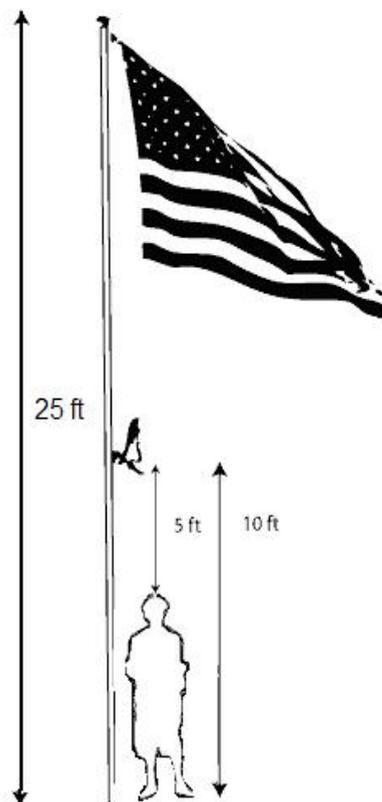


## The Liberty Light Instructions & User Guide

### GENERAL INFORMATION:

The Liberty Light, a solar-powered flag illuminating light, has been designed to mount onto a 2 to 3-inch diameter 20 to 25 foot in-ground flagpole. It can also be mounted onto a 1-inch diameter residential 5 or 6-foot flagpole when the mounting bracket is changed. The United States Flag Code states, "It is the universal custom to display the flag only from sunrise to sunset on buildings and on stationary flagstaffs in the open. However, when a patriotic effect is desired, the flag may be displayed twenty-four hours a day if properly illuminated during the hours of darkness". The Liberty Light provides the proper illumination for your flag.



## APPLICATION:

- Illuminate the United States flag

## FEATURES:

- Sun-powered
- No wiring necessary
- Energy-saving
- Fast and easy to install
- Up to 12 hours of illumination when fully charged
- Water resistant
- Mounts onto any flag pole from 1 to 3 inches in diameter

## TECHNICAL SPECIFICATIONS:

Model:	The Liberty Light
Batteries:	3x1500 mAh Ni-MH batteries
Solar Panel Size:	5"x3.25"---16.25 square inches
Solar Panel Output:	1.35W 5V
Illumination :	60 Lux Output
Lights:	LEDs rated to last for 20 years
Runtime:	Up to 12 full hours of illumination
Mounts:	-Mounts onto a flagpole up to 3 inches in diameter -Hardware also included to mount onto a 1-inch residential flag pole, which could be attached to porch, deck or front door
Warranty:	90-day full warranty

## PARTS:

Remove all components from the carton.

Please make sure that the contents include:

- (1) The Liberty Light
- (1) Polybag containing:
  - (2) One-inch hose clamps
  - (2) Three-inch hose clamps
  - (1) Mounting bracket for 1-inch residential pole

## **LIGHTING/MOUNTING INSTRUCTIONS:**

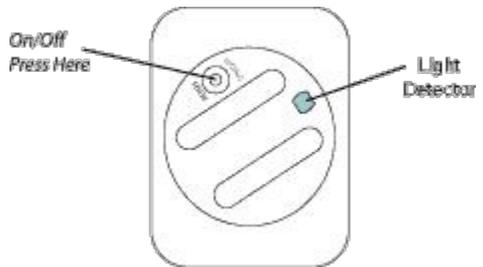
\* PLEASE REVIEW ALL FIVE STEPS PRIOR TO MOUNTING THE LIBERTY LIGHT.

Step 1:

### **TURN LIGHT ON.**

This light should work straight out of the box. On the bottom of the solar panel will be an ON/OFF switch and a light detector. Place your finger over the light detector to see if the light is working. The light should shine immediately. If there is no light, push the ON/OFF switch and repeat the procedure of covering the light detector.

Prior to mounting the light onto any pole, make sure that The Liberty Light is turned ON, and that you have REMOVED the cellophane cover from the solar panel.

