

## LED SOLAR STREET LIGHT - STC SERIES - 50W HIGH LUMEN

The ZLEDLighting solar-powered streetlight is a UL-certified solution designed for both commercial and residential lighting applications. Combining the latest in solar and LED lighting technology, ZLEDLighting offers eco-friendly illumination solutions that reduce energy consumption and promote sustainability.



Includes selection of one of mounting option.



- The world's first UL Listed Solar Street Light
- Solar panels with up to 22% efficiency and a lifespan of over 20 years.
- Grade A LiFePO4 Battery Pack, 2000+ full charging cycles.
- 4 days of autonomy in energy-saving mode during rainy and cloudy weather.
- Equipped with a microwave motion sensor and photocell sensor.
- Built-in Smart MPPT controller with overcharge, over-discharge, and overtemperature protection systems.
- Die cast A380 aluminum fixture housing is rust free
- Low temperature battery (-30°C/-22°F to 140°F) optional for cold areas.
- UL Listed, Rated IP65, High Lumen and Motion Sensor
- Includes selection of one mounting option.
- 3 year warranty.

## APPLICATIONS

The ZLEDLighting solar-powered streetlight is ideal for a wide range of applications, including residential streets, parks and recreational areas, commercial environments, roadways and highways, public transport stations, campus and school grounds, tourist attractions, or any remote locations with no access to conventional power. With its eco-friendly design and efficient lighting, it provides reliable illumination in areas where traditional power sources are unavailable.



- Residential Streets
- Parks and Recreational Areas
- Commercial Districts
- Roadways and Highways
- Public Transport Stations
- Campus and School Grounds
- Tourist Attractions
- Any remote locations that have no access to conventional power

## LED SOLAR STREET LIGHT - STC SERIES - 50W **HIGH LUMEN**

### LIGHT FIXTURES

Wattage	50W
Color Temperature	30K, 40K, 50K, 57K
Lumen @ 5000K	9,000
EPA @ 60°	4.88
Efficacy @ 5000K	180 lm/W
LED Chip	Lumileds 5050 (210lm-CRI>70)



### BATTERY

Operating Temperature	-4°F to 140°F
Charging Temperature	32°F to 140°F
LiFePO4 Battery	691WH 12.8V 54AH
Charging Time	11 hours
Run Time	13 hours



Battery

### SOLAR PANEL

Rating Power	18V 115W
Weight	58.7 lbs
CRI	>70



### MAXIMUM AUTONOMY

Motion Sensor Mode	40%–100% 32 hours 280%–80% 55 hours
Time Control Mode	Night Owl 28 hours Early Bird 25 hours
Constant Mode	100% 13 hours 70% 19 hours 40% 34 hours

## LED SOLAR STREET LIGHT - STC SERIES - 50W HIGH LUMEN

### PRODUCT BUILDER

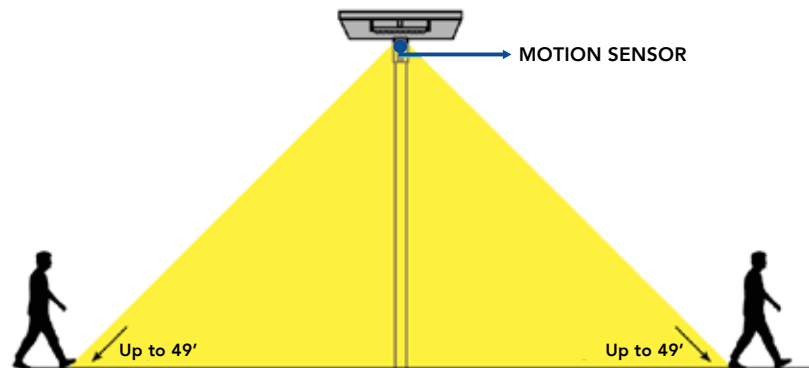
ex: ZL-STC-50-3-STC-A-GY

TYPE	SERIES	WATTAGE	COLOR TEMP	MOUNTING OPTIONS	FINISH
ZL	STC=Street Light	50W	<div style="border: 1px solid black; padding: 2px;">           3=3000K            4=4000K            5=5000K            6=5700K         </div>	<div style="border: 1px solid black; padding: 2px;">           STC-A=Slip Fitter            STC-B=Mounting Sleeve         </div> <p style="font-size: small; text-align: center;">Includes selection of one of mounting option.</p>	<div style="border: 1px solid black; padding: 2px;">           GY=Gray            BK=Black         </div>

