

# SL-SAL-30W SOLAR AREA LIGHT

## INSTALLATION AND USERS GUIDE



### PRIOR TO INSTALLATION, PLEASE READ THE ENTIRE INSTALLATION INSTRUCTIONS

These instructions only apply to the SL-SAL-30W including the OG or HYB version, G1 or G2.

#### WARNINGS

THIS LIGHT SHOULD BE INSTALLED BY A QUALIFIED PROFESSIONAL INSTALLER RESPONSIBLE TO ENSURE SAFE INSTALLATION, PROPER MAINTENANCE AND SAFETY CHECKS. NOT FOR EMERGENCY LIGHTING.  
NOT FOR USE IN ENVIRONMENTS WHERE EXPLOSIVE OR CORROSIVE GASES ARE PRESENT.  
NO USER SERVICABLE PARTS INSIDE FIXTURE. DO NOT DIS-ASSEMBLE OR MODIFY THE FIXTURE IN ANY WAY.

#### NOTES

THIS SOLAR FIXTURE COMES WITH A 5 YEAR WARRANTY AGAINST MANUFACTURING DEFECTS. THIS WARRANTY DOES NOT COVER PHYSICAL DAMAGE, WEAR AND TEAR OR IMPROPER OPERATION. WARRANTY DOES NOT COVER NORMAL BATTERY PERFORMANCE LOSS OVER TIME. SOLAR FIXTURE PERFORMANCE IS HEAVILY INFLUENCED BY THE ENVIRONMENT. SUNLIGHT LEVEL, EXTREME TEMPERATURES, SNOW, DIRT, AND PROGRAM SELECTION WILL AFFECT PERFORMANCE. FOR INSTALLATIONS WHERE LIGHTING IS REQUIRED AT ALL TIMES, THE SL-SAL-HYB HYBRID SOLAR AREA LIGHT SHOULD BE USED AND CONNECTED TO A RELIABLE POWER SOURCE.



## INSTALLATION REQUIREMENTS

MODEL	INSTALLATION	BASE	TEMPERATURE RANGE
SL-SAL-OG-30W-YYK-SF-XX-G1 SL-SAL-HYB-30W-YYK-SF-XX-G1 SL-SAL-OG-30W-YYK-SF-XX-G2 SL-SAL-HYB-30W-YYK-SF-XX-G2	INSTALL ON 2 3/8 INCH TENON. VERTICAL TENON PREFERRED. WEIGHT: 30 LBS. EPA: 4.45 Square Feet FOR HYBRID OPERATION, 120-277VAC, 50/60Hz IS REQUIRED (FOR SL-SAL-HYB ONLY). MAXIMUM POWER DRAW IS 0.4A.	2 3/8" SLIP FITTER	Operating Temperature: -40F to 140F  Battery Charge Temperature: -4F to 140F

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- MOUNTING BRACKETS AND HARDWARE
- 2 ALLEN WRENCHES

## PRE- INSTALLATION INSTRUCTIONS

### Pre-Installation Notes:

- 1) The lights come programmed to operate with a standard program. At sunset, the lights will come on for 2 hours at 80% constant output. After 2 hours, the lights will transition to sensor mode with 80% high and 20% low settings, 1 minute dwell time.
- 2) Confirm contents listed above.
- 3) Select a site that gets direct sunlight and is not blocked by trees, buildings, structures etc.
- 4) Confirm that no light sources will shine on the solar panel during the night-time hours. The solar panel functions like a photo-cell. If there is light on the solar panel, the LED lights will not come on.
- 5) The light needs 1-2 days to get on the proper charge/discharge cycle. Do not expect the best performance the first nights that the light is in operation.
- 6) Confirm that the pole is strong enough to support EPA and weight listed above. If any extreme, or abnormal conditions exist, please take these into account.
- 6) Review Solar Best Practice Guidelines on the Solera-Solar.com web site under Marketing Materials.



