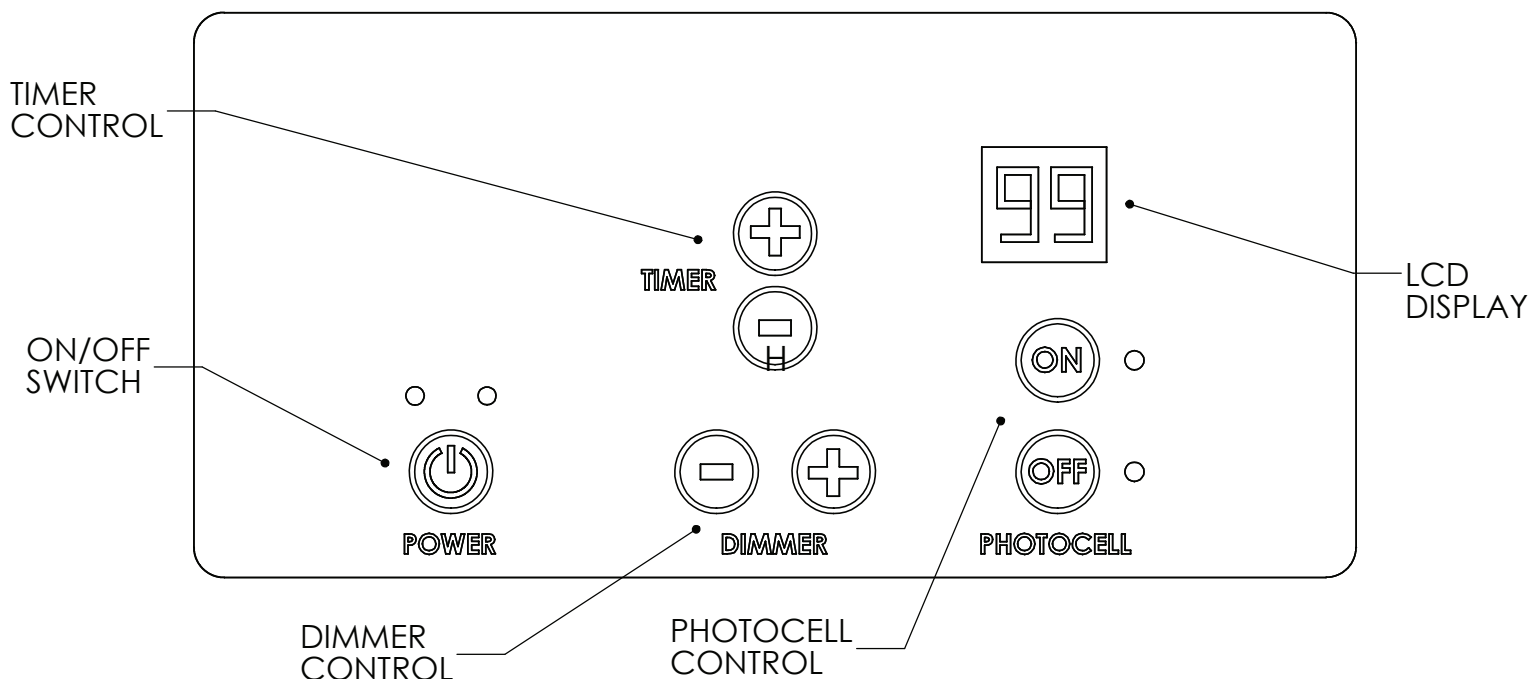
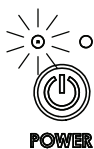


LOW VOLTAGE DC TRANSFORMER



ON/OFF SWITCH:

When green light is illuminated the transformer is powered on. The LED lights may or may not be on depending on the timer or photocell settings.



When red light is illuminated the transformer is powered off and no other controls will function.



PHOTOCELL CONTROL:

To turn on the Photocell, press the ON button, the green light by the ON button will be illuminated. **NOTE: The Photocell has a 2 minute delay.** The transformer will now operate according to the timer and photocell. (See below.) To turn off the Photocell, press the OFF button, the red light by the OFF button will be illuminated. The LED lights will now be ON continuously.



TIMER CONTROL AND LCD DISPLAY:

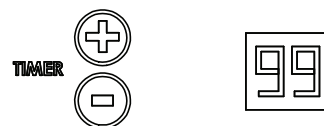
When the Photocell is OFF, the LCD Display will show **99**. The LED lights will be on continuously, unaffected by the photocell.

-For dusk to dawn operation of the LED lights (controlled by the Photocell):

Ensure the Photocell is ON. Press the Timer control **+** (plus) button until the LCD Display shows **99**. **NOTE: The Photocell has a 2 minute delay.**

-For Timer operation (LED lights turn on at dusk and turn off from 1 to 9 hours in 1 hour increments):

Ensure the Photocell is ON. Press the Timer control **-** (minus) or **+** (plus) buttons until LCD Display shows the desired ON time in 1 hour increments from 1 to 9 hours. **NOTE: The Photocell has a 2 minute delay.**



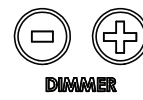
DIMMER CONTROL:

Ensure the LED lights are ON.

