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)*

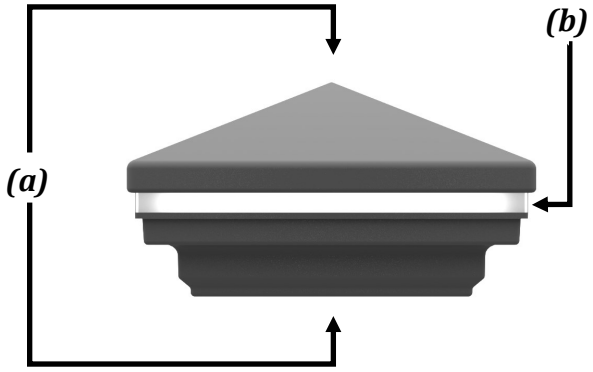
- ☐ *Pencil*
- ☐ *Tape measure*
- ☐ *Level*
- ☐ *Cordless drill or impact*
- ☐ *Miter saw*
- ☐ *Right angle driver*
- ☐ *#1 Square bit*
- ☐ *#2 Square bit*
- ☐ *#2 Phillips bit*
- ☐ *Clamps*
- ☐ *Wire stripper*
- ☐ *Electrical tape*

Manufacturer Recommends:

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

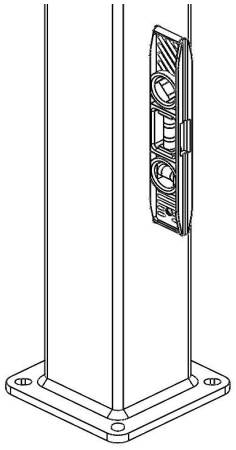
2 *Make sure the following components are included (check box)*

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



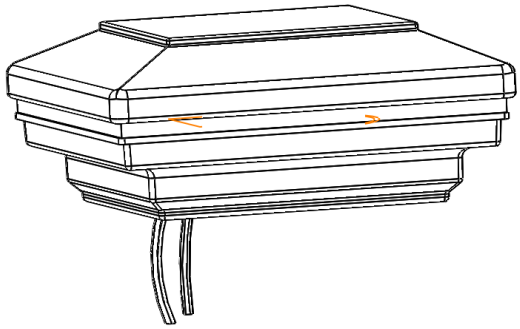
3 *Wiring the Post*

- ***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*

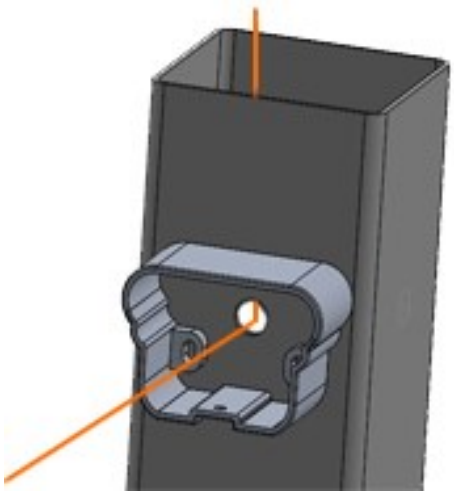
- ***Reference the provided instructions to install the level brackets into the posts .***
- ***Strip the bottom half inch off of the grey wires connected to the Lighted Post Cap.***
- ***Strip the bottom half inch off of the wires used to connect to the power source or to the other led's.***
- ***The 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.***

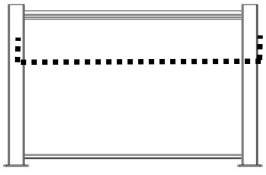


5 *Level Railing Wiring Steps*

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***

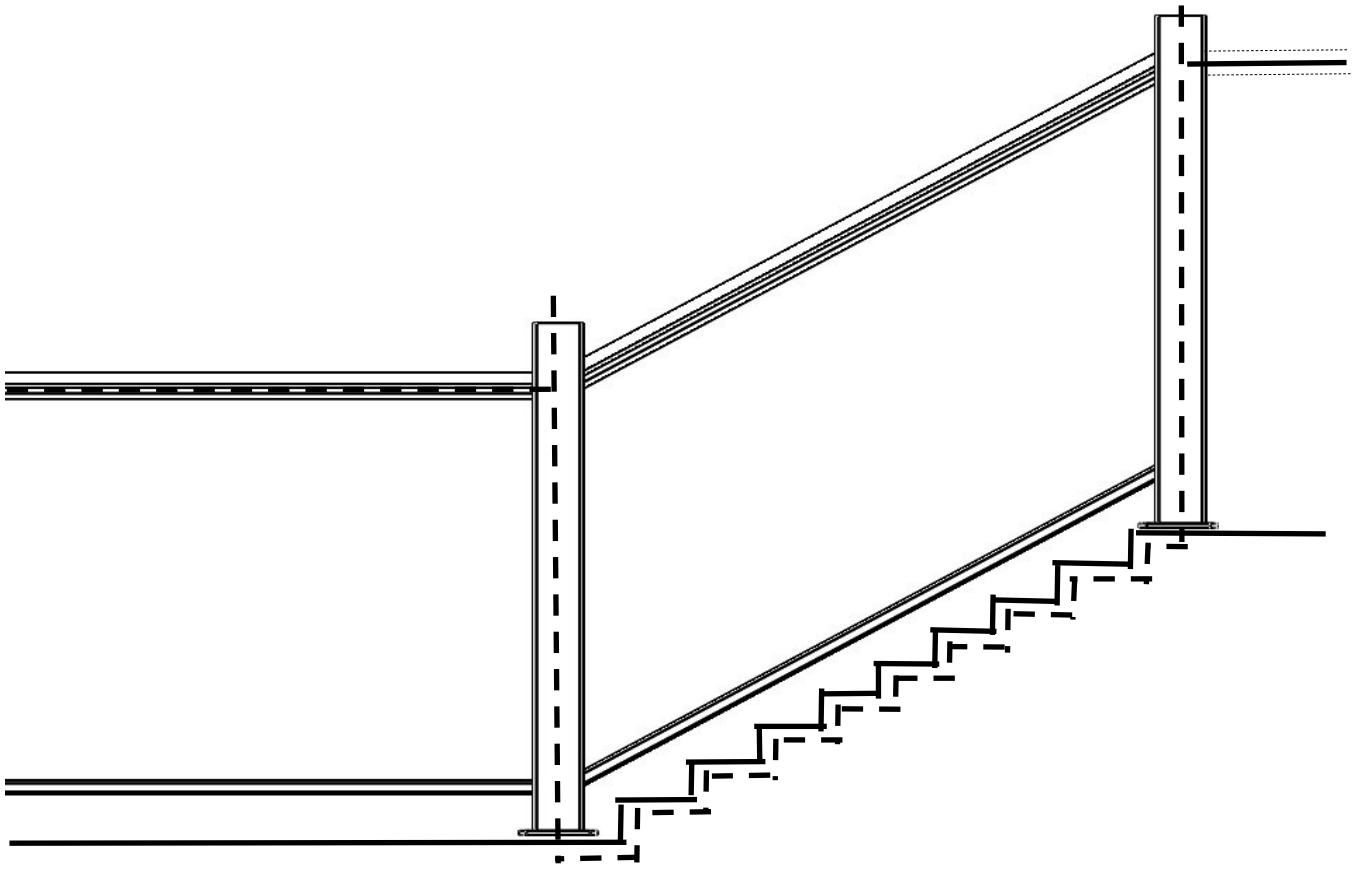




6 *Stair and Multi-Angle Railing Wiring*

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.***

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