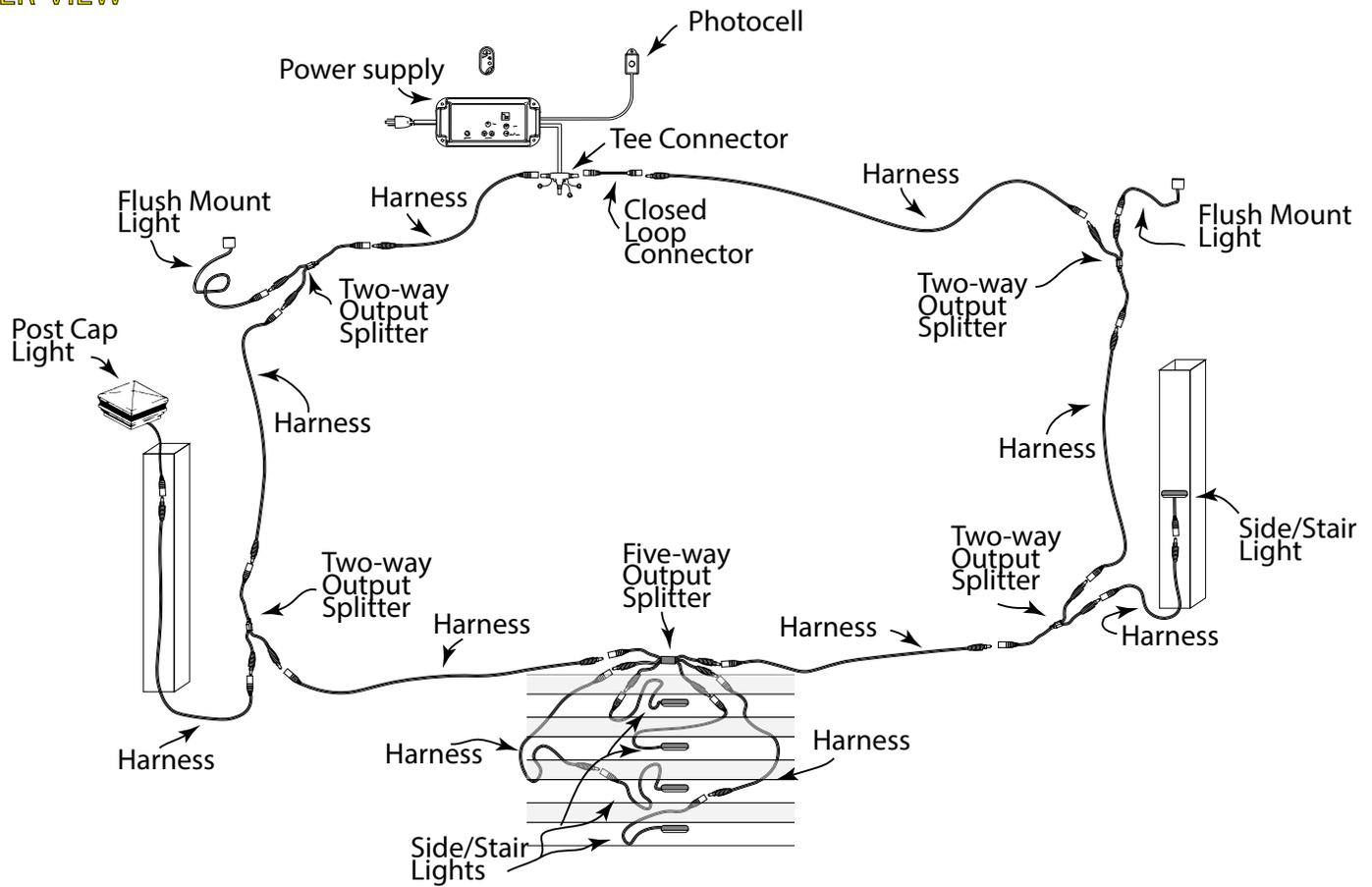


QuickPlug Deck Lighting

OVER VIEW



Fence & Deck Supply

STEP 1: INSTALL YOUR POWER SUPPLY

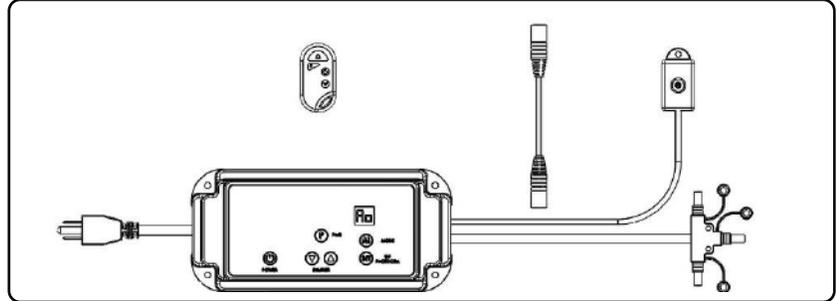
OPTION 1 50 Watt LED Low Voltage Smart Power Supply w/ Photocell, Timer, Remote & Bluetooth

Pre - Installation Notes

- Follow all national and local building/electrical codes.
- Transformer must be plugged into a GFCI outlet.
- Transformer can support up to 50atts output.
- Don't cut any wires. Extra wire length can be coiled up.
- Do not use extension cords.
- Do not use within 10 feet of ponds, pools, or spas.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.
- Keep away from external heat sources.

