

# INSTALLATION INSTRUCTIONS

## SL-SAL-OG-30W-50K-SF-G1



### Off-Grid Area Light

**READ CAREFULLY BEFORE INSTALLING THE FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

Fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.

#### STEP 1: Take out the fixture and the tools from the package.

Please be sure to check that everything is in the box

BOX 1



1 x Remote (CU-ALL2)



2 x AA Batteries



1 x Manual



1 x 5mm allen wrench



1 x 6mm allen wrench



1 x Solar Panel Base



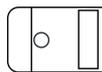
*\*(3 set screws pre attached to top of fixture, remove and reinstall once solar panel base is placed)*



BOX 2



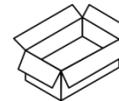
1 x Fixture



1 x Slipfitter

*\*(4 set screws pre attached)*

BOX 3



1 x Solar Panel

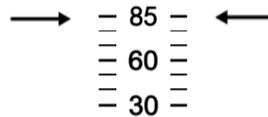


*\*(2 set screws included in Box 1, attaches to the solar panel hinge)*



#### STEP 2: SLIPFITTER MOUNTING

a. Adjust the angle of the fixture. Align the white lines w/ numbers and the arrows on the fixture. Loosen the screws and swivel the fixture to the desired angle, then re-tighten the screws.

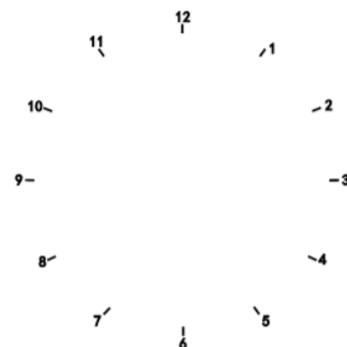


b. The slipfitter mounting fits a 2 3/8" O.D. tenon. Place the slipfitter over the tenon and secure the fixture with the two Set Screws on the side of the slipfitter.

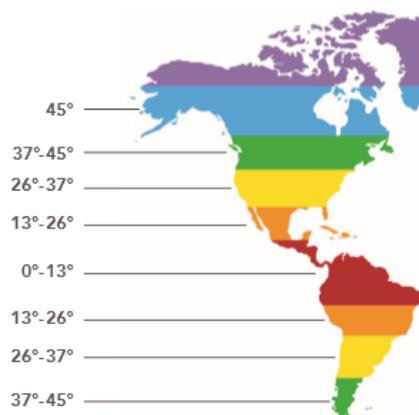
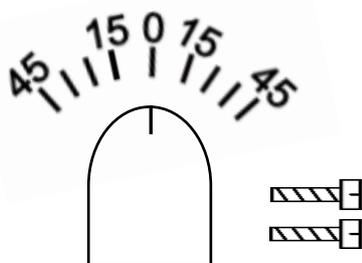


**STEP 3:** Adjust the solar panel base hinge. Use the marking on the solar panel hinge base to line up with the number on the fixture that best suites the installation.

For optimal results, always face the panel facing the equator. In the northern hemisphere, solar panels charge most optimally when installed facing South. West & East facing panels won't get as much light as a southern facing panel but will still collect good sunlight. A North facing panel will work, but it will take longer to charge than any other direction, meaning solar charging may be less than optimal in



**STEP 4:** Adjust the solar panel to the optimal angle for your location. for best results, use the same latitude angle of location that you are installing at. For example, Chicago is 45 degrees. Please refer to the image below for more info. Place the 2 set screws & tighten with pre attached washers. Set as close as possible. Use the line located on the top of the solar panel hinge to line up with the angle of your choosing.



**STEP 5:** Once the fixture is completely installed, plug the cable from the solar panel to the cable on the back of the fixture to activate the fixture. The light will turn on approximately 15-20 minutes after sunset has officially started.



## Introduction: Remote-Control



The default setting is Dusk 'til Dawn @80% First 2 hours, 50% constant & 80% w/ motion for the remainder of the night, \*remote does not need to be connected or adjusted if your lighting goals are met.

