

INSTALLATION INSTRUCTIONS

SL-SAL-HYB-30W-40K-SF-G1



Hybrid 365 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: REMOVE THE CONTENTS FROM ALL 3 BOXES

Please be sure to check that everything is in the box

1 x Remote (CU-ALL2)
2 x AA Batteries
1 x Manual
1 x 5mm allen wrench
1 x 6mm allen

1 x Fixture
1 x Solar Panel

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

1 x Slipfitter

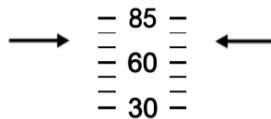
*(4 set screws pre attached)

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.



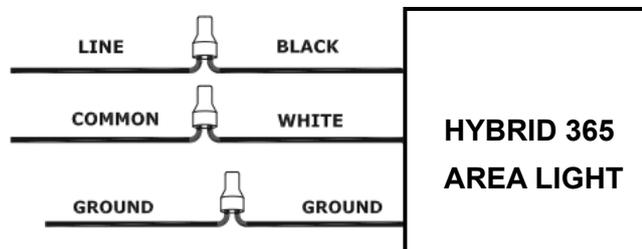
b. The slipfitter mounting fits a 2 3/8" O.D. tenon. Place the slipfitter over the tenon and secure the fixture with the two set screws on the side of the slipfitter.



STEP 3: WIRING THE FIXTURE

The fixture permits operation at 120V thru 277V, 50 or 60 Hz

- Connect the black wire to the line
- Connect the white wire to the common
- Connect the green wire to ground



STEP 4: ADJUST SOLAR PANEL DIRECTION

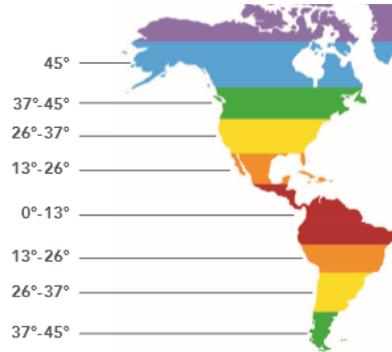
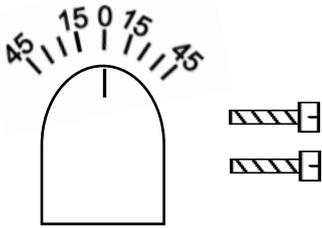
Adjust the solar panel base hinge.

Use the marking on the solar panel hinge base to line up with the number on the fixture that best suits the installation. For optimal results, 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 installations facing this way.



STEP 5: ADJUST SOLAR PANEL TILT

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° latitude. Please refer to the image below for more info. Place the 2 set screws & tighten with pre attached washers. Use the line located on the top of the solar panel hinge to line up with the angle of your choosing.



STEP 6: CONNECT SOLAR PANEL TO FIXTURE

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.



The HYBRID 365 Fixture will pull from line power when the battery gets to <20%. This is to conserve the longevity of the battery.

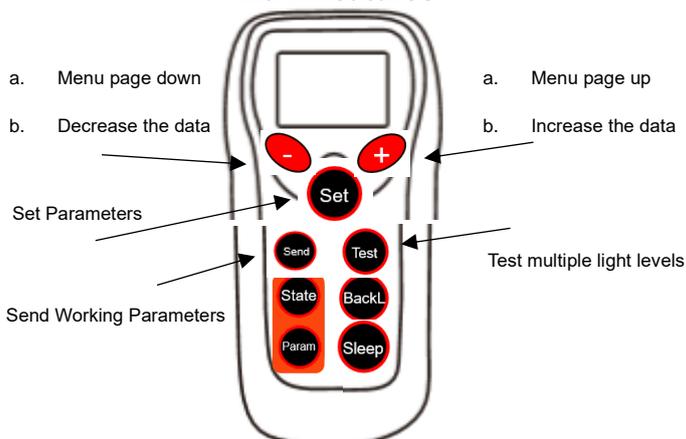
Introduction: Remote-Control



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.

