

Solar Cap with Accessory Connect

Installation Notes

- Replace battery when required with 14500, 3.2V, 600 mAh, LiFePO4 (Lithium Iron Phosphate) battery.
- Do not use any other cap on top of the Solar Horse Cap Module, the solar module may not charge the battery properly.
- For troubleshooting see reverse side
- Visit lmtproducts.com/warranties for warranty details.

Step 1

Mount accessory light to post

- 1.1 Install accessory light onto the post.
- 1.2 For Dome Light use template below for hole placement. Run connector through 3/8" hole and install back plate with two screws included. Place the dome/lens portion of the light over the back plate at a slight counterclockwise angle **Figure 1.2**
- 1.3 Rotate cover clockwise to lock in place. **Figure 1.3**
- 1.4 For Stair/Side Light use template below for hole placement. Run connector through 3/8" hole and install lens with two screws included. Place either the full or half cover onto the lens by snapping into place. **Figure 1.4**
- 1.5 For Recessed Riser Light use a 7/8" Diameter Hole Saw. Run connector through hole. Place included cover onto lens and press assembly into hole.

Step 2

Connect to Solar Module

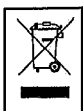
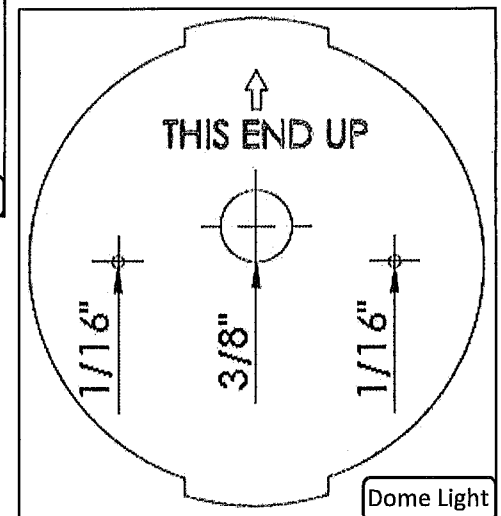
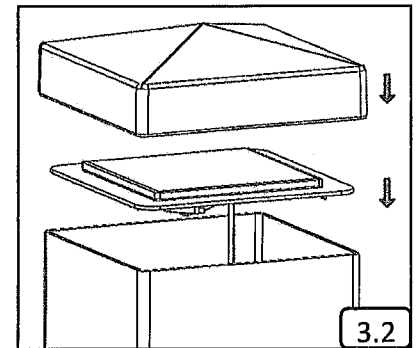
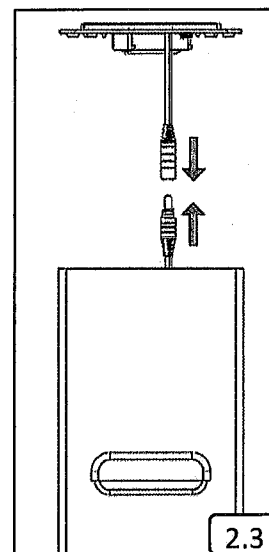
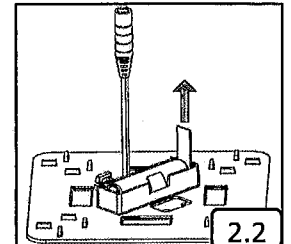
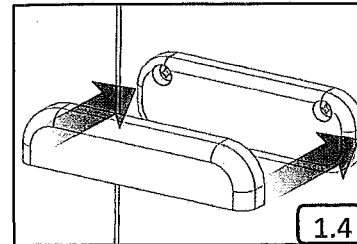
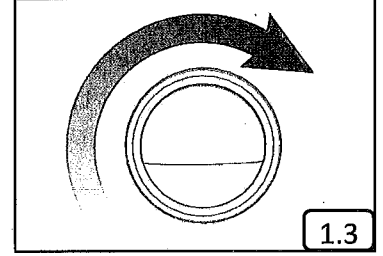
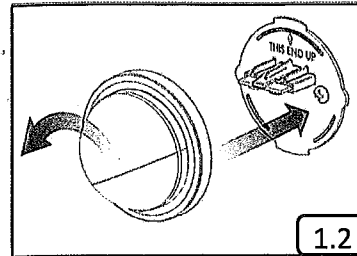
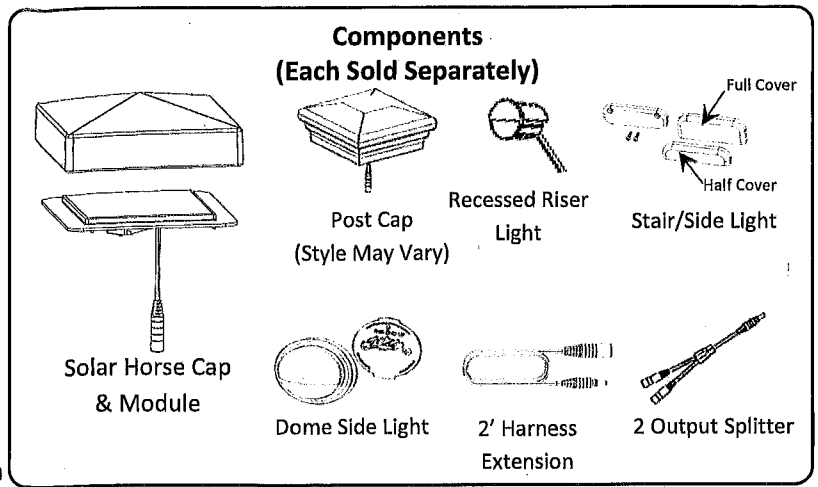
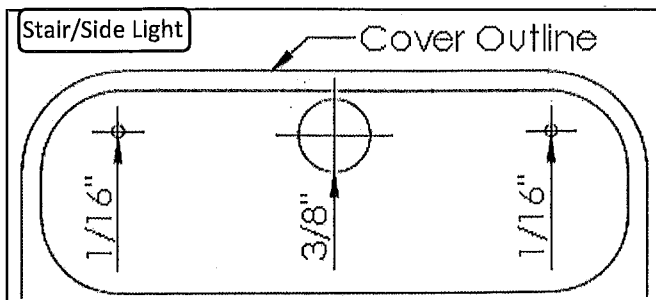
- 2.1 Run harness from accessory light to top of post.
- 2.2 Some cap/module designs include a pull tab on the battery, if tab is present make sure to remove. **Figure 2.2**
- 2.3 Plug the male connector from the light to the female connector on bottom of the solar module. Press firmly until the connection is fully engaged. **Figure 2.3**
- 2.4 If additional wire length is required, the 2' harness extension can be used between solar module and light. Using the 2-output splitter allows two lights to be powered by the solar module. (Maximum of 2 lights per module is recommended).