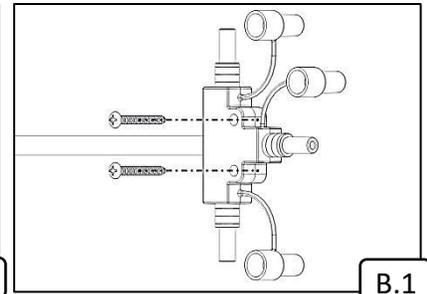
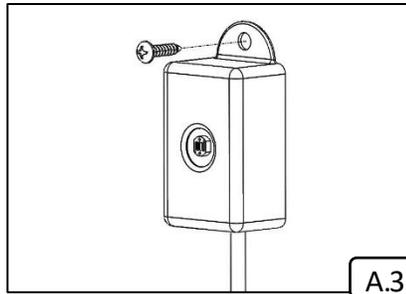
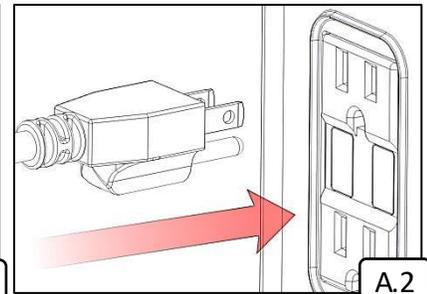
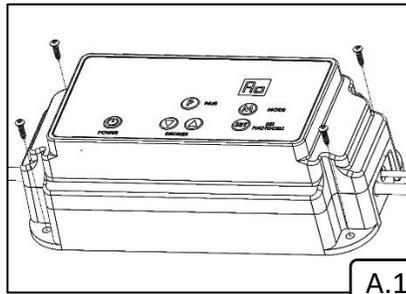
A. Mount the Transformer and Photocell

1. Use (4) screws (not included) to mount the transformer a minimum of 12" above the ground level and within reach of a 120V AC GFCI outlet. The 120V AC power cord attached to the transformer is 5 feet long. The transformer can be mounted under the deck but the control panel on the transformer should be accessible to change settings.
2. Plug the transformer into the GFCI outlet.
3. Use a screw (not included) to mount the photocell in a location that can sense dusk and dawn (night and day) conditions. the attached photocell cord is 5 feet long.



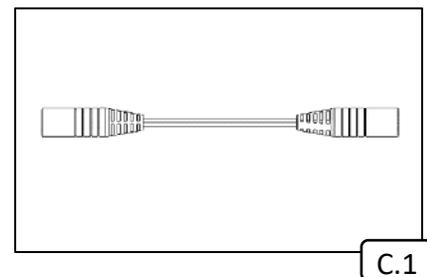
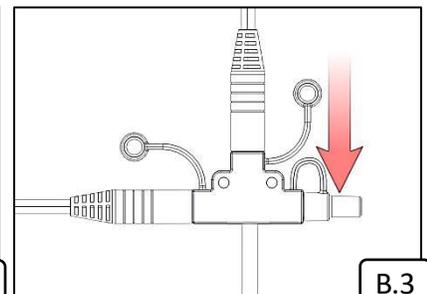
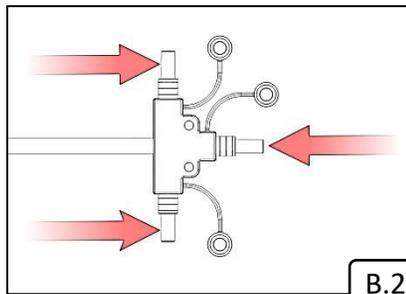
B. Mount the Tee Connector

1. Run the 4 foot output power cable with the Tee Connector attached to the location of the first light or a central location if lights will be located in multiple directions. The Tee Connector can be secured loosely using (2) #4 x 1" screws (not supplied). Do not tighten the screws completely as this can damage the Tee Connector.
2. If needed, all 3 of the output connectors on the Tee Connector are active and will supply equal power to the entire system.
3. Any unused Tee Connector terminals or splitters in the system must be sealed using the attached cap.



C. Closed Loop Connector (optional but recommended)

1. Included with the transformer is a closed loop connector. The closed loop connector has a red female connector on each end and is 6" long. The closed loop connector is used to connect the Main Wiring back into the transformer. This reduces the voltage drop across the wiring in the system.
2. Use a 2 outlet splitter on the last light fixture of the run. Plug the last light fixture into one of the two output splitter's male connections. Plug an extension harness into the other male connection of the 2 output splitter. Run enough extension harnesses end to end to reach back to the Tee Connector of the transformer. Use the closed loop connector to make the connection between the extension harness and the Tee Connector.



OPTION 2. 12 Watt LED Low Voltage Power Supply w/ Photocell

Pre - Installation Notes

- Follow all national and local building/electrical codes.
- Transformer must be plugged into a GFCI outlet.
- Transformer can support up to 12 watts.
- Don't cut any wires. Extra wire length can be coiled up.
- Do not use extension cords.
- Do not use within 10 feet of ponds, pools, or spas.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.

