

SL-SAL-30W-G1 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 with the -G1 suffix.

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-XXK-SF-XX-G1 SL-SAL-HYB-30W-XXK-SF-XX-G1	INSTALL ON 2 3/8 INCH TENON. VERTICAL TENON PREFERRED. CONFIRM THAT POLE OR STRUCTURE WILL SUPPORT WEIGHT OF 30 LBS AND EPA OF 4.45. 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

CONTENTS

- LIGHT FIXTURE
- SOLAR PANEL
- REMOTE CONTROL WITH BATTERIES
- 2 MOUNTING BRACKETS AND SCREWS
- 2 ALLEN WRENCHES

PRE- INSTALLATION INSTRUCTIONS

Pre-Installation Notes:

- 1) Confirm contents listed above.
- 2) Select a site that gets direct sunlight and is not blocked by trees, buildings, structures etc.
- 3) 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.
- 4) 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.
- 5) Confirm that the pole is strong enough to support EPA 4.45 SF, and a weight of 30 lbs. 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.

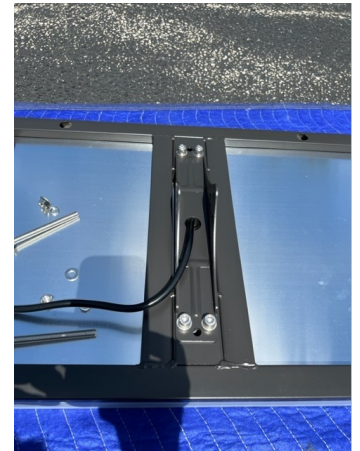


FREE TO SHINE

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 the 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 either on 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 is fit 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.
- 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 and ensure that that it is securely tightened.
- 13) The light is now ready for installation.
- 14) Prior to installation, ensure that the light is programmed following the instructions on the next page. For multiple light installation, the program only needs to be set up on 1 remote control. Each light can be programmed by pressing the "send" button. Do not press other buttons, such as State or Param, as this may over-write the settings.
- 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 - Programming

16) Program the Light and Confirm Parameter selection. Place the assembled light on its side so that the remote can be pointed at the sensor window. Use the + and – buttons and set button to adjust parameters. When all parameters are entered, point the remote at the light and press “Send” to transmit settings to the light.

The remote control has 2-way communication with the light. There is a short delay before the remote confirms communication with a smiley face in the top right corner. The sad face indicates that communication did not go both ways.

The remote control is not paired to the light. It will work with any –G1 light. The remote can re-program the light, so it is important to identify and ensure that the proper remote is used for programming.

The 30W and 50W lights have different LED Current settings (Parameter L). Do not use a remote for a 30W light with a 50W light or vice versa. This could cause shorter battery life on the 30W light, or lower light output on the 50W light.

If the remote is locked (lock icon in top left corner of display, see picture on right) then holding down the “-” key and the “Sleep” key for about 3 seconds will unlock the remote.

The remote signal may be affected by strong sunlight. If the remote is not connecting to the light, try shading the remote from the sun, getting closer to the sensor window, also ensure that the remote is pointing straight to the sensor window.

Remote Control Parameter Settings:

Recommended Settings:

- a Bat Type : Li 12V
- b 1st Time : 2H
- c 1st Power : 80%
- d 2nd Time : 14H
- e 2nd Power : 80%
- f 3rd Time : 0H
- g 3rd Power : 20%
- h Mor Time : 0H
- i Mor Power : 0%
- J L-Con-V : 5V

Description:

- Battery Type : Only use Li12V* (do not adjust)
- Constant Run Time (No sensor)
- Constant Power Setting
- Bi-Level Time – sensor in use
- High / Active Power Level (Motion Detected)
- Not adjustable – same as 2nd Time
- Idle power level. For constant power, set the same as 2nd Power
- Run after sunrise – additional time in the Morning
- Power Output in Morning
- SAL Solar panel voltage to stop charging battery OK to increase up to 10V.
Increasing will cause the light to turn on earlier.
- SAL LED Dwell time after motion detected
- Use 0.63A in 30W SL-SAL
- Smart Power : Do not turn-on
- Battery charging below 0 degree C
- Battery Charging Method
- Battery Over Discharge Voltage
- Battery Over Discharge Voltage return
- Battery Over Charge Voltage
- Battery Over Charge Voltage return
- Switch to Grid Power (Hybrid only)
- This Function is disabled

- k L-Con-DT : 1M
- l LED-Cur : 0.63A
- m Smart Pow : No
- n 0°C-Chg-P : Yes
- o Chg-Mode : 0
- p Over-DV : 10.2V
- q Over-DRV : 11.6V
- r Over-CV : 14.4V
- s Over-CRV : 13.4V
- t AC-SW-V : 11.2V
- u Re-Def It : No

* Some settings are locked out on the remote control





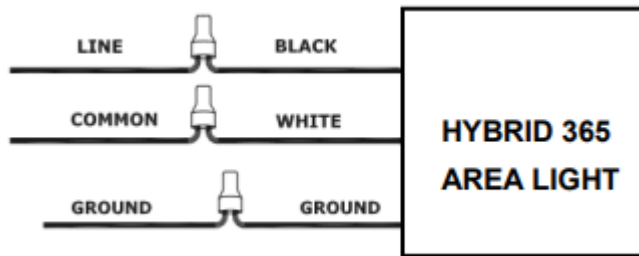
INSTALLATION INSTRUCTIONS

17) To install the light, place the slip fitter over the tenon and secure the 4 locking screws.

18) For the hybrid, the electrical connection will need to be made as the light is installed.

Ensure that the power is shut off and locked out. 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



19) 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.

20) Installation is complete. The light will come on at dusk.

21) 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 or call (847) 380-3540 and ask for Tech Support.