The **- (minus)** button dims LED Lights. The **+** (plus) button brightens the LED Lights.

-For incremental changes: Press the **- (minus)** or **+** (plus) Dimmer buttons with short pulses. This will dim the LED lights by about 10% per press of the button.

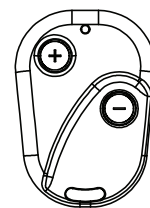
-For fine adjustment changes: Hold in the **- (minus)** or **+** (plus) Dimmer buttons until the desired brightness level is reached and then release the button.



REMOTE CONTROL: (Range 15 Yards)

-For incremental changes: Press the **- (minus)** or **+** (plus) Dimmer buttons with short pulses. This will dim the LED lights by about 10% per press of the button.

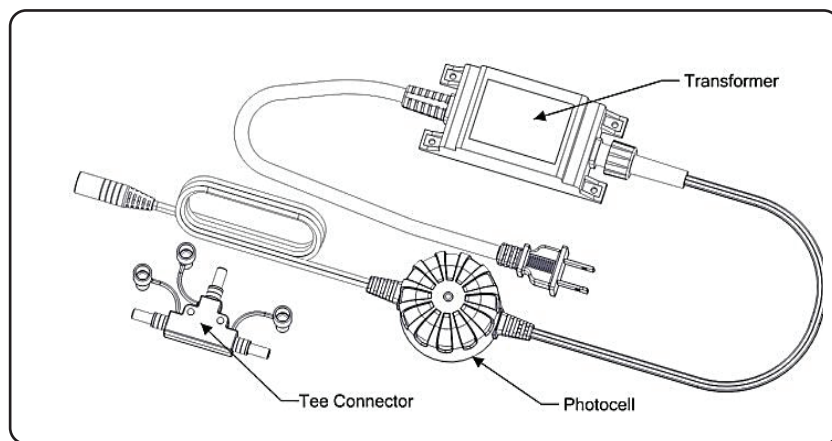
-For fine adjustment changes: Hold in the **- (minus)** or **+** (plus) Dimmer buttons until the desired brightness level is reached and then release the button.



Pre - Installation Notes

- Follow all national and local building and electrical codes.
- Transformer must be plugged into a GFCI outlet.
- Transformer can support up to 12 watts.
- Do not cut any wires. Any extra wire length can be coiled up.
- Do not use extension cords.
- Do not use within 10 feet of ponds, pools, or spas.
- Cover the photocell sensor with dark tape to make the lights work while testing.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.

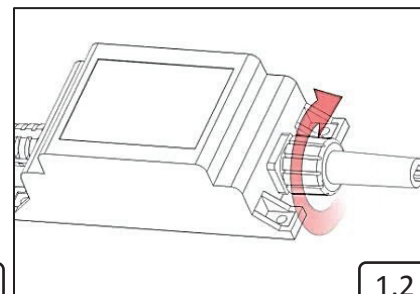
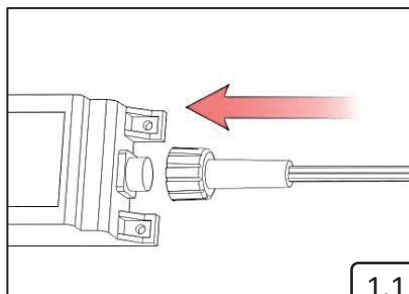
12 Volt 12 Watt DC Transformer



Step 1

Prepare the Transformer

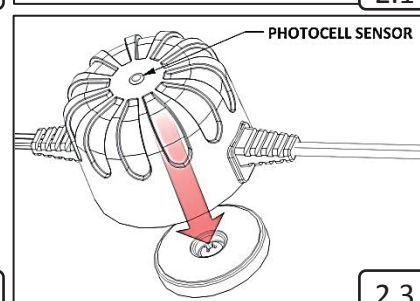
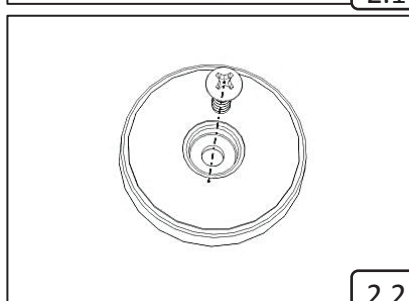
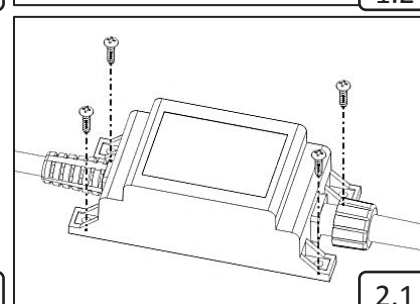
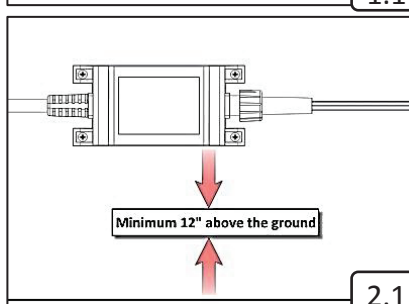
- 1.1 Properly align the photocell plug with the transformer receptacle and firmly push the plug into place.
- 1.2 Tighten the plastic nut by turning clockwise. If the photocell is already attached, check to make sure plastic nut is completely tight for a weatherproof seal.