The remote connects to the fixture via IR and has up to 24ft of distance

The remote does not need to be connected to the fixture to operate! It is automatically set to the default

You may want to adjust the settings based off your geographical area to attain more solar powered operation, rather than pulling from the grid. We can change the settings by following the below:

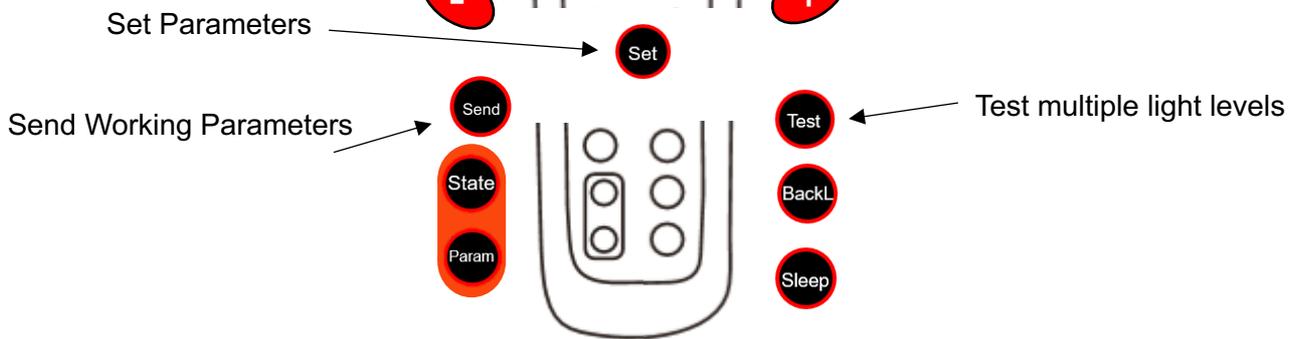
## Quick Start Guide

### Main Features

Start up the remote by clicking any button

- a. Menu page down
- b. Decrease the data

- a. Menu page up
- b. Increase the data



## Operating Modes

Click the SET button to set any parameters that are changed 

Once the parameters are set, click SEND. If successful you will hear a beep and see a 😊 face on the controller in the top right area of the screen. Make sure you are within 24ft and underneath the fixture to set.



1st Time: 2~15 hrs

Controls the Dawn start up time: The fixture must be set at 2 hours minimum, the motion sensor is disabled during this time.

1st Power: 0-100%

Controls the power output setting of the LEDs brightness for the first-time selection.

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If you would like to add motion sensing options, this can be done in the selections listed below, these time slots start to take effect after the 1<sup>st</sup> Time duration ends.

2nd Time: 0~ 15hrs

2nd Power: 0~ 100%

3rd Time: X

3rd Power: 0~ 100%

Time Duration begins after 1<sup>st</sup> Time Duration is complete, set hours and output you would like the light to behave when motion is sensed. The motion sensor will stay active for 30 seconds unless motion is still active

Default, please ignore

Set the power output when motion is idle during the 2<sup>nd</sup> Time duration, no motion detected output

M Time: X

M Power: X

Set Pre-Dawn Time 0 ~ 15 hours

Set Pre-Dawn Power 0~100%

\*The motion sensor is disabled during this period

\*You can leave the values 0 here, unless you would like a constant output added into the custom scheme



### Time Control Mode w/ motion

#### Default runtime scheme below.

Can be adjusted following instructions above

1<sup>st</sup> Time: 2

2<sup>nd</sup> Time: 12

3<sup>rd</sup> Time: X (Default cannot be changed)