A. Prepare the Transformer

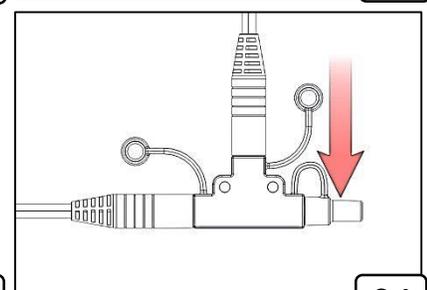
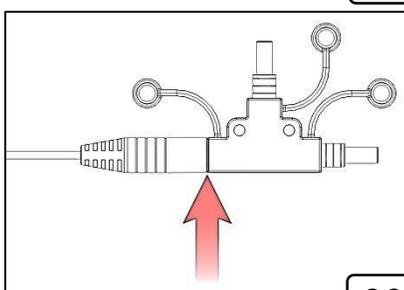
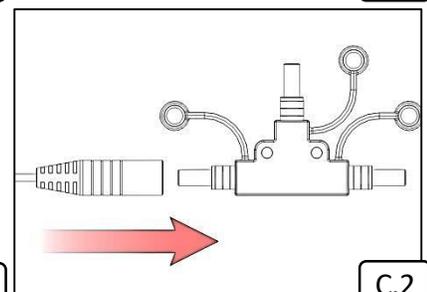
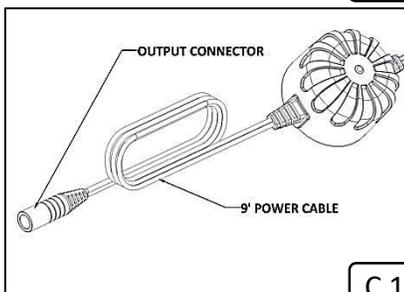
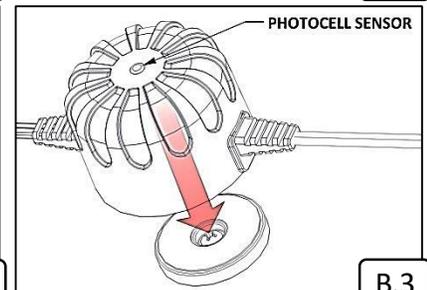
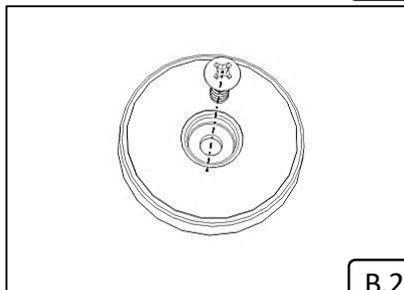
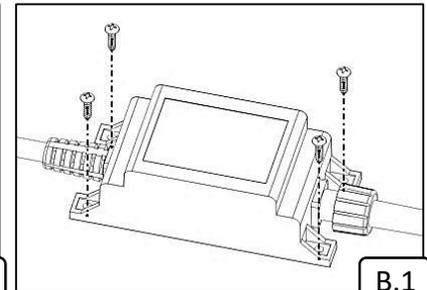
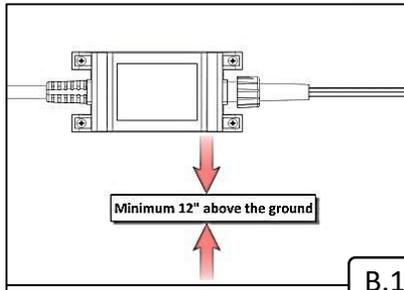
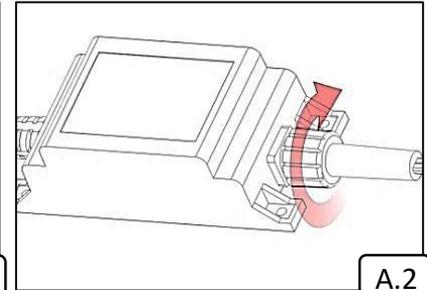
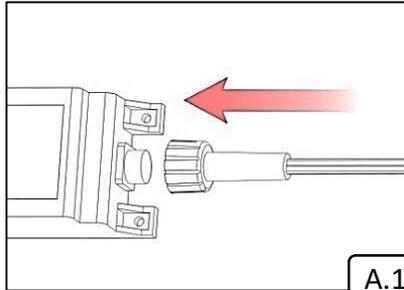
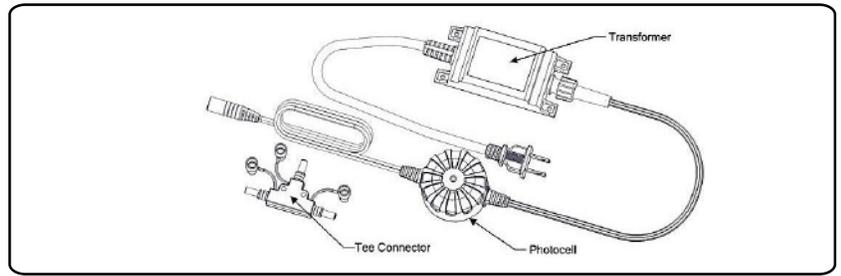
1. Properly align the photo cell plug with the transformer.
2. Tighten the plastic nut by turning clockwise. If the photocell is already attached, check to make sure plastic nut is completely tight for a weatherproof seal.

B. Mount the Transformer and Photocell

1. Use (4) #4 x 1/2" screws (not supplied) to mount the transformer to an exterior wall surface or deck face a minimum of 12" above ground level and within reach of a 120V AC GFCI outlet. Plug the transformer into the GFCI outlet.
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.
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.
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.

C. Plug in Tee Connector

1. Run the 9' power cable from the photocell to the location of the first light fixture. Use additional extension harnesses end to end as necessary. If needed, the power cable can fit through a 1/2" hole.
2. Plug the output connector from the photocell into the supplied Tee Connector. Press firmly until the connection is fully engaged.
3. Connection is fully engaged when there is minimal gap between the output and the tee connector.
4. Any unused Tee Connector Terminals or splitters in the system must be sealed using the attached cap.



OPTION2 ADDON. Weatherproof Dimmer for 12 Watt Transformer

Pre - Installation Notes

- For use with 12V 12W Transformer
- Dimmer is rated for 12V DC / 5 Amps maximum.
- Dimmer is weatherproof but do not use within 10 feet of ponds, pools, or spas.
- Remote range is approximately 25 yards with the antenna fully extended.
- Replacement remote battery: 27A 12V.
- A 2-10 second delay when turning the lights on and off with the dimmer unit or remote is normal.
- Dimmer stores the last brightness setting.

A. Connect the Dimmer Unit

1. Dimmer unit should be installed between the transformer and the photocell. If the photocell is already installed on the transformer, unscrew the plastic nut and unplug the photocell from the transformer.
2. Properly align the dimmer unit input plug with the transformer
3. Tighten the plastic nut by turning clockwise. The nut must be completely tight for a weather proof seal.
4. Repeat 2 and 3 except plug the photocell input plug into the dimmer output receptacle.