Step 2

Mount the Transformer and Photocell

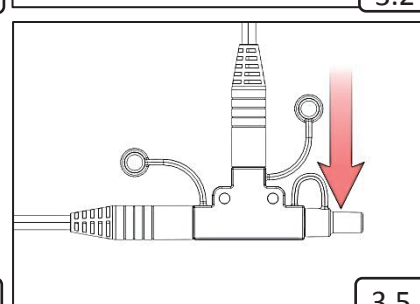
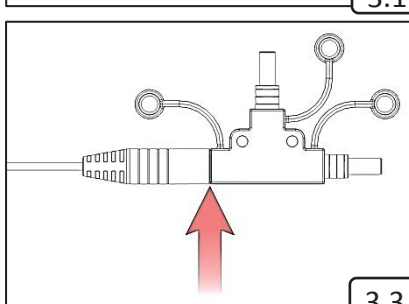
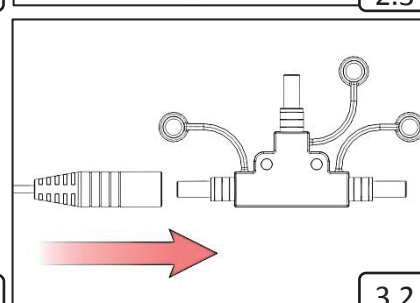
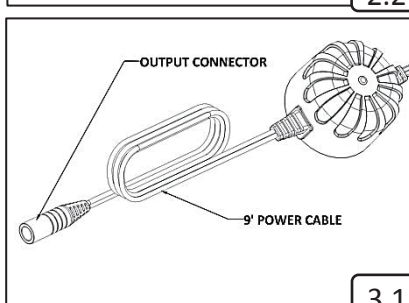
- 2.1 Use (4) #4 x 1/2" screws (not supplied) to mount transformer to an exterior wall surface or deck face a minimum of 12" above ground level. Plug the transformer into the GFCI outlet.
- 2.2 Mount the round photocell holder next to the transformer with the supplied screw. Ensure the location of the photocell can sense dusk and dawn.
- 2.3 Peel off the protective film covering the adhesive on the top surface of the round photocell holder. Align the photocell and press firmly onto the adhesive.
- 2.4 To test the power supply during installation, temporarily cover the photocell sensor with dark tape so the lights will come on during installation. Be sure to remove the tape for normal operation. (Location of Photocell Sensor shown in picture 2.3.)



Step 3

Plug in Tee Connector

- 3.1 Run the 9' power cable from the photocell to the location of the first light fixture. If needed, the power cable can fit through a 1/2" hole.
- 3.2 Plug the output connector from the photocell into the supplied T-Connector. Press firmly until the connection is fully engaged.
- 3.3 Connection is fully engaged when there is minimal gap between the output and Tee connectors.
- 3.4 Connect light fixtures per their instructions.
- 3.5 Ensure that any unused Tee Connector terminals in the system are sealed using the attached cap.

