



# VERTICAL SOLAR OUTDOOR LIGHTING

## SPECIFICATIONS



<b>LED Source</b>	LED
<b>CCT</b>	3000K/4000K/6000K
<b>Lumen Output</b>	2800LM
	<small>*Higher lumen output available with added solar panels and luminaire height.</small>
<b>Efficiency</b>	180-200lm/W
<b>Power</b>	14W
<b>LED Life</b>	>100,000 hours
<b>Beam angle</b>	:90°/ 151°81°/158°95
<b>Solar Module</b>	Monocrystalline silicon cells
<b>Efficiency</b>	25%
<b>Solar Power</b>	4*30W
<b>Solar Tube Size</b>	150*150*1642mm
<b>Material</b>	6063Al
<b>Battery</b>	LiFePO4 / 460.8Wh (12.8 V 36Ah)
<b>Operating Temperature</b>	-20°C to 60°C
<b>Battery Life</b>	>5 years
<b>Protection Class</b>	IP65
<b>Material</b>	Steel pole and aluminum parts
<b>Finish</b>	Galvanized and powder coat
<b>Flange size</b>	250*250*10MM
<b>Anchor cage size</b>	180*180*400MM
<b>Height</b>	4M

## Descriptions

A vertical square solar pole street light is an innovative and sustainable solution for urban and rural lighting needs. It combines solar energy technology with a sleek, space-saving design, making it ideal for modern infrastructure.

**Innovative Design:** Combines functionality with modern aesthetics.

**Sustainability:** Harnesses renewable energy to reduce environmental impact.

**Cost Savings:** Lowers energy and maintenance costs over time.

**Reliability:** Provides consistent lighting even in adverse weather conditions.

**Scalability:** Can be deployed in various settings, from small streets to large-scale urban projects.

**Durability and Weather Resistance:** Built with robust materials to withstand harsh weather conditions, including rain, wind, and extreme temperatures. The vertical design reduces the risk of snow or debris accumulation on the solar panels, ensuring consistent performance.

**Easy Installation and Maintenance:** The all-in-one design simplifies installation, requiring minimal wiring and infrastructure. Low maintenance requirements due to the self-cleaning nature of vertical panels and the long lifespan of LED lights.

## System Size