### PART NUMBERS

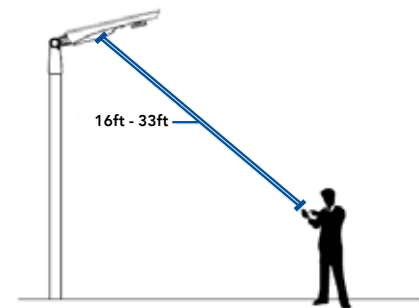
Slip Fitter = ZL-STC-A  
 Mounting Sleeve = ZL-STC-B  
 Remote Control (Sold Separately) = ZL-REMOTE-SSL-8-20-30-50

### DETECTION ZONE



### REMOTE CONTROL

PART #: ZL-REMOTE-SSL-8-20-30-50



#### 1. On/Off

When off is selected, the light will stop working. The solar panel will not charge the battery and the battery will not supply electricity to the light.

#### 2. Connect/Test

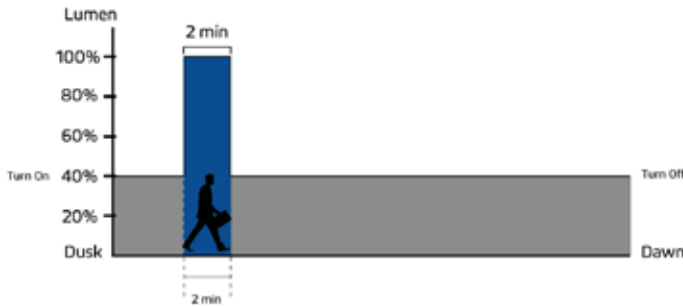
Remote control decide can be connected with any lighting fixture, one at a time. To connect, press the button once. It also functions as a test button. To test, press the "Test" button once, the red light will indicate the fixture is charging, green light indicated that the fixture is operating. Testing lasts for 10 seconds, and then it goes back to the mode previously in use.

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### REMOTE CONTROL

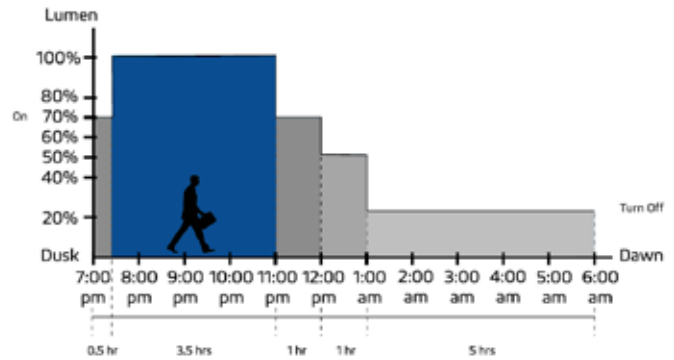
#### 3. 40%~100% Motion Sensor Mode

Constant 40% brightness (turns on at dusk, turns off at dawn); 100% brightness turns on for 2 minutes when motion is detected.



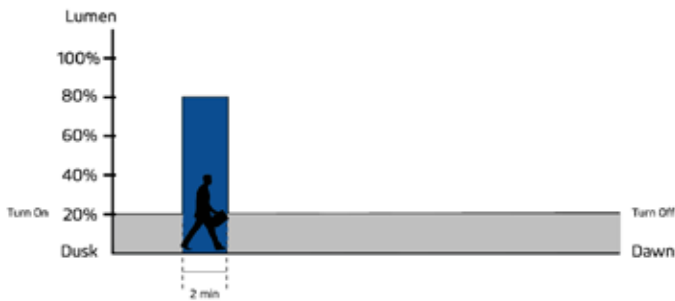
#### 5. Connect/Test

Changes as natural light decreases/increases (turns on at dusk); 70% brightness for 0.5 hour, 100% brightness for 3.5 hours, 70% brightness for 1 hour, 50% brightness for 1 hour, 20% brightness for 5 hours (turns off at dawn).



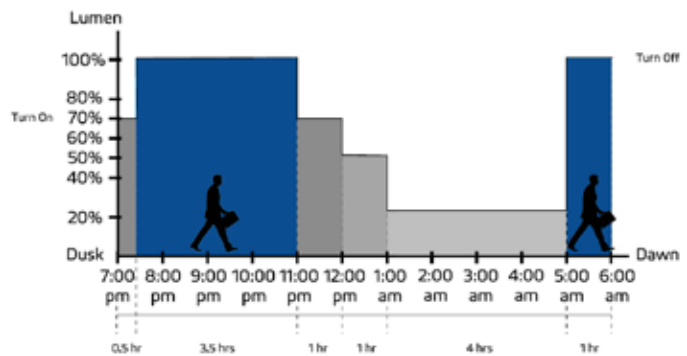
#### 4. 20%~80% Motion Sensor Mode (Default)

Constant 20% brightness (turns on at dusk, turns off at dawn); 80% brightness turns on for 2 minutes when motion is detected.



