

# ALL IN ONE SOLAR STREET LIGHT



Characteristics		Model No					
		LFSOSL020W	LFSOSL030W	LFSOSL050W	LFSOSL060W	LFSOSL80W	LFSOSL100W
Solar & Battery	Solar Panel Wattage	20W	30W	50W	60W	80W	100W
	Battery (LiFePO4)	12.8V/16AH	12.8V/24AH	12.8V/36AH	12.8V/48AH	12.8V/60AH	25.6V/40AH
	Charging Time	6 - 8 Hours (Bright Sunlight)					
	Working Time	2 - 3 Nights (Rainy Day Backup)					
Light Quality & Output (Photometrics)	Luminous Flux (lm)	210-220 lm					
	Color Temp (CCT)	3000K - 6500K					
	CRI (Ra)	RA 70,80,90					
	Beam Angle	140° x 70° (Batwing Lens)					
	LED Type	SMD Single Lamp					
	Total lumen @ tc 25°C	2,400 -2,600lm	3,600 -3,900lm	6,000 - 6,500lm	7,200 - 7,800lm	9,600 - 10,400lm	12,000 - 13,000lm
Control System	Controller Type	Intelligent MPPT Tracking (Maximum Power Point Tracking)					
	Sensor Mode	PIR Motion Sensor + Time Control + Dusk-to-Dawn					
Physical Build & Durability	Housing Material	ADC12 Die-Casting Aluminum + Tempered Glass					
	IP Rating	IP65					
	Install Height	2.5M - 3M	3M - 5M	5M - 7M	7M - 8M	8M - 9M	9M - 10M
	Dimensions (mm)	720- 415mm	720- 415mm	1000 - 415mm	1000 - 415mm	1000 - 415mm	1199 - 355mm
Standards	Operating temperature range	(-10 to 50 °C)					
	Lamp Life	>50,000 Hours					
	Warranty Period	2-5 years					
	Certification	LM-80 ,(IEC 62471:2006 & IEC 62778:2014) ,ROHS					
Enquiry link for the Product		<a href="https://leoforse.com/contact-us/">https://leoforse.com/contact-us/</a>					



**Quality Assured**

visit [www.Leoforse.com](http://www.Leoforse.com) for more details

2026 updated

Installation Guidelines	<p>Optimal Placement: Install the light in a location with 0% shade. Nearby trees or buildings can significantly reduce battery charging efficiency.</p> <p><b>Solar Orientation:</b> Ensure the PV panel faces South at an angle of 15°–30° to capture maximum sunlight throughout the day.</p> <p>Zero Wiring: Since this is an all-in-one unit, no external AC wiring is required. Simply mount and activate the device.</p> <p>Mechanical Safety: Use only the provided mounting bracket and check the pole's stability to ensure it can withstand local wind resistance levels.</p>
Power System & System	<p>Automatic Operation: The system utilizes the solar panel as a light sensor to automatically turn the light ON at dusk and OFF at dawn.</p> <p>Intelligent MPPT: The built-in controller manages the LiFePO4 battery to prevent overcharging during the day and deep discharging at night.</p>
Outdoor Usage	<p>Restrict outdoor applications exclusively to waterproof lighting fixtures.</p> <p>Prevent the exposure of indoor rated lights to rain or moisture.</p> <p>Ensure all installations are positioned in a safe and dry environment.</p>
Heat & Safety Management	<p>Avoid placing any covers or obstructions over the lighting unit.</p> <p>Maintain a safe distance from heat sources and flammable materials.</p> <p>Facilitate adequate air ventilation to prevent overheating.</p>
Battery Integrity	<p>Sealed Unit: Do not open the battery compartment. The unit is factory-sealed to maintain its IP65 waterproof rating.</p>
General Usage	<p>Select the appropriate lighting type tailored for the specific environment.</p> <p>Minimize frequent power cycling to preserve the longevity of the light.</p> <p>Utilize the recommended wattage to ensure optimal performance levels.</p>
Maintenance Protocols	<p>PV Panel Cleaning: Clean the solar panel surface every 6 months using only a damp cloth.</p> <p>Service Life: While LiFePO4 batteries are designed for long-term use, dust or bird droppings can create "hot spots" and reduce efficiency.</p> <p>No Chemicals: Never use abrasive chemicals or high-pressure washers on the solar panel or the LED lens.</p>
Safety Precautions	<p>Do not attempt to open or modify the lighting unit under any circumstances.</p> <p>Replace the unit immediately if it shows signs of damage or consistent flickering.</p> <p>Keep all electrical components out of reach of children.</p>
Key Benefits	<p>Features low power consumption for increased energy efficiency.</p> <p>Designed for a long operational life cycle.</p> <p>Manufactured with eco friendly materials and processes.</p>
Support & Warranty	<p>Coverage: The warranty covers the battery, MPPT controller, and LED chips against manufacturing defects.</p> <p>Replacement Parts: If performance drops after 5 years, contact your local dealer for official replacement parts.</p> <p>Warranty Options: Standard coverage plans are available for 2 to 5 years, depending on the specific model selected.</p>

**Technical Support: salesleoforseled@gmail.com | Ph: +91 95005 78101 | Hours: 9 AM – 5 PM**