Quick Start Guide

Main Features



Start up the remote by clicking any button

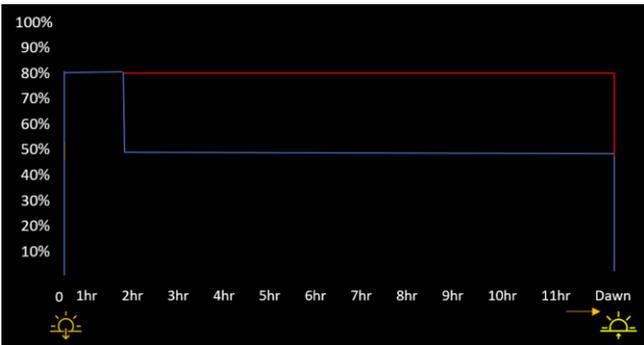
- The remote connects to the fixture via IR and has up to 24ft of distance
- The remote does not need to be connected to the fixture to operate! It is automatically set to the default
- You may want to adjust the settings based off your geographical area to attain more solar powered operation, rather than pulling from the grid. We can change the settings by following the below:

Operating Modes



Default

Runtime scheme below



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.

*How it displays in the remote settings below, can be adjusted.

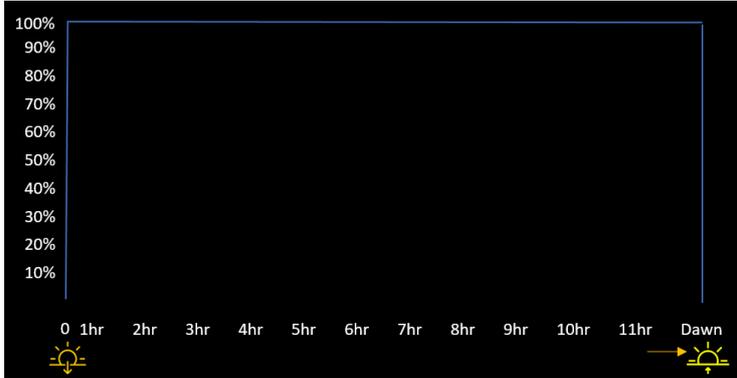
1st Time: 2 2nd Time: 12 3rd Time: X (Default cannot be changed) M Time: 0
 1st Power: 80% 2nd Power: 80% 3rd Power: 50% (Applied to 2nd Time) M Power: 0%
 Power when idle



Constant Control Mode

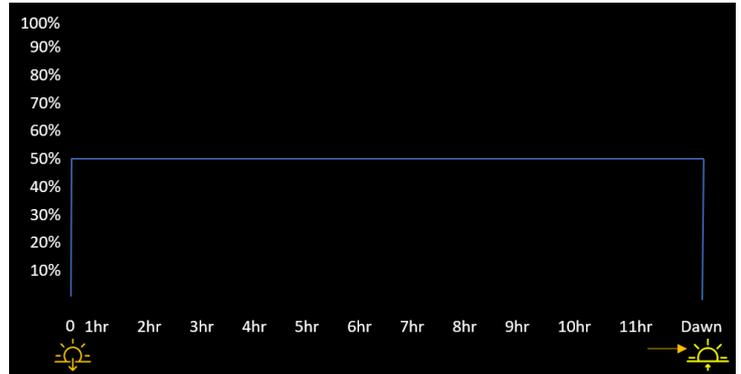
Replace the data in the remote with the fields below to obtain alternate schemes

100% Dusk 2 Dawn



1st Time: 14 2nd Time: 0 3rd Time: 0 M Time: 0
 1st Power: 100% 2nd Power: 0% 3rd Power: 0% M Power: 0%

50% Dusk 2 Dawn



1st Time: 14 2nd Time: 0 3rd Time: 0 M Time: 0
 1st Power: 50% 2nd Power: 0% 3rd Power: 0% M Power: 0%

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

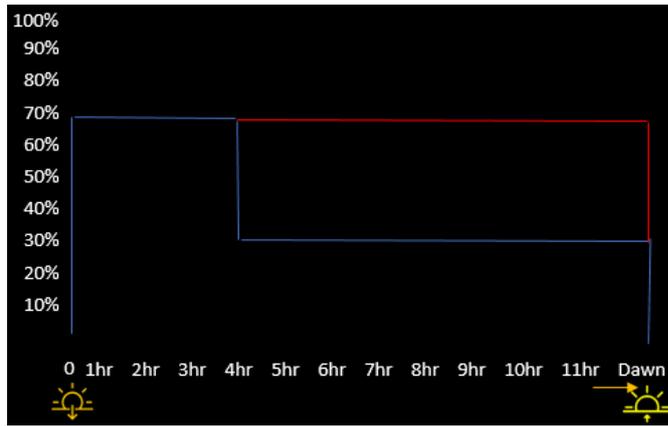
in the top right area of the screen. Make sure you are within 24ft and underneath the fixture to set.



