

30W All-in-One Solar Street Light with PIR Sensor, 3300 lm, IP65

OVERVIEW

The SL-P30W is an all-in-one solar street light designed for off-grid outdoor roadway and area lighting applications. It integrates a 60W monocrystalline solar panel, Bridgelux LED array, lithium battery, charge controller, and PIR motion sensor into a single aluminum alloy housing, simplifying installation on poles ranging from 5 to 7 meters in height.

The LED array delivers 3,000–3,300 lumens at 6,500K–7,000K CCT with a 60°×120° beam pattern. Rated at 30W LED draw, the unit operates in a power-saving mode at 30% output and steps to 100% upon motion detection, sustaining full output for 30 seconds after the area clears. Battery discharge supports 20 or more hours in saving mode. LED lifespan is rated at 50,000 hours, and the solar panel carries a 25-year lifespan rating. The fixture withstands operating temperatures from -20°C to +60°C and carries an IP65 ingress protection rating.

The SL-P30W is RoHS compliant and IP65 rated. It is covered under a 1-year limited warranty. Installers should note that battery charging is inhibited below 0°C to protect cell integrity, and panel orientation toward maximum solar exposure is required for rated runtime performance.

SPECIFICATIONS

Power	30 W	Dimensions	45 × 13 × 5.5 in
Luminous flux	3000–3300 lm	Weight	15.3 kg
CCT	6500–7000 K	Rated life	50000 hr
Beam angle	60 × 120 °	Warranty	1 yr
IP rating	IP65	Operating temp	-20 to +60 °C
Input voltage	12 V		

MOUNTING

Distance between Lamps	15 – 25 meters
Material of Lamp	Aluminum Alloy
Certifications	ISO CE ROHS IP65
Warranty	1 Year Limited Warranty
Product Size	(L) 45" × (W) 13" × (H) 5.5"
Product Weight	15.3 Kgs
Carton Size	(L) 46" × (W) 15" × (H) 8"

CERTIFICATIONS & COMPLIANCE



RoHS



IP65