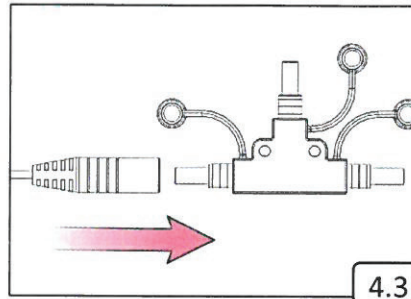


12 Volt DC Lighting Instructions (Continued)

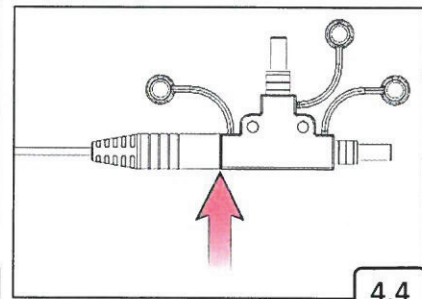
Step 4

Make the wire main connections

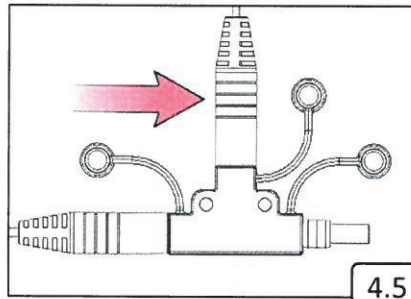
- 4.1 Run the 9' power cable from photocell to the location of the first light. If needed, the power cable can fit through a 1/2" hole.
- 4.2 At any time, if the distance between Light Kits is more than 9', an extra T-Connector kit can be used as an extension cable. Cap the unused terminal (Step 4.7).
- 4.3 Plug the output connector from the photocell or the previous T-Connector into the supplied T-Connector. Press firmly until connection is fully engaged.
- 4.4 Connection is fully engaged when there is minimal gap between the output connector and the T-Connector.
- 4.5 Plug the large connector for the light (from Step 3.2) into the T-Connector.
- 4.6 If other Light Kits are being installed, connect the 9' harness from the T-Connector Kit at this time and repeat starting at Step 4.3 until each Light Kit harness is connected across the deck.
- 4.7 Ensure that any unused T-Connector terminals are sealed using the attached cap.
- 4.8 Once all connections are made, the T-Connectors can be secured loosely using 2 screws (not supplied). Do not completely tighten the screws as this can damage the T-Connector.



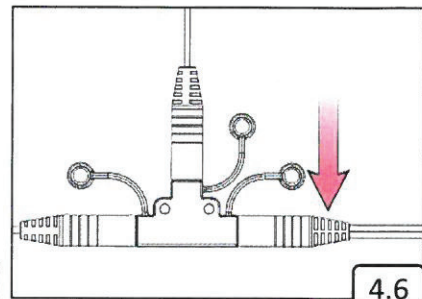
4.3



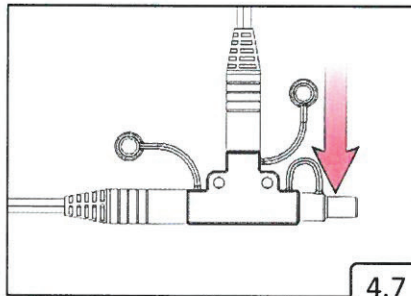
4.4



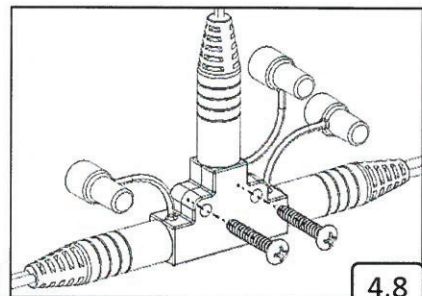
4.5



4.6



4.7

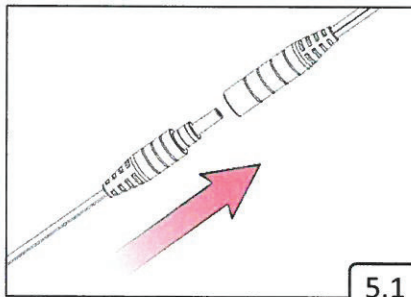


4.8

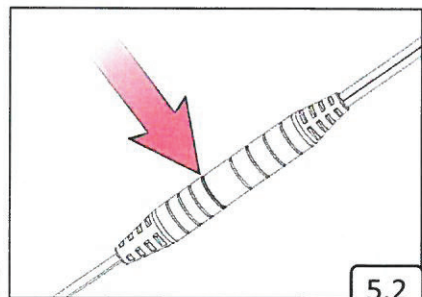
Step 5

Connect and mount the lights

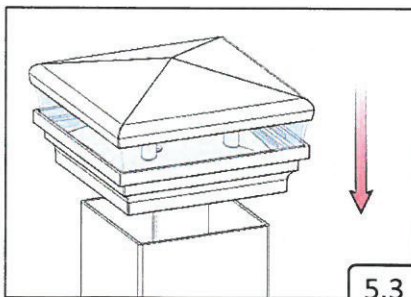
- 5.1 Plug the small male connector at the top of the post sleeve (from Step 3.1) into the small female connector attached to the light. Press firmly until connection is fully engaged.
- 5.2 Connection is fully engaged when there is minimal gap between the small male connector and the small female connector.
- 5.3 Carefully align the light with the post sleeve. Any extra wire can coil up inside the post sleeve.
- 5.4 Secure the light on each post sleeve using clear exterior caulking adhesive (not supplied).