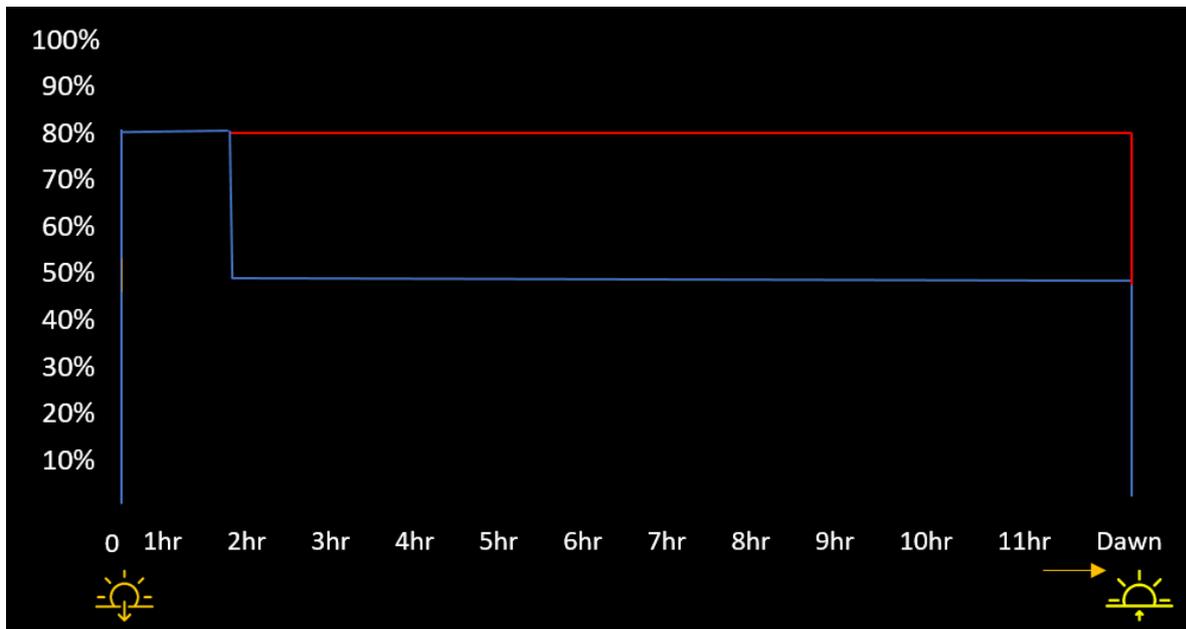
M Time: 0

1<sup>st</sup> Power: 80%

2<sup>nd</sup> Power: 80%

3<sup>rd</sup> Power: 50% (Applied to 2<sup>nd</sup> Time Power when idle)

M Power: 0%

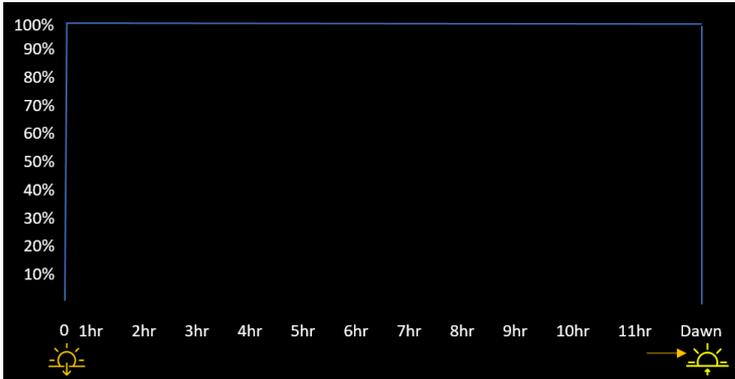


For the first 2 hours the product runs at 80% output, the next 12 hours after the first 2, it will run it at 50% idle & 80% when motion is sensed until dawn. The motion sensor output stays on for 30 seconds unless motion is still detected.