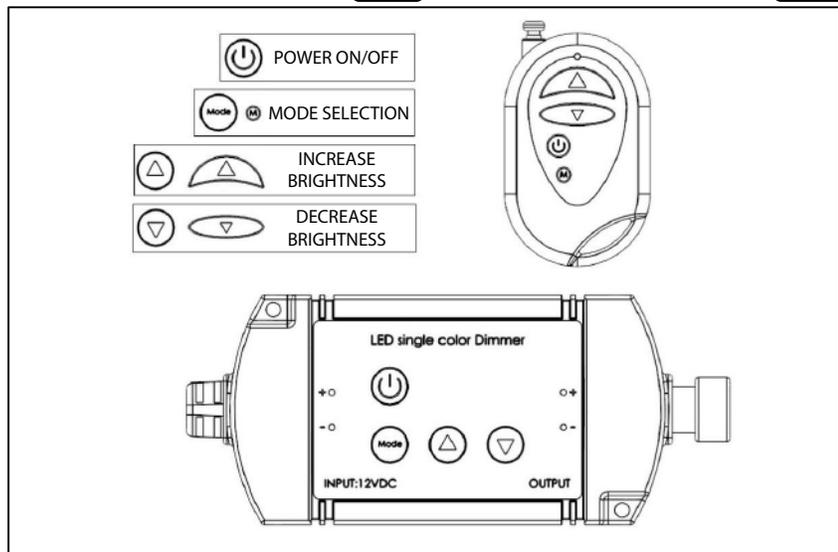
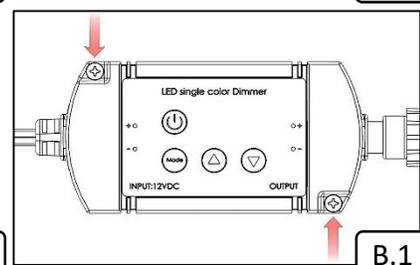
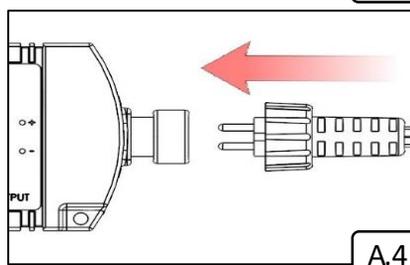
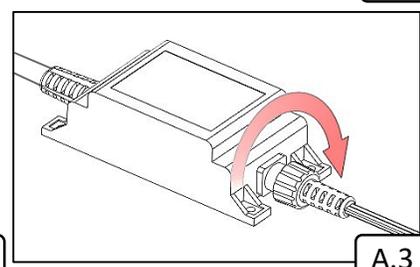
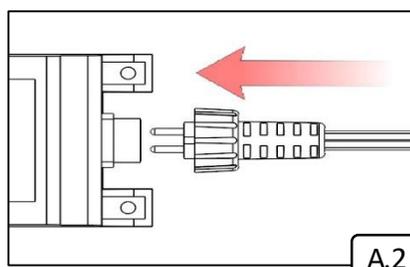
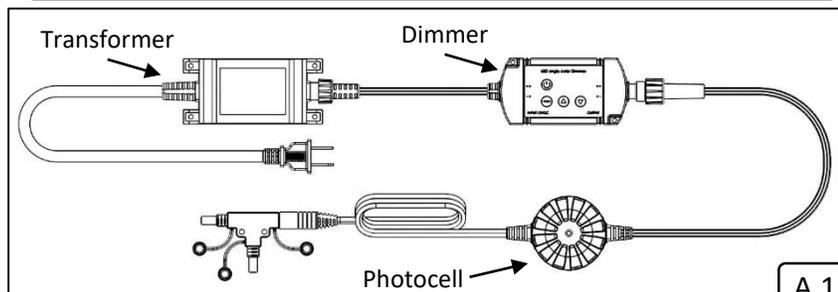
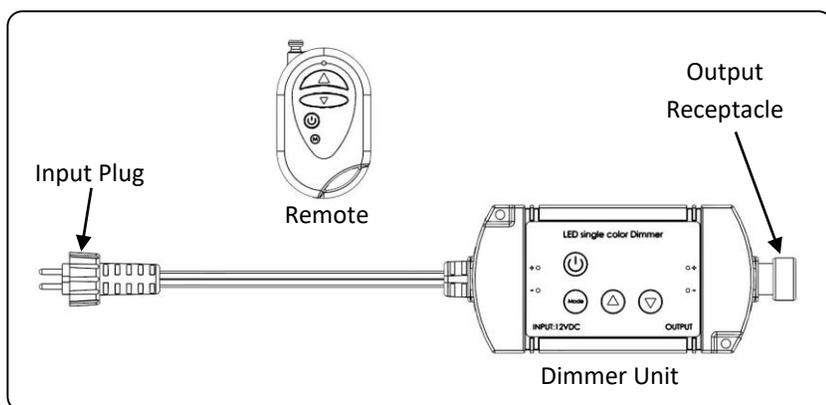
B. Mount the Dimmer

1. Mount the dimmer with (2) #4 screws (not supplied) a minimum of 12" above ground level.

Operating Instructions

Button Functions

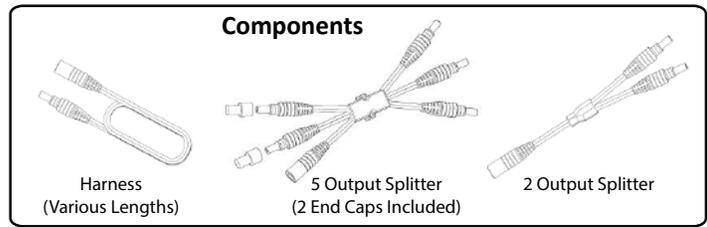
- Power
 - On/Off
- Mode Selection
 - Preset dimming levels of 10%, 35%, 70%, and 100%. Pressing the button will loop through the four (4) preset dimming levels.
- Increase Brightness
 - Press and hold to slowly make lights brighter.
 - Release the button when the desired brightness level is reached.
- Decrease Brightness
 - Press and hold to slowly make lights dimmer.
 - Release the button when the desired brightness level is reached.