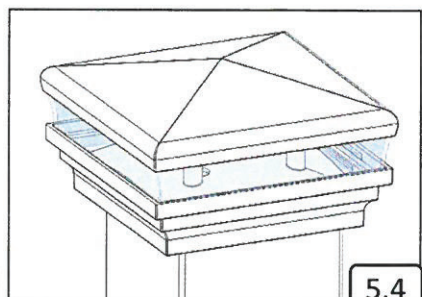
5.1



5.2

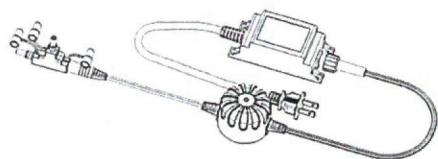


5.3

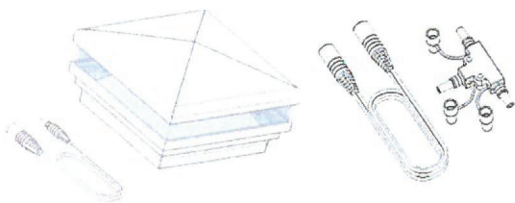


5.4

Components



Transformer Kit



Light Kit

T-Connector Kit

12 Volt DC Lighting Instructions

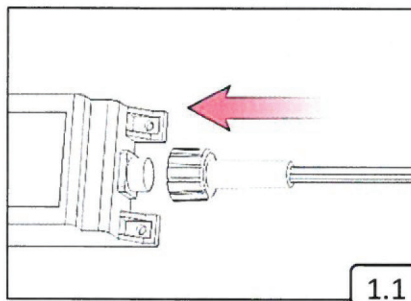
Pre-Installation Notes

- Follow all national and local building and electrical codes.
- Transformer must be plugged into a GFCI outlet.
- Transformer can support up to 12 lights.
- Do not cut any wires. Any extra wire length can be coiled up.
- Do not use extension cords.
- Do not use within 10 feet of ponds, pools, spas, or other water.
- You may need to temporarily cover the photocell sensor with black electrical tape to make the lights work while testing.
- If using wire staples, do not pierce or crush the wires.

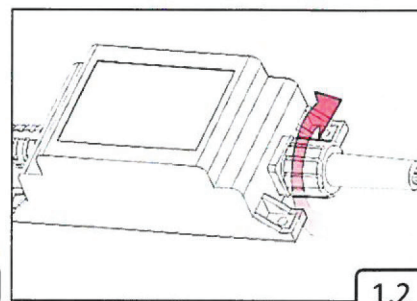
Step 1

Prepare the Transformer

- 1.1 Properly align the photocell plug with the transformer receptacle and firmly push the plug into place.
- 1.2 Tighten the plastic nut by turning clockwise. If the photocell is already attached, check to make sure plastic nut is completely tight for a weatherproof seal.



1.1

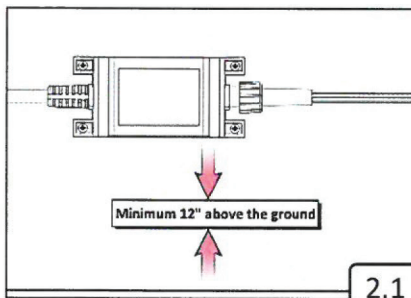


1.2

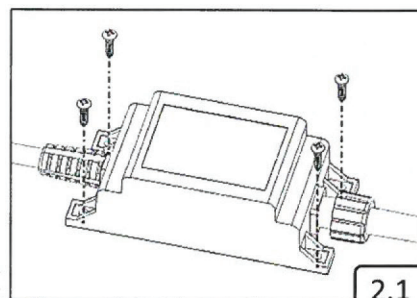
Step 2

Mount the Transformer and Photocell

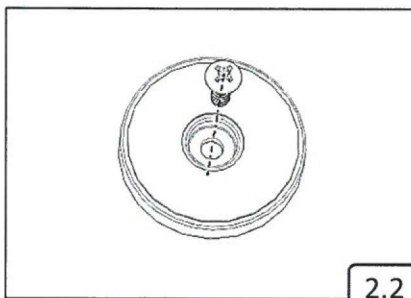
- 2.1 Use screws (not supplied) to mount transformer to a wall surface or deck joist a minimum of 12" above ground level. Plug the transformer into the GFCI outlet.
- 2.2 Mount the round photocell holder to a wall surface or deck joist with the supplied screw. Ensure the location of the photocell can sense dusk and dawn conditions.
- 2.3 Peel off the protective film covering the adhesive on the top surface of the round photocell holder. Align the photocell and press firmly onto the adhesive.



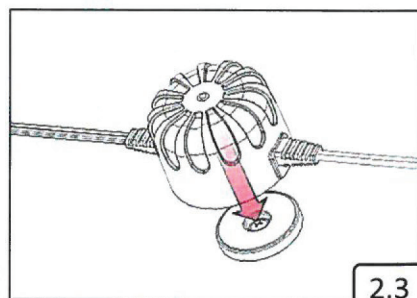
2.1



2.1



2.2

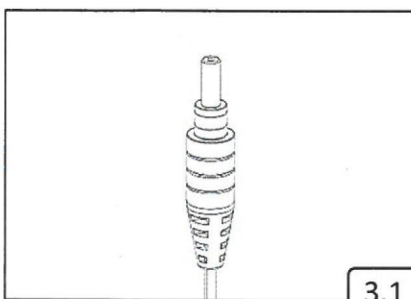


2.3

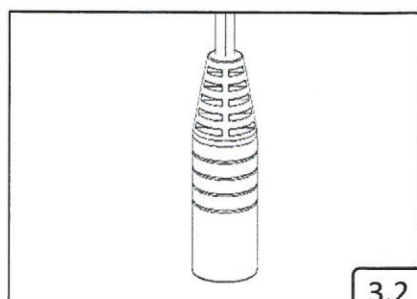
Step 3

Prepare Post Sleeve and Lighted Cap

- 3.1 Run the 5' wiring harness included with the Light Kit down the inside of the Post Sleeve with the smaller male connector hanging out the top of the post. The small male connector will fit through a 3/8" hole if needed.
- 3.2 The large female connector should be hanging out of the bottom or under the deck. The large female connector will fit through a 1/2" hole if needed.



