

LED LIGHTING INSTRUCTIONS

STOP!

CHECK ALL LOCAL BUILDING CODES BEFORE YOU BEGIN!

NOTE: IF YOU ARE INSTALLING 15 LED'S OR MORE, YOU WILL NEED TO BUY A BIGGER TRANSFORMER TO HANDLE THE POWER

FIND A HOW TO INSTRUCTIONAL VIDEO AT <http://preferredrailingsystems.com/>

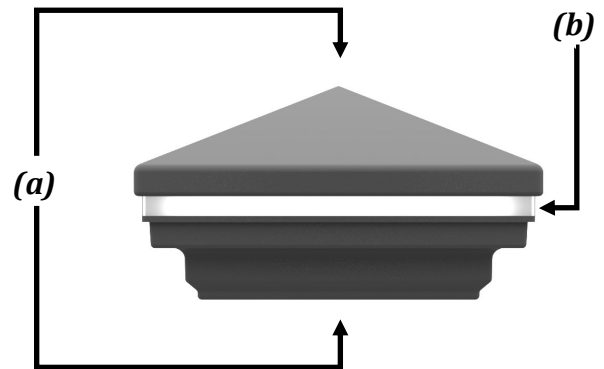
1 Gather necessary tools before installation (check box)

- | | | |
|---|---|--|
| <input type="checkbox"/> Pencil | <input type="checkbox"/> Miter saw | <input type="checkbox"/> #2 Phillips bit |
| <input type="checkbox"/> Tape measure | <input type="checkbox"/> Right angle driver | <input type="checkbox"/> Clamps |
| <input type="checkbox"/> Level | <input type="checkbox"/> #1 Square bit | <input type="checkbox"/> Wire stripper |
| <input type="checkbox"/> Cordless drill or impact | <input type="checkbox"/> #2 Square bit | <input type="checkbox"/> Electrical tape |

- Manufacturer Recommends:**
- Bracket Placement Template (provided with order)
 - Impact Ready Right Angle
 - 1/2" Drill bit

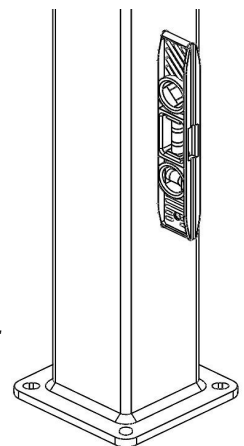
2 Make sure the following components are included (check box)

- 1 - Modular Pyramid or Flat Post Kit (a)
- 1—LED Low Voltage Kit (b)
- 1—AC / DC Switching Adaptor (sold separately) (c)



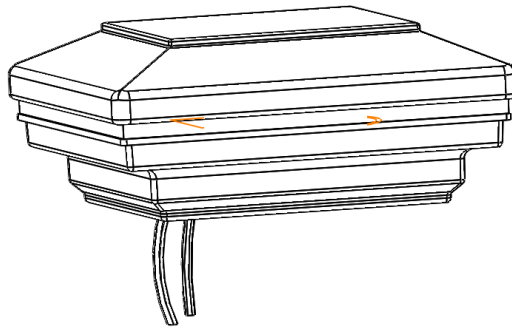
3 Wiring the Post

- Reference the provided post instructions to install the posts up until the point of securing the post.
- Identify which post will be connected to an external power source for the LED lights
- Using the 1/2" standard drill bit, drill a hole through the deck at the center point of the post base plate
- Now trace out the post on your deck then from your trace measure two adjoining sides measure $2^{-3/4}$ this is the center point of your welded post.
- Feed all necessary wire through the post and attach the post



4 Wiring the Caps

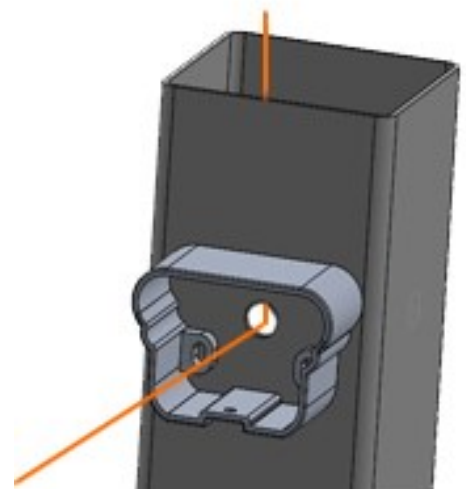
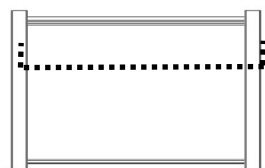
- Reference the provided instructions to install the level brackets into the posts .
- Strip the bottom half inch off of the grey wires connected to the Lighted Post Cap.
- Strip the bottom half inch off of the wires used to connect to the power source or to the other led's.
- The gray stripped white wire from the led is your negative and the all white wire is your positive .
- Continue to steps 5 and 6 to continue the install on a level, stair, or multi-angle post section.



5 Level Railing Wiring Steps

If you are going to connect the lighted post cap through a level railing system, these are the steps you must follow.