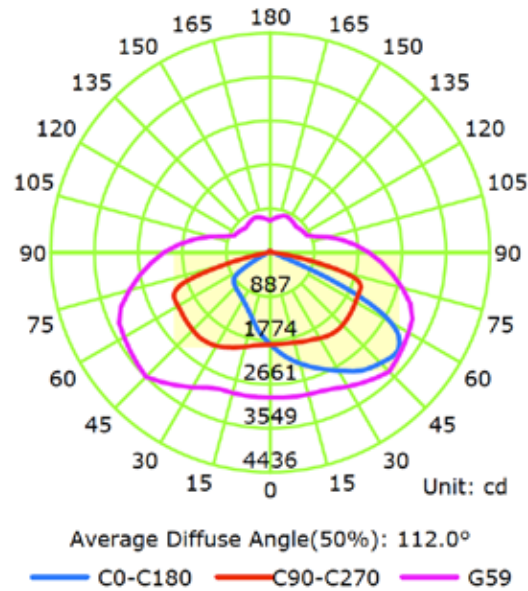
#### 6. Early Bird Mode

Changes as natural light decreases/increases with increased brightness near dawn for early risers (turns on at dusk); 70% brightness for 0.5 hour, 100% brightness for 3.5 hours, 70% brightness for 1 hour, 50% brightness for 1 hour, 20% brightness for 4 hours, 100% brightness for 1 hour (turns off at dawn).