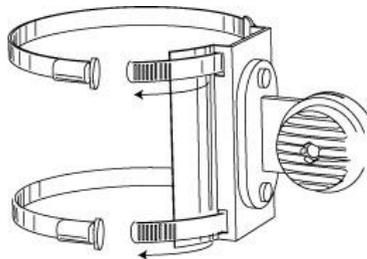


If the light does NOT turn on after the above step, please refer to question 3 in the Question & Answer section of this User Guide.

Step 2:

### **PLACE HOSE CLAMPS ONTO THE LIBERTY LIGHT.**

After selecting the flagpole you want to mount The Liberty Light to, carefully thread the appropriate hose clamps through the slots on the mounting bracket.

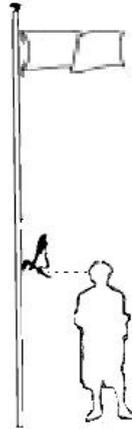


Note: If you are going to mount The Liberty Light onto a 1-inch residential flagpole, you will have to change the mounting bracket that is presently on the light. If you are going to mount The Liberty Light onto a 3-inch diameter, 20 to 25-foot flagpole, you do NOT need to change the mounting bracket.

Step 3:

**MOUNT THE LIGHT ONTO THE POLE.**

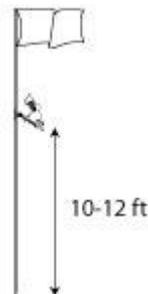
Attach The Liberty Light to the pole **AT EYE-LEVEL**. Secure the light to the pole by loosely tightening the hose clamps. You should still be able to move The Liberty Light up or down on the pole once it is attached to the pole.



Step 4:

**MOVE LIGHT TO MOUNTING POSITION.**

Slowly slide The Liberty Light up the flagpole. When the light is 10 to 12 feet off the ground, you should position and secure The Liberty Light to the flagpole. Position the arm with the solar panel toward the sun. Tighten the hose clamps.



Step 5:

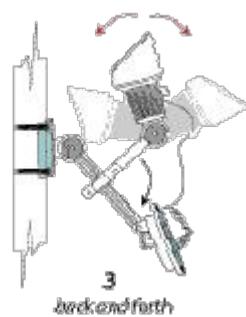
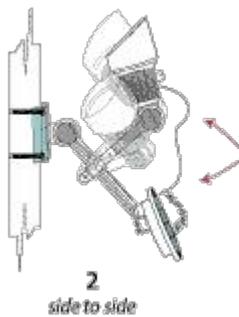
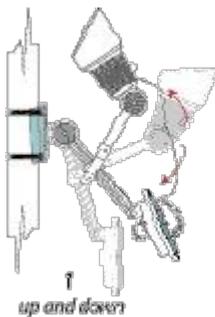
**POSITION THE LIGHT TO ILLUMINATE THE FLAG.**

Loosen the thumbscrews to move two different key parts - the light and the solar panel. Note that you can move the arm EITHER side to side, or back and forth.

First, move the light so that it is in an ideal position to illuminate the flag.  
Second, tighten the thumbscrew.

You can now position the solar panel for maximum sun exposure. Again, make sure all the thumbscrews are tightened, and that the hose clamps are tightened.

The sun's position moves throughout the year. It is recommended that you adjust the solar panel so that it is aimed at the sun during midday. You should adjust the solar panel for the changing sun location during the fall and spring seasons. This will assist in obtaining maximum solar charging of the batteries.



## General Questions and Answers About The Liberty Light

### **HOW EASY IS IT TO INSTALL SOLAR LIGHTING?**

Our products are very easy to install. Usually it is just a matter of opening the box, testing the light, and then mounting the product onto the pole. The Liberty Light is ideal for a 20 to 25-foot in-ground flagpole. Hardware is also included to mount on a deck or porch, to illuminate a flag on a 5 or 6-foot flagpole.

