



## ASSEMBLY AND OPERATING INSTRUCTIONS

### HOW YOUR SOLAR GARDEN ACCENT LIGHT WORKS

During the day, the solar panel collects sunlight and converts it into electrical power stored in the rechargeable battery(ies) included. At night, the photocell (light sensing device), sensing the absence of light, turns on the solar garden accent light using the electricity stored during the day. The more sunlight the fixture gets, the stronger the charge will be and the longer your fixture will illuminate at night.

All Moonrays® solar garden accent lights utilize LED (light emitting diode) technology to provide light. A LED is a highly efficient source of light compared to other types of bulbs and they do not need to be replaced. On average, a LED will last approximately 100,000 hours or more.

### CHOOSING THE RIGHT LOCATION FOR YOUR FIXTURE

1. Install in a location that gets a full day of direct sunlight. Do not install in a shady area.
2. The fixture should receive a minimum of 8 hours of sunlight per day for optimal performance at night.
3. Be sure that the location is not near nighttime light sources such as street lights or porch lights. These light sources may cause the photocell to turn the fixture off.
4. Solar fixtures work independently of each other and there is no wiring necessary. They may be installed as far apart as needed.

### ASSEMBLY AND INSTALLATION

Install this fixture on a flat firm surface only (deck, concrete)

1. Remove all contents from box.
2. Many fixtures will ship with a thin protective film over the solar panels. Gently remove film from the panel(s).
3. Each fixture has an AUTO/OFF switch. Before installing push the switch located on the bottom of solar panel to the AUTO position.
4. Select the desired installation location. Using the base, mark the location for the mounting holes.
5. Drill the mounting holes and fix the lamp base using supplied screws.
6. Install next pole onto the base using supplied 3 nuts and L shape wrench.
7. Assemble remaining 2 poles by twisting clockwise.
8. Secure lamp onto assembled post section twisting clockwise. Lamp motion sensor will work on a range of 5m distance and an angle of 160 degree in horizontal.

### TROUBLE SHOOTING TIPS

If your solar garden light does not turn on at night, it may be caused by one of the following conditions:

1. **Batteries not fully charged:** Make sure the fixture is placed in an area where the solar panel gets the maximum amount of full, direct sunlight everyday. If the solar panel does not receive enough sunlight during the day (e.g. due to cloudy or overcast weather conditions), it will be recharged on the next sunny day and resume operation.
2. **Other light sources:** If your solar garden light is located too close to street lights, porch lights or other lights, the photocell (light sensing device) may turn off the fixture. Relocate the fixture or eliminate those other light sources.
3. **Not enough direct sunlight:** Ensure that the fixtures are not installed in a shady area, for example, in the shadow of a tree or a house. If necessary, move the fixtures to an area that gets full direct sunlight.
4. **Switch is not in AUTO position:** Push the switch when dark. The light(s) should come on when the switch is in the AUTO position.

### TO REPLACE BATTERIES

1. Remove lamp from post section by twisting counter clockwise.
2. Remove the screws located on the bottom of lamp and remove lamp head.
3. Disconnect the wired connector from battery.
4. Remove old battery and replace with new one using similar rating and type that the original fixture shipped with.
5. Reassemble fixture and secure screws.

**Caution:** Always dispose of recyclable batteries at the proper battery disposal facility. Do not dispose in fire or attempt to open sealed batteries. Use only the similar rating and type that original fixture shipped with.

If you have questions about your Moonrays fixture or need to contact our customer service team, please visit our website at:  
**www.moonrays.com**

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