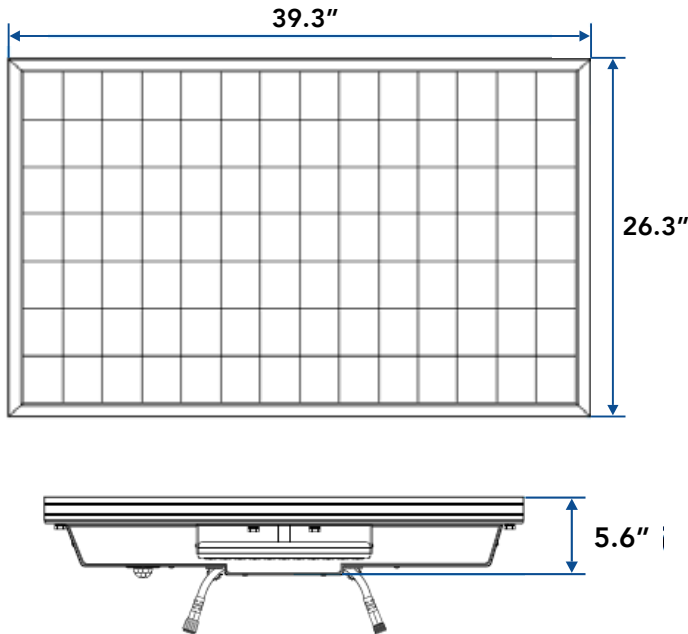


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**PHOTOMETRICS**



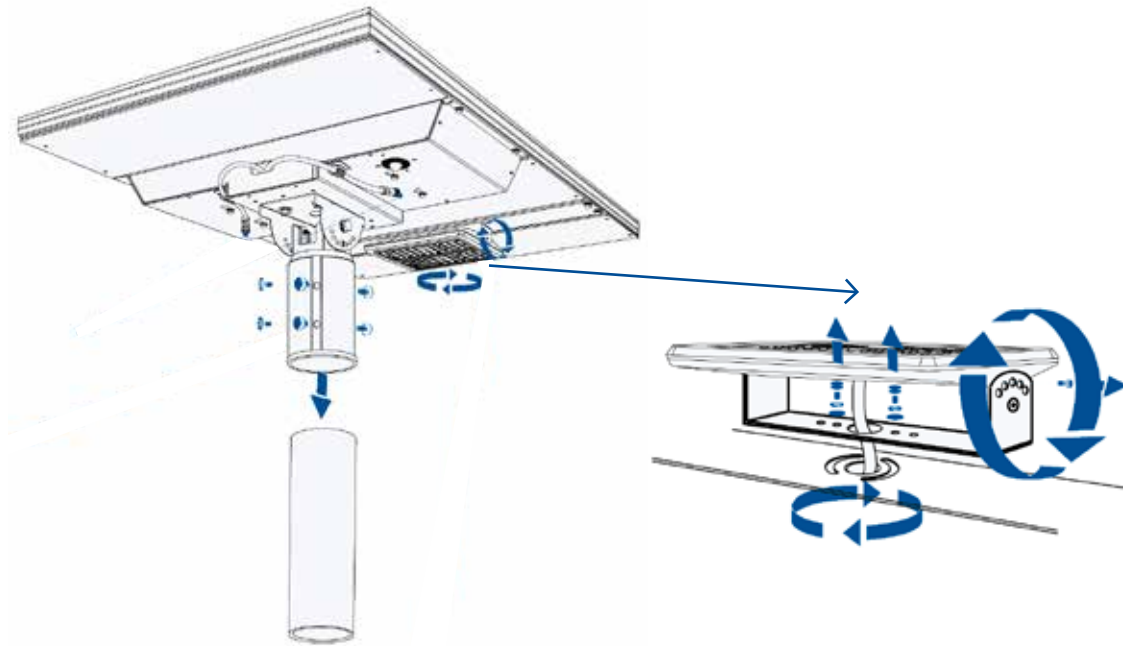
**DIMENSIONS**



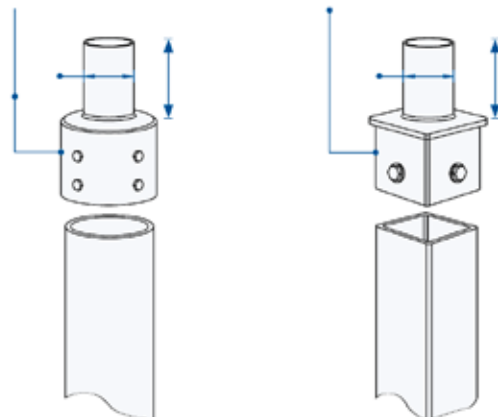
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**INSTALLATION ACCESSORIES**

**Mounting Sleeve**



**Tenon Adapter**



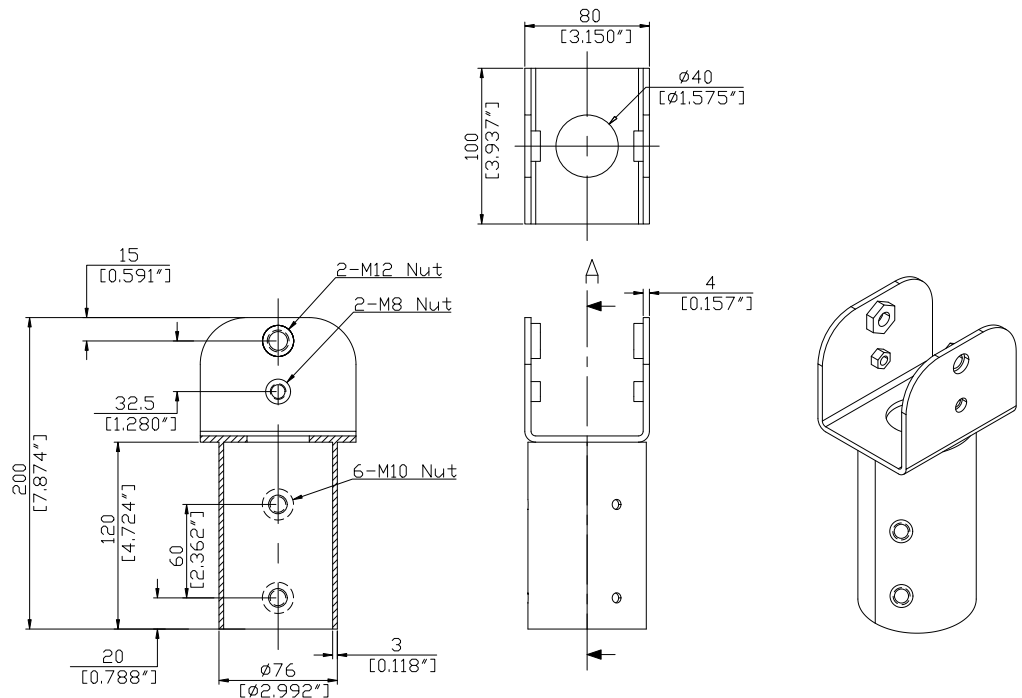
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**MOUNTING OPTIONS**



**Slip Fitter**

Part #: ZL-STC-A



**Mounting Sleeve**

Part #: ZL-STC-B