STEP 2: WIRING HARNESS AND SPLITTERS

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 the tape when done.



1. Harness

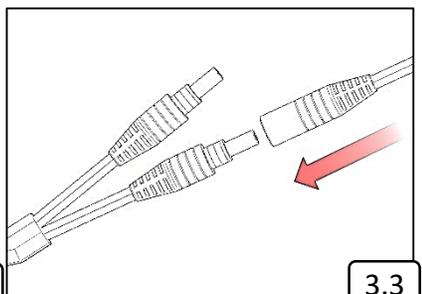
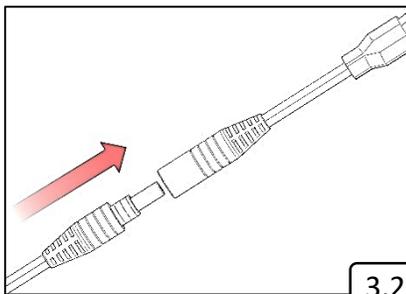
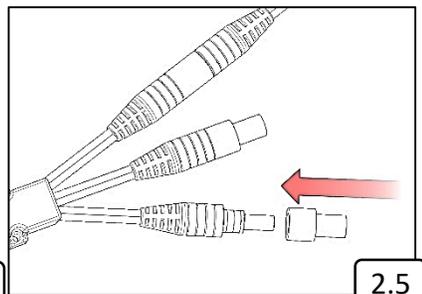
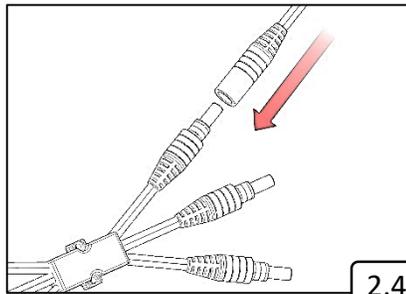
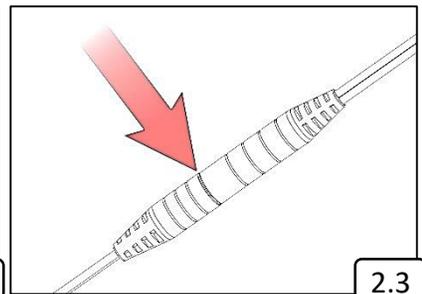
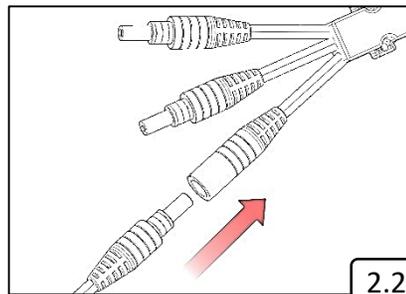
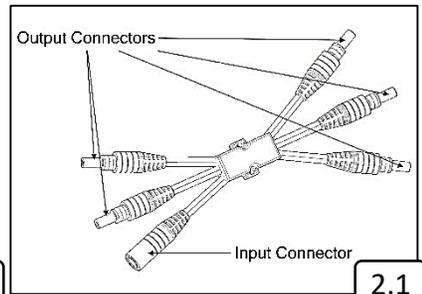
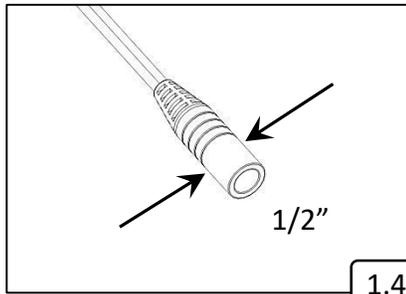
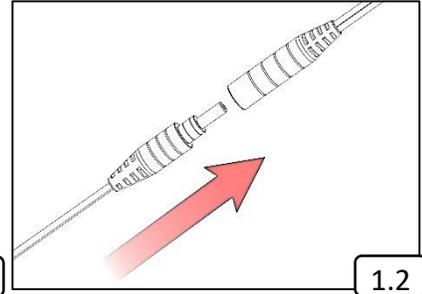
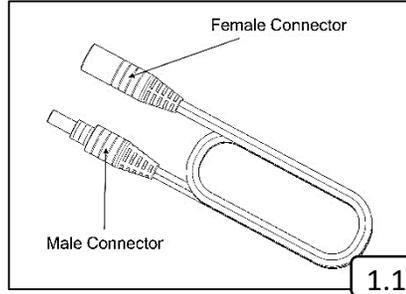
1. the Harness is used to extend power from the transformer to each individual light or splitter. The Harness has a male and female end.
2. Harnesses can be plugged into each other to extend length if needed.
3. The Harness can be run underneath the deck (above ground) and/or inside the post/railing where it is hidden from view.
4. If needed, the connectors can fit through a 1/2" hole.

2. 5 Output Splitter

1. The 5 Output Splitter is used to evenly distribute power from 1 input to 5 outputs.
2. Plug the male connector from a harness into the female input connector of the 5 Output Splitter. Press firmly until the connection is fully engaged.
3. Connection is fully engaged when there is minimal gap between the male harness connector and the female input connector.
4. Plug the female connector from a harness or a light into one of the male output connectors. Repeat for each output connector that is needed.
5. If there are any unused output connectors, an end cap (2 included) must be used to seal the output connector. Any unused end caps can be saved or discarded. If there are more than 2 unused output connectors, a 2 Output Splitter (see below) should be used.
6. The 5 Output Splitter can be secured using (2) #2 screws (not supplied).