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### INSTALLATION INSTRUCTIONS

#### Installation:

- 1) Carefully remove light from packaging. Be careful not to damage the solar panel. Never place the solar panel on an uneven or rocky surface. Place it on a flat surface with a towel, blanket or other type of soft material for protection.
- 2) Remove any protective film or coverings from the light and sensor housing. When handling the light, do not apply pressure or weight to the sensor housing.
- 3) Pre-test the light by connecting 1 solar panel to the light fixture. Ensure that the 4 pin connectors are properly oriented as shown in the picture.
- 4) With the solar panel exposed to light, the red LED in the sensor window should be either on solid or blinking.
- 5) Cover or place the solar panel face down. The LED panel should turn on in about 1 minute.
- 6) Uncover or invert the solar panel so that it is receiving light. The light should turn off in about 1 minute. Disconnect the 4-pin connector.
- 7) Install the Base Bracket on the solar panel using the supplied bolts and lock washers as shown in picture on the right. Ensure that the panel cable fits through the bracket and does not get pinched during the installation.
- 8) Install the Main Bracket to the top of the light using 3 bolts with lock washers as shown in the picture on the right.
- 9) Pre-adjust the angle of the Main bracket so that the solar panel will be facing South when the light is installed.
- 10) Adjust the slip fitter to the desired angle by loosening the 2 bolts. It may be necessary to remove the bolts to allow further movement of the slip fitter. There are multiple holes for mounting to allow further adjustment.
- 11) Loosen the 4 locking screws on the sides of the slip fitter so that it is ready to be installed on the tenon.
- 12) Attach the solar panel base bracket to the main bracket using 2 long bolts and re-connect the 4-pin connector.
- 13) The light is now ready for installation.
- 14) The light is programmed to operate with the default program. The default program is set for the light to come on for 2 hours at 80% constant brightness. After 2 hours, the light will operate in sensor mode with a low setting of 20% and a high setting of 80%. Sensor dwell time will be set at 1 minute.
 

If a different program is required, please request a custom program from [techsupport@led-llc.com](mailto:techsupport@led-llc.com). Please provide a quick description of the desired operation, contact name, phone, email and mailing address. We will send a remote with a custom program and instructions on how to re-program the lights.
- 15) For the hybrid, the electrical connection will need to be made as the light is installed. Confirm that the power meets the requirement of 120-277 VAC, 50/60 HZ with appropriate surge protection in place. Prior to installation, ensure that the power is shut off and locked out. Ensure that all regulations and codes are met.



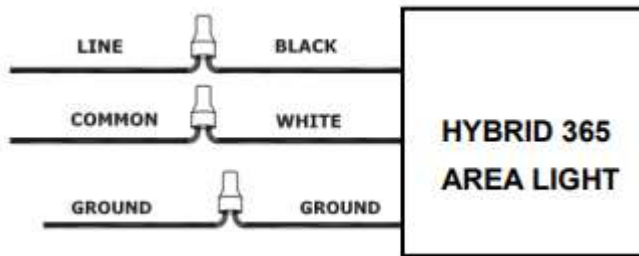
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## INSTALLATION INSTRUCTIONS

- 16) To install the light, place the slip fitter over the tenon and secure the 4 locking screws.
- 17) For the hybrid, please connect power to the light as shown below. Prior to connecting, please ensure that the power is shut off and locked out. It is up to the installer to ensure that all regulations and codes are met.
  - 1) Connect Black wire to Line
  - 2) Connect White wire to Common
  - 3) Connect Green wire to Ground



- 18) Make final adjustments to the fixture.
  - 1.) Adjust fixture orientation and tilt as required
  - 2.) Firmly tighten the locking and set screws on the slip fitter
  - 3.) Adjust the solar panel angle and tilt so that the panel is facing South, and is at a 35-45 degree angle.
  - 4.) Tighten all bolts.
- 19) Installation is complete. The light will come on at dusk.
- 20) Please allow 1-2 days for the light to charge and discharge and start operating consistently.

If assistance is required, please email [techsupport@led-llc.com](mailto:techsupport@led-llc.com) or call (847) 380-3540 and ask for Tech Support.



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