3.1



3.2

LED Flush Mount Light

Pre - Installation Notes

- Do not cut any wires. Any extra wire length can be coiled up.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.
- During installation, it is recommended that you temporarily cover the photocell on the transformer with dark tape so the lights will be on when you plug them in. This will help check for any issues during installation. Remove tape when done.

Components



Main to Light
Harness



3/8" Drill Bit



1" Diameter
Forstner Bit



Flush Mount
Light

Step 1

Prepare the Transformer and Main Wiring

- 1.1 Follow instructions provided with the transformer.
- 1.2 Follow instructions for the main wiring harnesses so there is a TEE connector located near each location that will have a light installed.

Step 2

Drill Holes and Install Light

- 2.1 Layout the location of the light(s). To prevent splitting, do not install within 1/2" of the edge (1" from center) of the light and the edge the deck board.
- 2.2 Use a 1" Diameter Forstner Bit to bore a flat bottom hole .7" deep into the deck board. NOTE: Do not drill completely through the deck board with this bit.
- 2.3 Drill a 3/8" diameter hole in the center of the hole that was drilled in Step 2.2. Drill completely through the deck board with this bit.
- 2.4 Place the connector and wire attached to the light through the hole that was drilled in Step 2.3.
- 2.5 Gently insert the flush mount light into the hole that was drilled in Step 2.2. The top of the light should sit just below the surface of the deck board. If the light is above the surface, remove it and bore the hole slightly deeper. If the light is too far below the surface, remove the light and place a small amount of clear exterior silicone caulking in the bottom of the hole and reinsert the light so it is just below the surface of the deck board.
- 2.6 Underneath the deck, plug the small male connector of the Main to Light Harness into the small female connector attached to the light. Press firmly until the connection is fully engaged.
- 2.7 Connection is fully engaged when there is minimal gap between the small male connector and the small female connector.
- 2.8 Plug the large connector from the Main to Light Harness into the Tee Connector from Step 1.2. The flush mount light will now be illuminated if the transformer is on.

Step 3

Finalize Installation

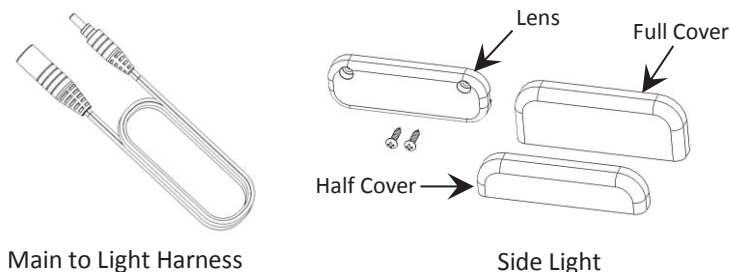
- 3.1 If dark tape was used to cover the photocell on the transformer, remove it for normal operation.

LED Side Light

Pre - Installation Notes

- Do not cut any wires. Any extra wire length can be coiled up.
- During installation, it is recommended that you temporarily cover the photocell on the transformer with dark tape so the lights will be on when you plug them in. This will help check for any issues during installation. Remove tape when done.

