



Solar Illuminations

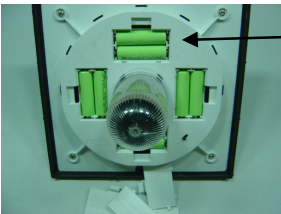
USA & Global: www.solarilluminations.com Email: sales@solarilluminations.com
UK & Ireland: www.solarilluminations.co.uk Email: sales@solarilluminations.co.uk

SOLAR 'REGENCY' SERIES (PRODUCT CODES: PL05, PL06, PO01 & WL01)

GENERAL TROUBLESHOOTING GUIDE

This solar powered accent light requires several hours of full direct sunshine each day, for the batteries to obtain a full charge. Therefore it needs to be installed in a location that receives full direct sunshine. Full shade all day is not acceptable and shade for part of the day can have an adverse effect. Illumination time can vary and is subject to many factors including your geographic location, installation location, weather conditions and seasons. Illumination times will therefore vary of up to 6 hours or more, in optimum conditions. The LED's never need replacing and the illumination output is equal to approximately 15-20w of regular lighting or about 120 Lumens, at source.

IMPORTANT: BEFORE INITIAL USE, THE LIGHT MUST BE PLACED IN FULL DIRECT SUNSHINE FOR AT LEAST 2-3 DAYS WITH THE ON/OFF SWITCH IN THE 'OFF' POSITION. THIS PROCEDURE ALSO APPLIES WHENEVER THE BATTERIES HAVE BEEN STORED FOR SOME TIME AND WHENEVER NEW BATTERIES HAVE BEEN INSTALLED.



TESTING THE BATTERIES

It is easy to check and test the batteries with a simple battery tester or a volt meter. If a battery is fully charged it should read GOOD on a battery tester and read between 1.2v dc & 1.4v dc on a volt meter. Be sure to set your volt meter to a low DC setting. The battery terminals and battery ends must be clean and clear of any deposits. Now and again the batteries and battery terminals in all solar lights should be inspected and cleaned as necessary. Checking and testing the batteries is obviously the first check to be made when troubleshooting any solar light because without a good power source, the solar light cannot illuminate.



DISCHARGED BATTERY



CHARGED BATTERY

BATTERY REPLACEMENT

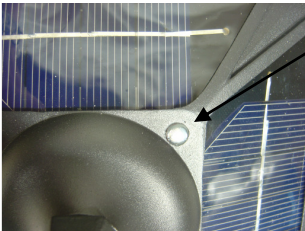
Battery replacement is recommended every 2-3 years. Use identical batteries, exactly as supplied with the original. Do not increase the capacity (as shown in mA (Milliamps)). The PL05, PL06, PO01 & WL01 lights generally use a AA size Ni-Mh battery of 1000mA capacity. The failure rate of a new AA battery is around 1 in every 10,000+. Therefore, it's very rare to find 1 truly defective new battery and near impossible to have 8 truly defective new batteries in any single light. Do not dispose of any batteries in regular trash. This will pollute the environment and take thousands of years to rot away! Please recycle.



CHARGED BATTERY

UNDERSTANDING THE PHOTOCELL (LIGHT SENSOR)

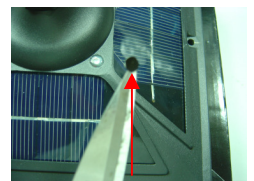
On the top lid section of the lampshade, just above the solar panels you will see a small clear/white round disc. It is about 1/4" (5mm) in diameter. This is the photocell. It is a very sensitive light sensor that automatically controls when the light comes on and when it turns off. The light will not illuminate at night time if the location has too much ambient lighting or if there are any other nearby lighting sources such as street lights, house lights, porch lights, security lights or parking lot lights.



TESTING THE PHOTOCELL

The photocell can be easily tested. If your light is not coming on at night time and you have confirmed that all of the batteries are fully charged, then you can place some layers of black electrical tape or duck tape to completely cover over the tiny photocell, at NIGHT TIME, to see if the light switches on. If it does then you know the photocell is simply being affected by strong ambient lighting or a nearby lighting source. At this stage you have identified that there is nothing wrong with the light and you will need to consider one of the following:

1. Adjusting the top lid of the lamp so that the photocell faces the other direction.
2. Switch off the offending nearby light source.
3. Cut out a small section of black electrical tape or black duck tape in a circular shape just a little smaller in size than the photocell. Then place the tape onto the photocell so that it is only partially masked, and leave it there. This usually helps to solve this problem by reducing the sensitivity of the photocell so that it doesn't react to nearby lighting sources.



READY TO MASK PHOTOCELL



PHOTOCELL PARTIALLY MASKED

It is essential that all troubleshooting efforts have been made in an attempt to resolve any problem before a return is made. Less than 1% of the solar lights that we sell, are returned for one reason or another. However, 80% of those returns that are claimed to be 'defective' are found to be working perfectly once we have inspected and tested them. There is a \$50 technician's fee charged (plus shipping) for any return that is found to be in normal working order.

**SOLAR ILLUMINATIONS TECHNICAL SUPPORT IS AVAILABLE
EVERY THURSDAY, 10AM TO 4PM EASTERN TIME, AT: 239-461-5520**