

# SolaRight Wireless Step & Roadway Marker Light

## Installation Instructions



**Model YHYS**



## **Installation Instructions for Wireless Step & Roadway Marker Light**

### **For Proper Operation**

SolaRight Wireless Lighting's YHYS Step & Roadway Marker light is a self-contained lighting device using solar energy which is converted into electricity through solar cells and stored in a pseudocapacitor serving as the energy storage device in the daytime, turning the LED lights on in the nighttime automatically.

A full charge requires a minimum of 3 hours of direct sunlight or 6-8 hours on an overcast day. The lights will illuminate (discharge) up to 16 hours when the unit is fully charged.

While SolaRight products represent a huge advantage in solar technology, reliability and performance, the products still require consideration of sunshine availability for successful installations. In the case of questionable sun exposure, it is required to check the operation status of the light(s) by temporarily placing them in the area of installation without proceeding further with installation and follow these steps:

1. Place the light(s) on the intended site in the intended direction to be installed.
2. Check the operation status of the light(s) to determine if they turn on during the evening hours after a full charge.
3. If the light performs as intended, proceed with the installation process. If not, determine if there is a more suitable location allowing additional access to the sky.

### **Temperature**

This step and roadway marker light is resistant to varying weather conditions and operate within a temperature range from -40°F to 158°F. If installed in an area that experiences temperatures outside of this range, it may adversely affect the life of the product.

### **Chemicals**

The step and roadway marker light is designed to withstand normal wear and tear. The product will withstand water and salt, however, some chemicals such as solvents and acids can damage the unit housing (cast aluminum) and the lens (polycarbonate).



## Installation

1. Select the location for the light and ensure the surface is flat.
2. Once positioned, mark the location of the mounting holes where you will use 2 screws with a head size of 7/16" by a minimum of 1" in length. Length and type of screw will be determined by the mounting surface itself.
3. Removable Installation – (common in residential applications) it is recommended to simply put a bead of silicone on the underside of the aluminum housing and then install the 2 mounting screws accordingly.
4. Permanent Installation – (common in commercial/roadway applications) it is recommended you put an ample amount of epoxy on the underside of the aluminum housing and then install the 2 mounting screws accordingly.
5. Wipe away excess materials using silicone or epoxy manufacture's recommendations.
6. Installation Complete

### **SolaRight Lighting**

5600 North May Ave, Suite 100

Oklahoma City, OK 73112

P: 405.673.8684

E: [info@solaright.us](mailto:info@solaright.us)