Components



Step 1

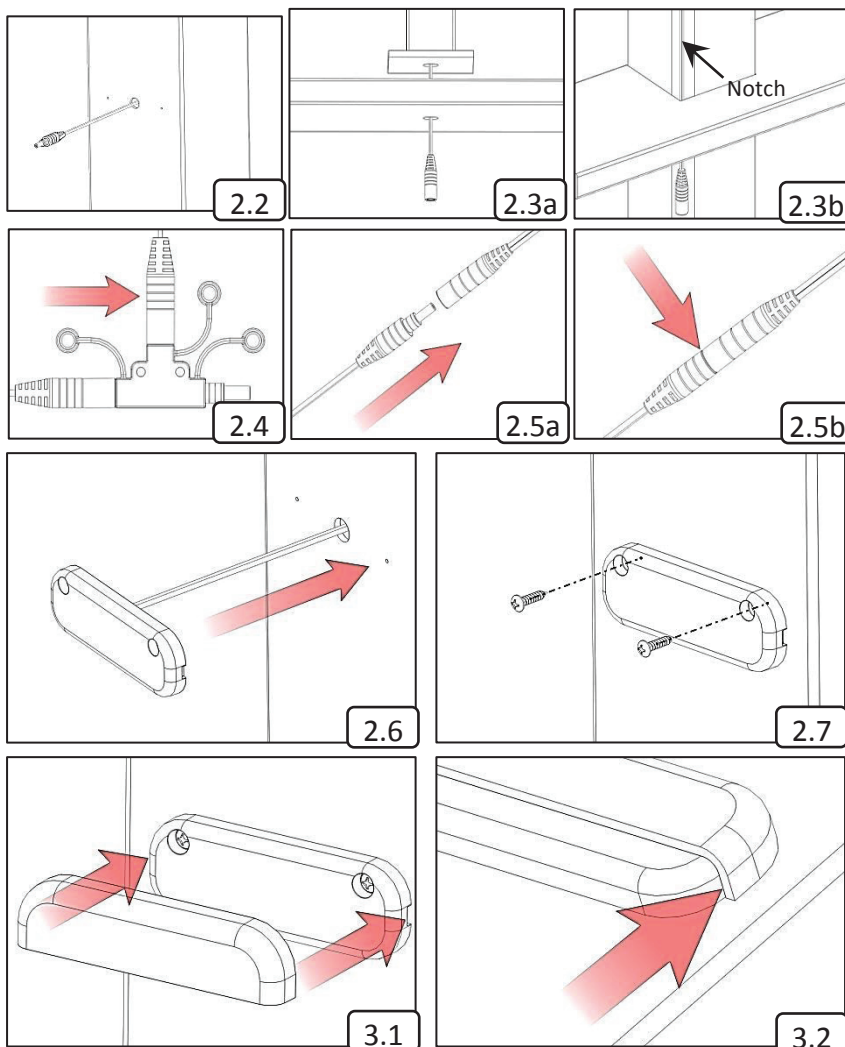
Prepare the Transformer and Main Wiring

- 1.1 Follow instructions provided with the transformer.
- 1.2 Follow instructions for the main wiring harnesses so there is a TEE connector located beneath each post location that will have a light installed.

Step 2

Prepare the Post and the Back Plate

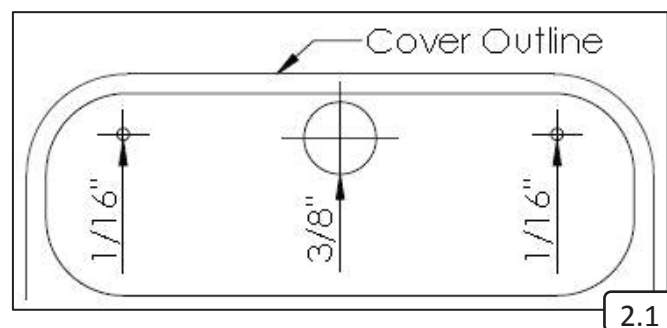
- 2.1 Place the template at the desired location and pre-drill two 1/16" holes for screws and one 3/8" hole for the wire.
- 2.2 Run a Main to Light Harness down the inside of the post or post wrap with the smaller male connector hanging out of the 3/8" hole that was just drilled.
- 2.3 The large female connector should be hanging out of the bottom under the deck - it will fit through a 1/2" hole.
(a) If using a metal post mount, run the wire down the center of the post mount and through the center hole.
(b) If using a wood post, a small notch can be removed from the corner to allow room for the wire. Ensure that no future screws or brackets will damage the wire.
- 2.4 Plug the large female connector (from Step 2.3) into the Tee Connector that is located beneath the post (from Step 1.2).
- 2.5 (a) Plug the small male connector (from Step 2.2) into the small female connector attached to the lens.
(b) Press firmly until the connection is fully engaged. The light should be illuminated if the transformer is on.
- 2.6 Push the wire and connection back through the 3/8" hole until the back of the lens is flush with the post.
- 2.7 Align the pre-drilled holes and use the 2 included stainless steel screws to mount the lens to the post.



Step 3

Install Lens Cover and Finalize Installation

- 3.1 Align the cover with the lens and snap the cover onto the lens. Only one cover will be used per lens (2 are supplied). Each cover will give a different lighting effect. The unused cover can be saved or discarded.
- 3.2 If needed, the cover can be removed by carefully inserting a small flat blade screwdriver near the latch on 1 side and popping off the cover. Care should be taken to not scratch the lens.
- 3.3 If dark tape was used to cover the photocell on the transformer, remove it for normal operation.

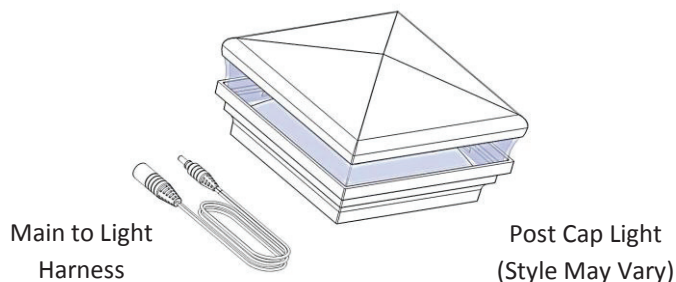


LED Post Cap Light

Pre - Installation Notes

- Do not cut any wires. Any extra wire length can be coiled up.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.
- During installation, it is recommended that you temporarily cover the photocell on the transformer with dark tape so the lights will be on when you plug them in. This will help check for any issues during installation. Remove tape when done.