## Constant Control Mode

### 100% Dusk 2 Dawn



**1st Time: 14**

**1st Power: 100%**

2<sup>nd</sup> Time: 0

3<sup>rd</sup> Time: 0

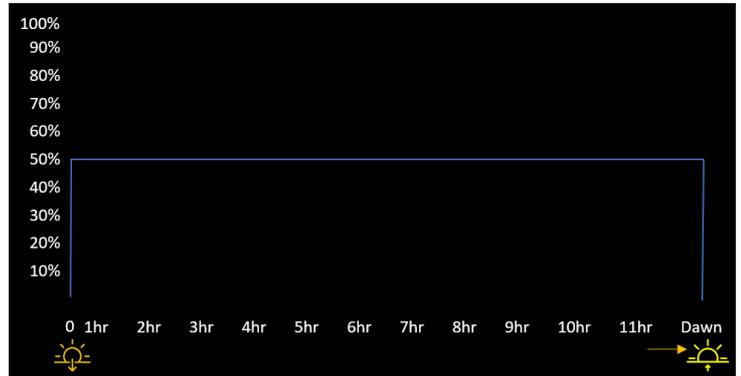
M Time: 0

2<sup>nd</sup> Power: 0%

3<sup>rd</sup> Power: 0%

M Power: 0%

### 50% Dusk 2 Dawn



**1st Time: 14**

**1st Power: 50%**

2<sup>nd</sup> Time: 0

3<sup>rd</sup> Time: 0

M Time: 0

2<sup>nd</sup> Power: 0%

3<sup>rd</sup> Power: 0%

M Power: 0%

FIXTURE	
Product Model	SL-SAL-OG-30W-50K-SF-BK-G1
Actual Power/ Lumen	30W / 5600LM
Dimension L x W x H	Main body: 16.33 x 10.5 X 3.15 in
LED rated life	>50,000 HRS
Mounting	Slip Fitter $\Phi$ 2 3/8 in
Working Mode	Default- 80% on for first 2 hours, after 2 hours runs 50% output, 80% when motion sensed until dawn
Color Temperature	5000K
Material	Aluminum Alloy + Polycarbonate
Charge Time	About 9-10 hours of good sunlight
Beam Angle/ Lens Type	140° Type 3 Optics
IP Rating	IP65
Recommended Install Height	10-25ft
Weight	30 lbs.
Warranty	3 YEARS
Packing	QTY/CTN: 1pc
Battery Charging Temp	Charging Temperature -4°F ~ 140°F
Discharging Temp	-40°F ~ 140°F
Fixture Operating Temp	-40°F ~ 140°F
Surge Protection	3kV
EPA Rating	4.45 ft <sup>2</sup>

BATTERY	
Battery Type	LiFePO4
Battery Charging Temp	-4°F ~ 140°F
Battery Discharging Temp	-40°F ~ 140°F
Replaceable Battery	YES
Charges	1000 Cycles
Charge Voltage	14.6V
mAh	23.4
W/h	300
Battery Weight	5.73 lbs.
Dimensions	8.27 x 4.72 x 3.15 in

SOLAR PANEL	
Solar Panel Type	Monocrystalline
Solar Panel Watt	50W
Solar Panel Voltage	12V
Solar Panel Adjustable	YES
Charging Time	7-10 Hrs.
Solar Panel Dimensions	15.75 *31*1.75 in
Weight	10.58 lbs.
Bi-Pass Diodes	Single Cell, no cutoff
Efficiency	18-21%

### Warning and Attention:

1. Before installation, please ensure the light pole foundation is solid enough to withstand the lighting fixture.
2. Position the lighting fixture to optimize its exposure to sunlight. Always face the equator if possible (solar panel to face south if in northern hemisphere for example).
3. In order to allow self-cleaning, please have a minimum angle of 10 degrees.
4. For best results, install on a day with optimal sunshine.
5. Adjust the angle of the fixture to optimize its exposure to sunlight, avoid north facing panels in the USA
6. The fixture is on and active once the solar panel is connected to the fixture's solar panel connector wire.
7. Please make sure the panel is installed under direct sunlight. The red light should be flashing, indicating that it is charging.
8. The lighting fixture will automatically turn on at night and turn off during daylight. The solar panel is the photocell.
9. Please select the right operating mode according to the local legislation needs and the local sunshine conditions.
10. The battery of the solar streetlight fixture will stop charging when the ambient temperature is below -4°F or above 140°F. The working temperature of the solar fixture is -40°F (-40°C) to +140°F (+60°C). When operating in an environment with a temperature lower than -40°F (-20°C), line voltage will kick in to operate the light.