### **WHERE SHOULD I MOUNT THE LIBERTY LIGHT?**

The Liberty Light is ideal for a 2 to 3-inch diameter, 20 to 25 foot in-ground flagpole. The light should be mounted anywhere from 10 to 12 feet high, off the ground. Note that The Liberty Light can be mounted off a deck or pole for a 1-inch residential 5 or 6-foot flagpole, illuminating the flag from underneath. Ideally, the light should be roughly 5 to 6 feet away from the flag. Attach The Liberty Light onto the flagpole, utilizing both 3-inch hose clamps, so that the arm holding the solar panel is directed toward the sun.

### **WILL THE LIGHT WORK IMMEDIATELY AND WHAT IF IT DOES NOT?**

Test the light-utilizing Step 1 of the lighting/mounting instructions. Usually, our lights work straight out of the box. However, if the batteries are discharged or low upon receipt, we recommend that the light be left on to fully charge for one to two days before first use. Place the product in the OFF switch position until it has had its first initial charge. After this time the switch may be left on and the light will operate without further attention. Remove the cellophane cover, and just lay the solar panel in an area where it can gain direct sunlight.

## **HOW LONG WILL THE LIGHT ILLUMINATE FOR?**

This depends on many factors. Your geographic area, season, and weather conditions all affect solar-powered products. During most months throughout the year, there is sufficient sunlight to recharge the batteries daily. Only daylight conditions have a charging effect. The brighter and sunnier the weather, the more charge is applied to the batteries and the brighter and longer the light will illuminate. Ideally, The Liberty Light, when fully charged, should illuminate the flag for up to 12 continuous hours.

## **HOW BRIGHT IS THE LIGHT?**

Solar outdoor lighting uses batteries as the sole power source and the bulbs are usually one or more LED's trying to achieve a light output that is both as bright and long-lasting as possible, from one charge. Most solar lighting - which is utilized as accent or decorative lighting, has a typical light output between 1 to 3 watts. The Liberty Light (which is fitted with 2 LED's) is quite bright for a solar powered fixture, and their equivalent output is to that of a 60-watt light bulb, with a "white-colored" light. With many solar accent lights, the LED, when illuminating at nighttime, may appear white but with a very slight blue tint.

As solar lights generally do not produce as much light as electrically powered lights, better effects are noticed when located in an area without ambient light conditions. If you place The Liberty Light in a partially illuminated or well-lit area, then the effect of the light will not be as great. Therefore, the less ambient light, the better the effect and the more noticeable the results.

Here is a checklist to assist you with potential battery problems.  
Note that **90% of problems with solar lights are battery related.**

### **IS THE SWITCH ON?**

The Liberty Light has an ON/OFF switch. First, make sure the light is turned on. You can check if the light is working by going into a dark closet or room (assuming that the light is fully charged). If NOT, we would recommend that the light be left to fully charge for up to one to two days before first use. Place the product's ON/OFF switch in the OFF position until it has had its first initial charge. After that time, the switch may be left on and the light will operate without further instructions.

### **LOOSE BATTERIES?**

The Liberty Light has batteries, which are located on the back of the solar panel. Sometimes the batteries come loose, which results in no contact being made.

To check this, turn the solar panel over, and with a Phillips screwdriver, remove the bottom of the panel. Be sure to save the screws. Be very careful not to damage the circuit board or wiring **(don't pull all the way apart or you will break the wiring).**

If the batteries have become dislodged, simply push them firmly back into position and put the light back together (wipe them clean first).

### **FLAT BATTERIES OR A FAULTY SOLAR PANEL?**

At times it is difficult to determine whether there is a problem with the rechargeable batteries not holding their charge or if the solar charger is not working.

Again, remove the back of the solar panel per the instructions above. To test the batteries, replace one of the rechargeable batteries with one normal AA battery and test the light by covering the light detector on the back of the solar panel with a towel or something similar. Repeat that test with the other rechargeable battery.

If a rechargeable battery has failed, contact Valley Forge Flag and we will send out a replacement battery. Please note that you must only use rechargeable batteries in your solar light. The rechargeable batteries included with your light should last 1 ½ to 2 years and be easily replaced with new rechargeable batteries. Please try and use the latest models of rechargeable batteries. The Liberty Light should last easily through two to three battery changes.