φ165mm*12000mm
Pole material	galvanized steel / Aluminium
Pole wall thickness	3 mm(GA)/5mm(Alu)
Pole Color	Grey / Black /
IP & IK Rate	IP66 IK10
Working Temp.	-25°C~+70°C
Fixture Material	Aluminium Die Casting
Fixture Color	Gray / Black/ Customized
Warranty	5 Years



Wireless Smart Control System

Experience the next level of convenience with our Wireless Smart Control System for solar streetlights. This innovative technology enables seamless monitoring and management of solar streetlights via smartphones or computers. Effortlessly track real-time status, adjust lighting schedules, and optimize performance for entire groups of lights with just a few clicks.

Designed for efficiency and ease, the system reduces maintenance efforts by providing instant alerts for any issues, ensuring minimal downtime. Perfect for large-scale installations, it empowers users with complete control and adaptability, making solar streetlight management smarter, faster, and more efficient than ever before. Upgrade to intelligent lighting solutions today!



Hybrid System with Grid Power

The hybrid solar light system with AC power as backup is designed to make the solar lights more smarter and more reliable in very challenge conditions especially the area where the solar radition is not stable and strong all the year round. The system automatically monitors the battery voltage and will switch between solar power and 220V grid electricity, so the lights will be functional well no matter the weather is good or not.

