## SLS - Solar LED Streetlight

**Solar LED Streetlight**

SLS Series LED Solar Street Light is designed with an all-in-one streamlined design. High brightness LEDs combined with the long lifespan of the lithium iron phosphate battery make this a great lighting solution for applications where electric power is not available.

### Features:
- Die-cast housing with UV resistant powder coat finish
- Integrated monocrystalline silicon solar panel
- Adjustable slip fitter accommodates up to 50° tilt to compensate for latitude to improve solar efficiency
- Adjustable LED module for proper optical performance after tilting the solar panel.
- High performance LUMILEDS 5050 LED chips achieving 200Lm/ W, CRI > 70
- Motion sense, fixed output, or time-based control selectable with remote control programmer. (see other accessories for remote control ordering information)
- Automatically turns on and off without the need for additional photocontrol.
- LiFePO4 battery with 2000 cycle design life (~5.5 years)
- High efficiency MPPT charge controller
- Operating Temperature -20°C to +40°C (the battery will not charge when below 0°C, but can continue to operate the LEDs)
- High transmittance, UV-inhibited, flame retardant polycarbonate lens
- 6kA lightning surge protection
- IP65 rated
- Standard with slip fitter mounting

### Applications:
- Parking areas
- Roadway
- Recreation Areas
- Walkways

### Warranty & Listings:
- Five (5) year warranty
- CE listed

### Ordering Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Wattage</th>
<th>CCT</th>
<th>Mounting</th>
<th>Housing Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS: Solar LED Streetlight</td>
<td>008: 8W</td>
<td>4000K</td>
<td>SF: Slip fitter</td>
<td>G: Grey</td>
</tr>
<tr>
<td>SLS0204</td>
<td>20W</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SLS0304</td>
<td>30W</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1 - See additional mounting accessories

### Model Details

<table>
<thead>
<tr>
<th>Model #</th>
<th>Solar Panel Wattage</th>
<th>Battery (WHr)</th>
<th>Charging Time (Hr)</th>
<th>Full Power Run Time (Hr)</th>
<th>Max. Run Time (Hr)</th>
<th>Lumens 4000K</th>
<th>Optics</th>
<th>Dimension L x W x H (in)</th>
<th>Weight (lbs.)</th>
<th>Min. EPA (in^2)</th>
<th>Max. EPA (in^2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS0084</td>
<td>17</td>
<td>115</td>
<td>7</td>
<td>12</td>
<td>50</td>
<td>1600</td>
<td>Type III</td>
<td>20.5x11.4x3.1</td>
<td>11.7</td>
<td>0.42</td>
<td>1.24</td>
</tr>
<tr>
<td>SLS0204</td>
<td>36</td>
<td>245</td>
<td>7</td>
<td>12</td>
<td>50</td>
<td>4000</td>
<td>Type III</td>
<td>25.98x16.54x3.7</td>
<td>21.4</td>
<td>0.77</td>
<td>2.29</td>
</tr>
<tr>
<td>SLS0304</td>
<td>52</td>
<td>385</td>
<td>7</td>
<td>12</td>
<td>50</td>
<td>6000</td>
<td>Type III</td>
<td>42.13x19.29x6.5</td>
<td>29.8</td>
<td>1.05</td>
<td>3.12</td>
</tr>
</tbody>
</table>

2 - Half light output at 40% battery state of charge

3 - 15° solar panel tilt

4 - 50° solar panel tilt

**NOTICE:** One remote is required per installation site.
### Mounting Accessories

<table>
<thead>
<tr>
<th>Mounting Accessories</th>
<th>Slip Fitter</th>
<th>Trunion</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLS008</td>
<td>Vertical (limits tilt angle) or horizontal tenon 1-1/4NPS to 2NPS (1.66” to 2.37”). Minimum 5” long tenon required.</td>
<td>Wall mount or square pole wider than 3.94” Order SLS-TR</td>
</tr>
<tr>
<td>SLS020 and SLS030</td>
<td>Wall mount or square pole wider than 4.72” Order SLS-TRL</td>
<td>Round pole or Square pole 1.97” to 3.54”. Round pole 1.97” to 4.33”. Order SLS-TR and SLS-SH</td>
</tr>
<tr>
<td></td>
<td>Included with SLS luminaire</td>
<td>Round pole 2.36” to 3.94” or Square pole 1.97” to 3.94”. Order SLS-TRL and SLS-SHL</td>
</tr>
</tbody>
</table>

### Other Accessories

<table>
<thead>
<tr>
<th>Other Accessories</th>
<th>SLS-RC</th>
<th>SLS008-BATT</th>
<th>SLS020-BATT</th>
<th>SLS030-BATT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remote control programmer</td>
<td>Replacement battery kit for 8W</td>
<td>Replacement battery kit for 20W</td>
<td>Replacement battery kit for 30W</td>
<td></td>
</tr>
<tr>
<td>One needed per site. Works with multiple luminaires</td>
<td>Replacement door with driver/charger, motion sensor, and battery with modular connections</td>
<td>Replacement door with driver/charger, motion sensor, and battery with modular connections</td>
<td>Replacement door with driver/charger, motion sensor, and battery with modular connections</td>
<td></td>
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### Other Accessories

- Remote control programmer
- Replacement battery kit for 8W
- Replacement battery kit for 20W
- Replacement battery kit for 30W
- Replacement door with driver/charger, motion sensor, and battery with modular connections
Remote Control Programmer Operation Settings

NOTE:
The Luminaire will flash twice when mode selection is received.
The luminaire will reduce to half power when battery is less than 40% charged.

Useful Resources:
1. To calculate optimum solar panel tilt when the latitude of the project site is known: www.solarpaneltlt.com