Step 3

Finalize Installation

- 3.1 Apply clear exterior silicone caulking* (not supplied) sparingly on the top four corners of the post.
- 3.2 Place Module/Cap on top of post. Solar Horse Cap shown in **Figure 3.2**

*Do not use permanent adhesive on the cap as it may need to be removed for battery replacement during the normal life of the product.



Please do not dispose of this product with your residential or commercial waste. Some countries or regions have set up systems to collect and recycle electrical and electronic waste items. Contact your local authorities for information about practices established for your region.

Solar Lighting Troubleshooting and Cleaning

Replacement Battery Specs

- IFR14500 (AA size)
- LiFePO4 3.2V
- 600mAh or higher

Solar Lighting Tips

- Solar lights require sunlight to charge. Reduced performance may result from placing in a shaded area. Upon installation, lights may need to charge for a day in ample sunlight before regular use.
- To ensure best results, install lights away from outdoor lights, large windows, and night-vision (infrared) cameras.

General Instructions

Testing Battery and Connection

- 1.1** Ensure battery tab is pulled. Remove and re-insert battery, ensuring spring is compressed, not crushed under battery. Light should function properly when upside-down on a tabletop or placed in darkness. If not, battery may not be sufficiently charged or require replacement. Continue to 1.2.
- 1.2** Remove the battery from a known working light and replace the battery in the light in question with it. Light should function properly when upside-down on a tabletop or placed in darkness. If the light works, the original battery may not be sufficiently charged or require replacement. Continue to advanced steps for further troubleshooting or contact original retailer for additional guidance.

Advanced Instructions

Testing Battery and Solar Module (Multimeter required)

- 2.1** Follow General Instructions for initial troubleshooting. To verify battery is charged, use a multimeter to test DC Voltage. Test probes should touch both the negative and positive battery contacts. Reading of a charged battery (able to provide power to light) is approximately 3.2V. If battery reads under 3.2V, place battery back in light and allow light to sit in sunlight for a few hours. Verify battery is charging by checking for higher output voltage. If battery is not charging, light may be in too shaded of an area, or there may be a poor battery connection.
- 2.2** If battery is not charging OR battery is charged and light is not coming on while in complete darkness, perform the following steps: Turn light upside down and remove battery. Using a multimeter, place the negative (black) probe on the spring contact and the positive (red) probe on the flat contact. Test for resistance (Ω). The light should read approximately 8 M Ω or higher. If significantly lower, the solar module may be faulty. Contact original retailer for further guidance or replacement.

Solar Terminal Cleaning and Protection

For Already Corroded Terminals

- 3.1** Remove battery from solar module. Mix 1 tbsp. baking soda with 1 cup of water. Use a toothbrush or small brush to scrub terminals, removing buildup. Wipe cleaned terminals with damp cloth and dry. Follow below steps to prevent future corrosion.

Protection for Cleaned Terminals and New Installs

- 3.2** Remove battery from solar module. Using a cotton swab or finger, dab a bit of petroleum jelly or di-electric grease on both battery terminals and rub around. This will help prevent corrosion and enhance the connection between battery and light.