Components



Step 1

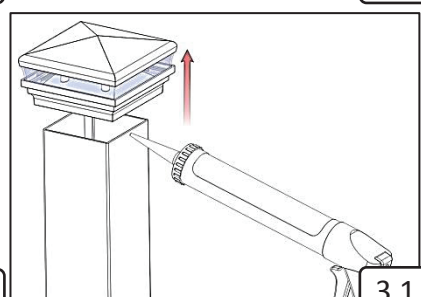
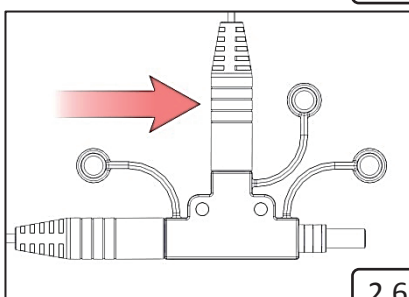
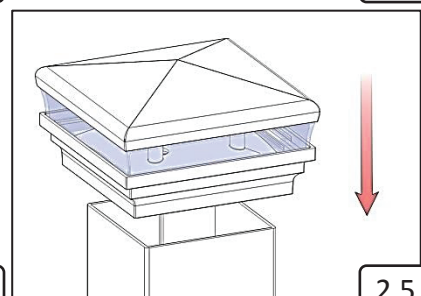
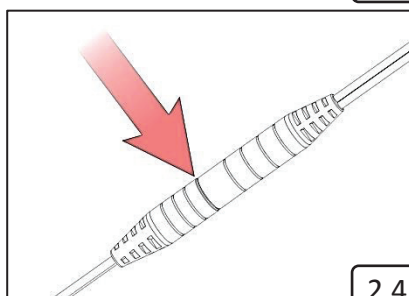
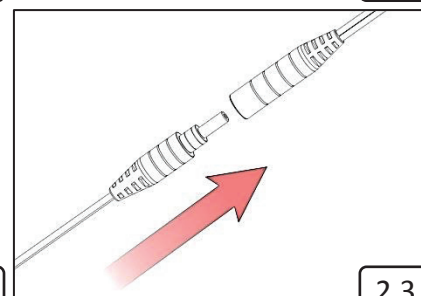
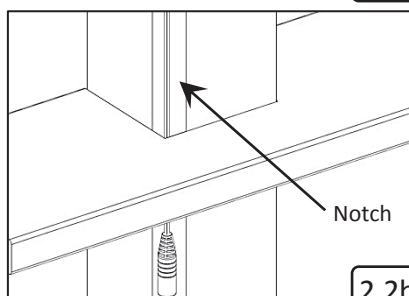
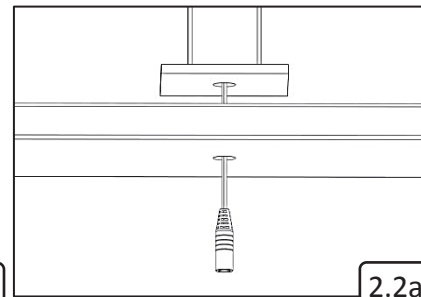
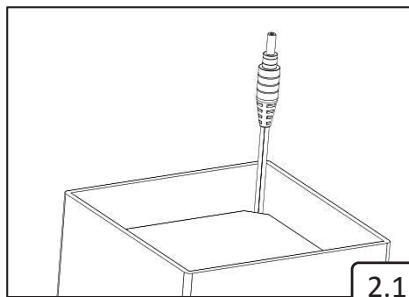
Prepare the Transformer and Main Wiring

- 1.1 Follow instructions provided with the transformer.
- 1.2 Follow instructions for the main wiring harnesses so there is a TEE connector located beneath each post location that will have a light installed.

Step 2

Prepare the Post and the Post Cap Light

- 2.1 Run a Main to Light Harness down the inside of the post or post wrap with the smaller male connector hanging out the top of the post.
- 2.2 The large female connector should be hanging out of the bottom under the deck - it will fit through a 1/2" hole. (a) If using a metal post mount, the wire can run down the center of the post mount and through the hole in the center. (b) If using a wood post, a small notch can be removed from the corner to allow room for the wire. Ensure that no future screws or brackets will damage the wire.
- 2.3 Plug the small male connector at the top of the post (from Step 2.1) into the small female connector attached to the light. Press firmly until the connection is fully engaged.
- 2.4 Connection is fully engaged when there is minimal gap between the small male connector and the small female connector.
- 2.5 Carefully align the Post Cap Light and set on top of the post or post wrap. Any extra wire can be coiled up inside the post.
- 2.6 Plug the large connector from the Post Light Cap (from Step 2.2) into the Tee Connector. The Post Cap Light will now be illuminated if the transformer is on.



Step 3

Finalize Installation

- 3.1 Lift the Post Cap Light from the post and apply a bead of clear exterior silicone caulking (not supplied) where the Post Cap Light will be installed onto the post or post wrap.
- 3.2 Replace Post Cap Light onto the adhesive. If dark tape was used to cover the photocell on the transformer, remove it for normal operation.