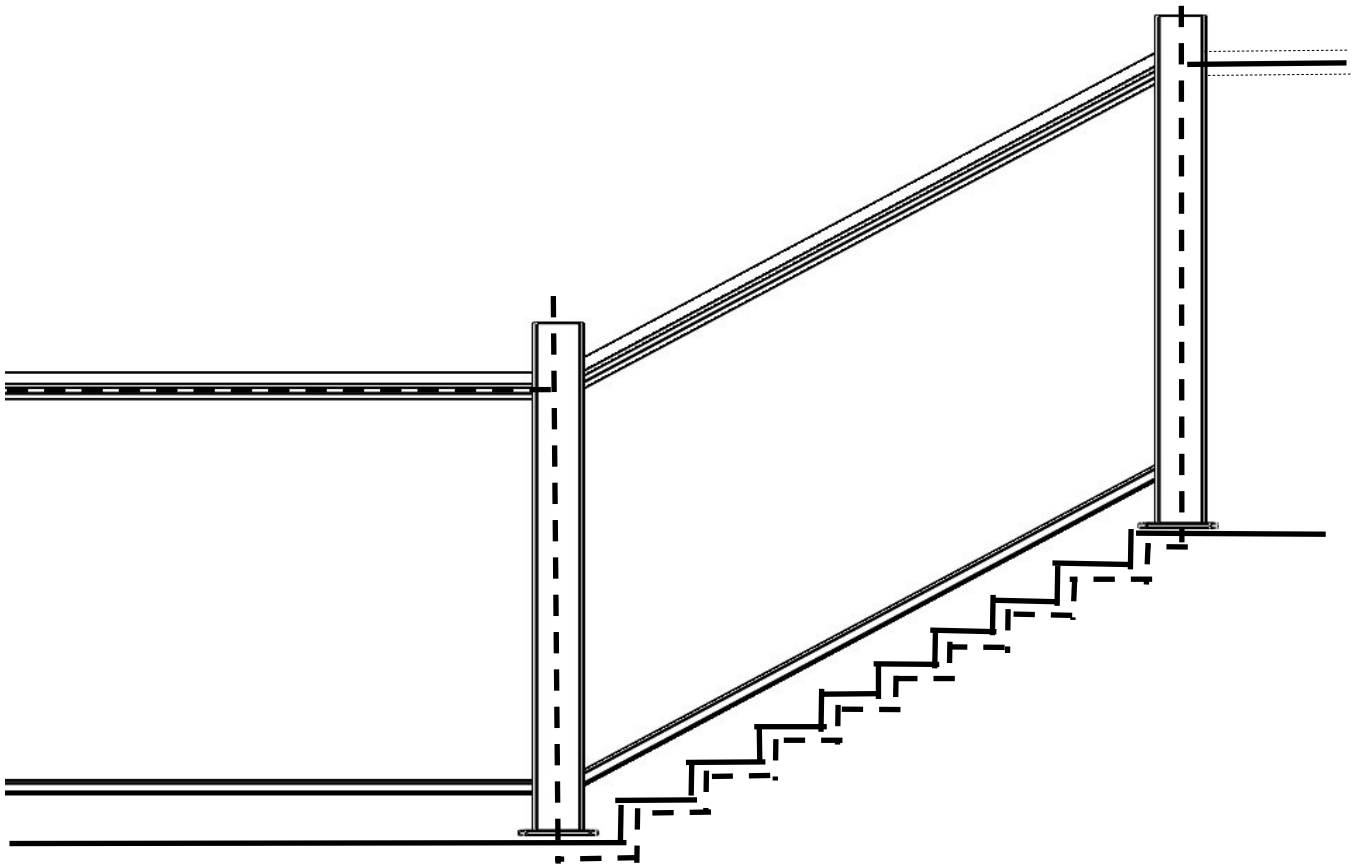
- Mark drill point at least 1" from all other faces
- Using the 1/2" standard drill bit, drill a hole through the center drill point of the top bracket.
- Run the wire through the hole created.
- Feed the wire through the length of the top rail.
- Pull the wire through the opposite hole created.
- Snip the wire 3" past the height of the post, strip the last 1/2" off of the wire as shown below
- Return to railing assembly unless at final or 15th post cap



6 Stair and Multi-Angle Railing Wiring

If you are going to connect the lighted post cap through a stair or multi-angle railing system, these are the steps you must follow.

- *Run the wire through the deck as in step 3 on both sides of the multi angle or stair sections*
- *Feed the wire through under the deck.*
- *Secure the wire under the stair treads / deck floor.*
- *Feed the wire into the next post, through the hole created in step 5.*
- *Run the wire throughout the height of the post.*
- *Snip the wire 3" past the height of the post, strip the last 1/2" off of the wire, as shown below.*
- *Return to railing assembly unless at final or 15th post cap*



7 Wiring to power source

- When all of your L.E.D.s are wired together now you can attach the wire from step 3 to the main power source
- Plug the positive all white wire into the positive slot on the transformer (Labeled "+")
- Plug the negative white with grey stripe wire into the negative slot on the transformer (Labeled "-")
- Tighten both connections on the transformer with a Phillips head screwdriver.
- Add electrical tape around the wire nuts and connections to ensure strength and safety of connections.
- Plug transformer into an outlet to ensure the caps are properly installed.

NOTE: It is crucial that you plug the proper wire into the proper slot on transformer.