3. 2 Output Splitter

1. The 2 Output Splitter is used to evenly distribute power from 1 input to 2 outputs.
2. Plug the male connector from a harness into the female input connector of the 2 Output Splitter. Press firmly until the connection is fully engaged.
3. Plug the female connector from a harness or a light into one of the male output connectors. Repeat for the other output connector.



STEP 3: WIRING LED LIGHTS

OPTION 1. LED Post Cap Lights

Pre - Installation Notes

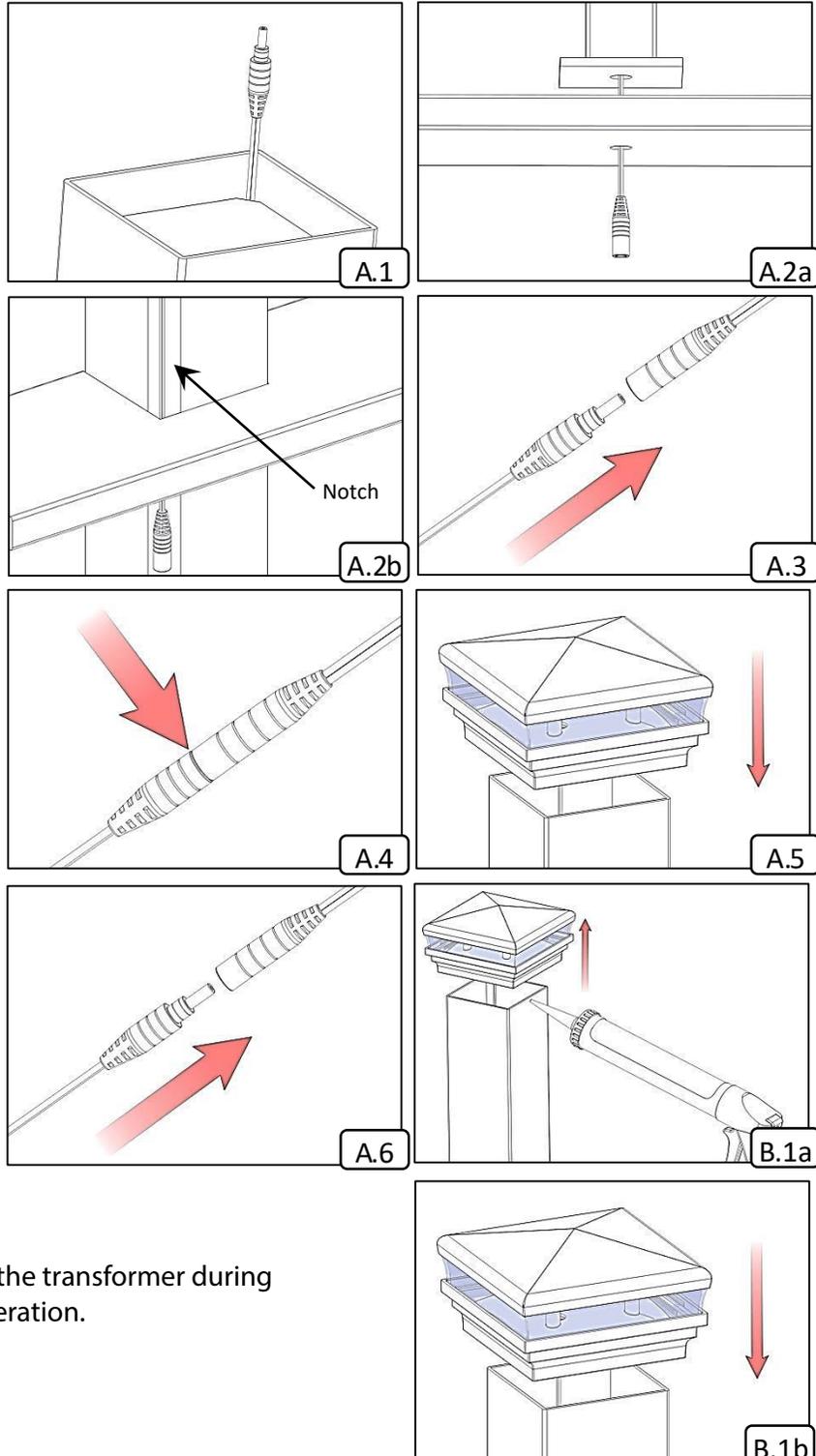
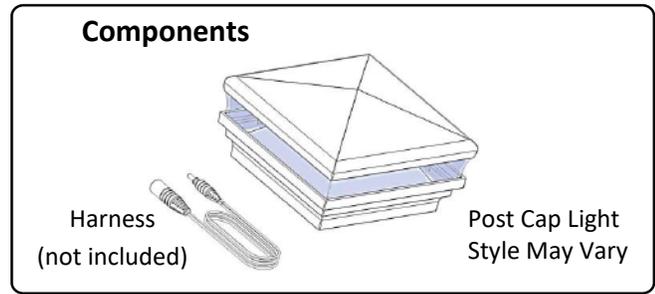
- Do not cut any wires. Any extra wire length can be coiled up.
- If using insulated wire staples to hold the wires in place, be sure not to pierce or crush the wires.
- During installation, it is recommended that you temporarily cover the photocell on the transformer with dark tape so the lights will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

A. Prepare the Post and the Post Cap Light

1. Run a Harness (not included in light kit) down the inside of the post or post wrap with the male connector hanging out the top of the post.
2. The female harness connector should be hanging out of the bottom under the deck - it will fit through a 1/2" hole if needed.
 - (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 of the post.
 - (b) If using a wood post, a small notch can be removed from the corner to allow room for the wire. Ensure that future screws or brackets don't damage the wire.
3. Plug the male harness connector into the female connector attached to the light. Press firmly until the connection is fully engaged.
4. Connection is fully engaged when there is minimal gap between the male harness connector and the female connector.
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.
6. Plug the female harness connector into the male power supply connector below the deck. The Post Cap Light will now be illuminated if the transformer is on.