Time Control Mode w/ motion

1st Time: 2~15hrs 1st Power: 0-100%	Controls the Dawn start up time: The fixture must be set at 2 hours minimum; the motion sensor is disabled during this time. Controls the power output setting of the LEDs brightness for the first-time selection.
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 1st Time duration ends.	
2nd Time: 0~15hrs 2nd Power: 0~100%	Time Duration begins after 1st Time Duration is complete, set hours and output you would like the light to behave when motion is sensed. Controls the power output setting of the LEDs brightness for the first-time selection.
3rd Time: X 3rd Power: 0~100%	Default, please ignore Set the power output when motion is idle during the 2nd Time duration, no motion detected output
Add Dawn Constant M Time: X M Power: X	*The motion sensor is disabled during this period Set Pre-Dawn Time 0 ~ 15 hours Set Pre-Dawn Power 0~100% *The motion sensor will stay active for 30 seconds unless motion is still active

Examples Custom Modes



1st Time: 4 2nd Time: 10 3rd Time: X M Time: 0
 1st Power: 70% 2nd Power: 70% 3rd Power: 30% M Power: 0%

Change the **1st Time**: 4 hours. After 4 hours is selected, click SET. This will create a time slot that runs for 4 hours.

Change the **1st Power**: Adjust the output to be 70%, then click set

Change the **2nd Time**: Put 10 hours here to insure a full night of coverage. The light automatically turns off when the sun rises. After 10 is inputted click SET.

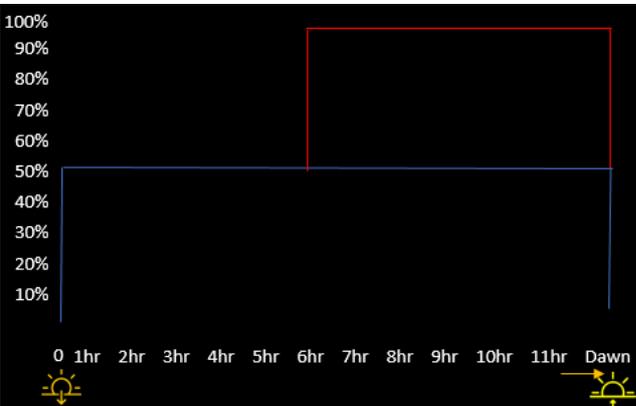
Change the **2nd Power**: Remember this is the power that the light will be at during the 2nd Time duration when motion is sensed. Set it here for 70%. Click SET after adjusting.

Change the **3rd Time**: This is not changeable. Please disregard

Change the **3rd Power**: This applies to the 2nd Time and is the power at which the light outputs at as a constant during the 10-hour period set for 2nd Time. When the fixture is idle, I want it to run at only 30%. Change to 30% and click SET

M Time and M Power we are leaving alone here because we do not need a constant output scheme added at the end before it turns off in the morning automatically. This is 0 for both.

Once the parameters are all set click **SEND** to send new scheme to the HYBRID 365 Fixture



1st Time: 6 2nd Time: 8 3rd Time: X M Time: 0
 1st Power: 50% 2nd Power: 100% 3rd Power: 50% M Power: 0%

Change the **1st Time**: 6 hours. After 6 hours is selected, click SET. This will create a time slot that runs for 6 hours.

Change the **1st Power**: Adjust the output to be 50%, then click SET.

Change the **2nd Time**: We should put 8 hours here to insure a full night of coverage. The light automatically turns off when the sun rises. After 8 is inputted click SET.

Change the **2nd Power**: Remember this is the power that the light will be at during the 2nd Time duration when motion is sensed. I set it here for 100%. Click SET after adjusting.

Change the **3rd Time**: This is not changeable. Please disregard.

Change the **3rd Power**: This applies to the 2nd Time and is the power at which the light outputs at as a constant during the 8-hour period set for 2nd Time. When the fixture is idle, you want it to run at only 50%. Change to 50% and click SET.

M Time: and M Power: We are leaving this alone here because we do not need a constant output scheme added at the end before it turns off in the morning automatically. This is 0 for both.

Once the parameters are all set click **SEND** to send new scheme to the HYBRID 365 Fixture.

BATTERY	
Battery Type	LiFePO4
Battery Charging Temp	-4°F ~ 140°F
Battery Discharging Temp	-40°F ~ 140°F
Replaceable Battery	YES
Charges	2000+ 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

FIXTURE	
Product Model	SL-SAL-HYB-30W-40K-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 Φ 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	4000K
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	5 YEARS
Packing	QTY/CTN: 1pc
Battery Charing 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 ft2

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 an operating mode according to the local legislation needs and the local sunshine conditions.
10. The battery of the HYBRID 365 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.