B. Finalize Installation

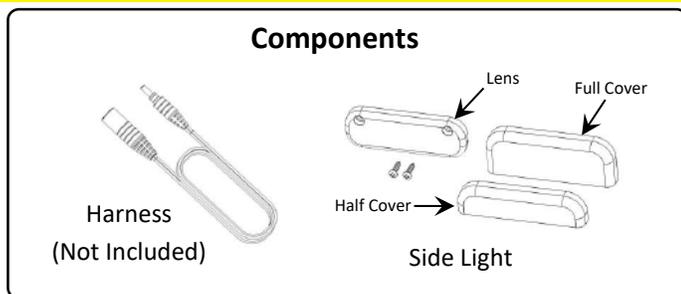
1. (Optional) (a) After the light is confirmed working, lift the Post Cap Light from the post and apply a bead of clear exterior silicone caulking (not supplied) where the Post Cap Light will be installed onto the post or post wrap.
 - (a) Replace the Post Cap Light onto the adhesive.
2. If dark tape was used to cover the photocell on the transformer during the installation process, remove it for normal operation.



OPTION 2. LED Side Lights (may also be used on stairs)

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 the tape when done.



A. Prepare the Post and the Back Plate

1. Place the template at the desired location and pre-drill (2) 1/16" holes for screws and (1) 1/2" hole for the wire.

2. Run a Harness (not included) down the inside of the post or post wrap with the male connector hanging out of the 1/2" hole that was just drilled.

3. The 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 future screws or brackets will not damage the wire.

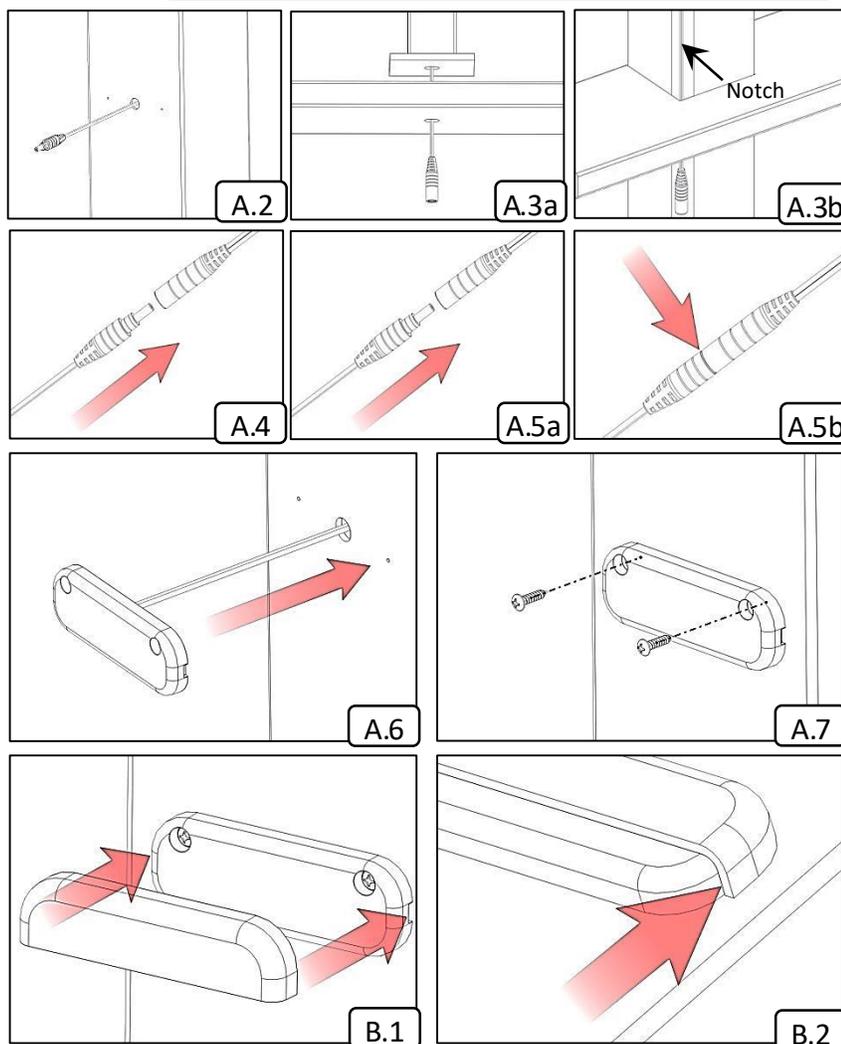
4. Plug the female harness connector into the male power supply connector below the deck.

5. (a) Plug the male harness connector into the 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.

6. Push the wire and connection back through the 1/2" hole until the back of the lens is flush with the post.

7. Align the pre-drilled holes and use the (2) included screws to mount the lens to the post.

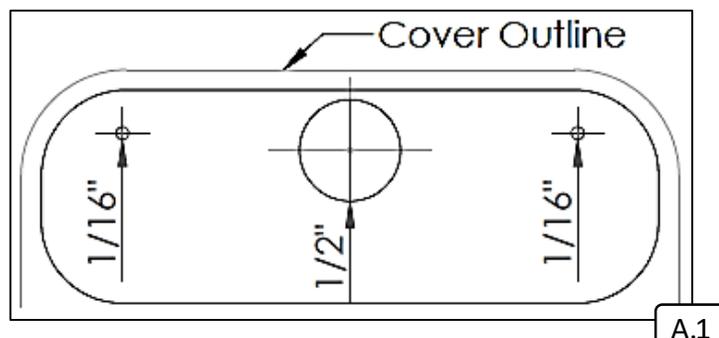


B. Finalize Installation

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.

2. If needed, the cover can be removed by carefully inserting a small flat blade screw driver near the latch on one side and popping off the cover. Care should be taken to not scratch the lens.

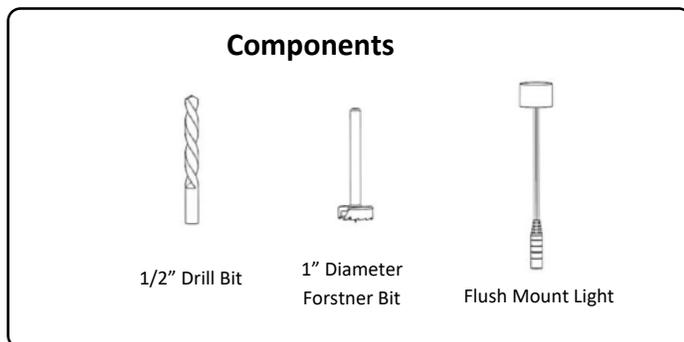
3. If dark tape was used to cover the photocell on the transformer during the installation process, remove it for normal operation.



OPTION 3. LED Flush Mount Lights

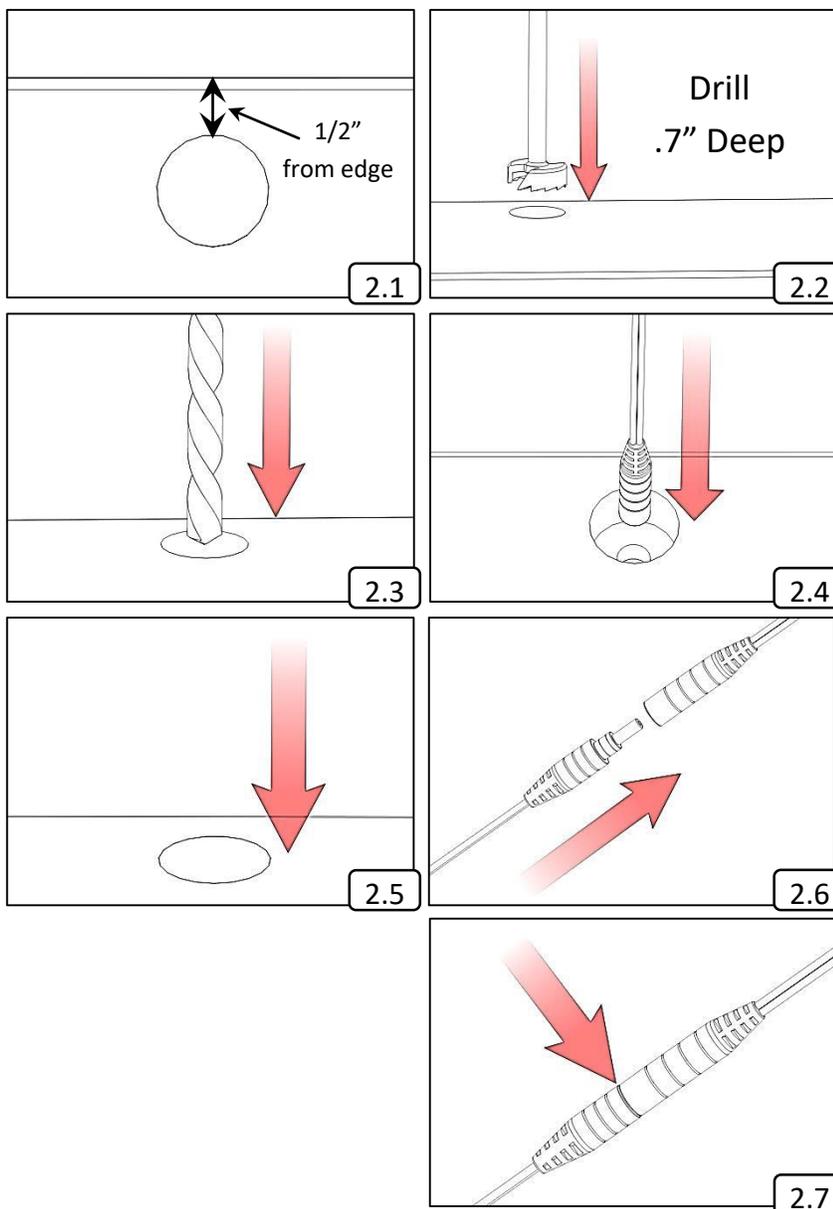
Pre - Installation Notes

- 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 the tape when done.



A. Drill Holes and Install Light

1. Layout the location of the light(s). To prevent splitting, do not install within 1/2" of the edge (1" from the center) of the light and the edge of the deck board.
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.
3. Drill a 1/2" diameter hole in the center of the hole that was just drilled in step A.2. Drill completely through the deck board with this bit. Blow out the debris from the hole.
4. Place the connector and wire attached to the light through the hole that was drilled in step A.3.
5. Gently insert the flush mount light into the hole from step A.2. The top of the light should sit just below the surface of the deck board. If the light is above the deck surface, remove it and check for debris. If there is no debris, bore the hole slightly deeper with the Forstner Bit (see step A.2). If the light is too far below the deck 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.
6. Underneath the deck, plug the male power supply connector into the female connector attached to the light. Press firmly until the connection is fully engaged.
7. Connection is fully engaged when there is minimal gap between the male connector and the female connector.
8. The Flush Mount Light will now be illuminated if the transformer is on.



B. Finalize Installation

1. If dark tape was used to cover the photocell on the transformer during the installation process, remove it for normal operation.