Under-Rail Lighting

Recommended Tools

- Safety Glasses
- Tape Measure & Pencil
- Power Drill w/ ⅜'' bit
- Level
- Tin Snips or Scissors
- Flathead Screwdriver
- Silicone Caulk

Under-Rail Lighting Kit Components

- Under-Rail LED strip
- Chesapeake Adaptor Clips

⚠️ WARNING: This product can expose you to chemicals including Quartz (crystalline silica), which is known to the State of California to cause cancer, and Hexavalent Chromium, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
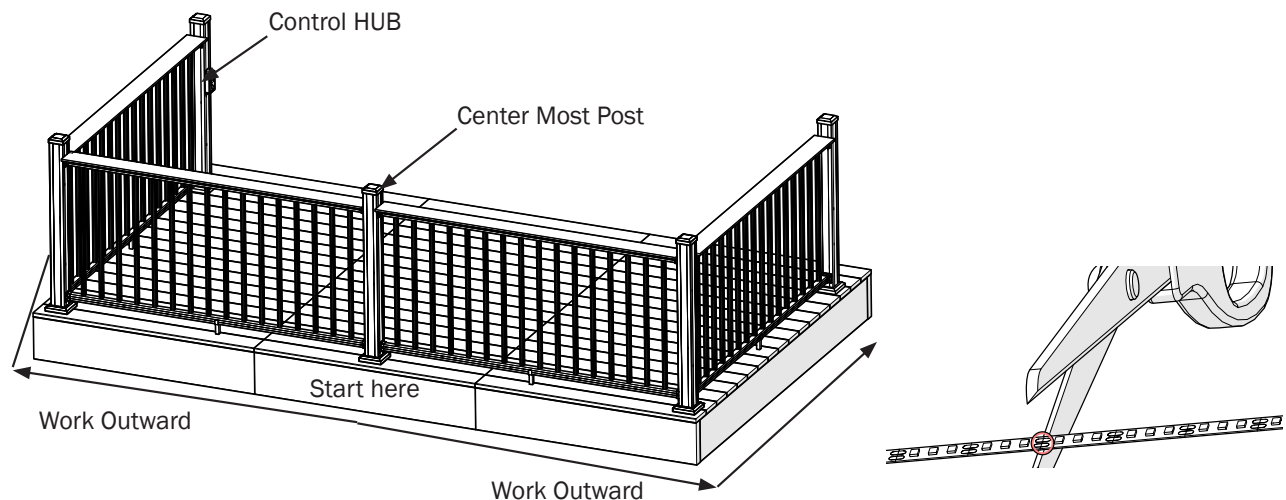
1 Placid Point Under-Rail Lighting Prep

The under-rail lighting system will use the same Mizu Mini P-25 connectors as all other Placid Point Lighting products. Plan to wire your Under Rail Lighting from the center of the deck and work outward for the best results. Lighting strips that will be installed in railing sections that are not a standard length will need to be cut with tin snips (prefered) or scissors. After strip is cut fill the cut-end with clear silicone caulk to prevent moisture accumulation on light strip.

Please see Placid Point Lighting Outdoor L.E.D. Lighting System Installation Guide for directions on Lighting Control Box installation. (https://placidpointlighting.com/resources)

Note: Because building codes vary from one region to another; consult your local building codes to determine acceptable post placement and railing height.

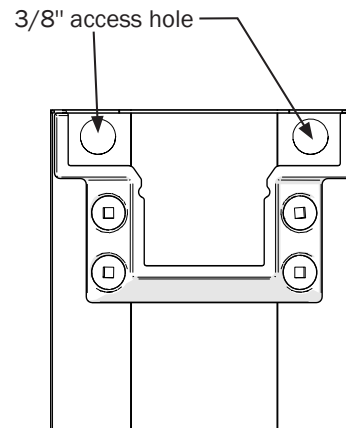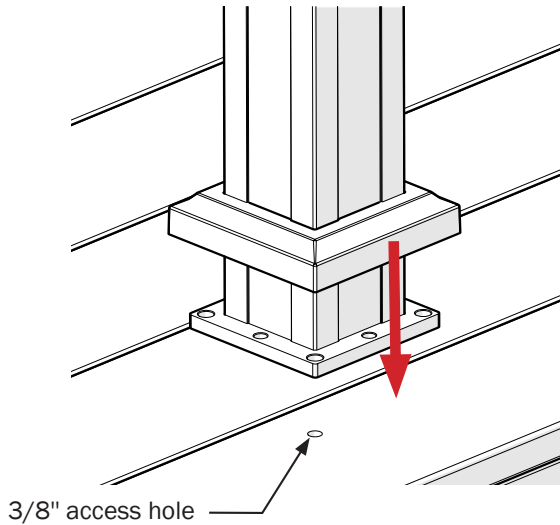**Note:** For installation information of the Control Hub please see the Control Hub User Guide on Placidpointlighting.com/resources

2 Drilling Holes for Wiring

Drill a 3/8" hole under the center of the first post to receive wiring and any post pre-ceeding a cut lighting strip in your wiring sequence.

Drill a 3/8" hole in line with the channel at the top of any post that wiring will need to pass through. If retroftitting onto a railing section, drill from the inside of the post at the approximate location. Mark holes approximately 3/4" below top of the post.
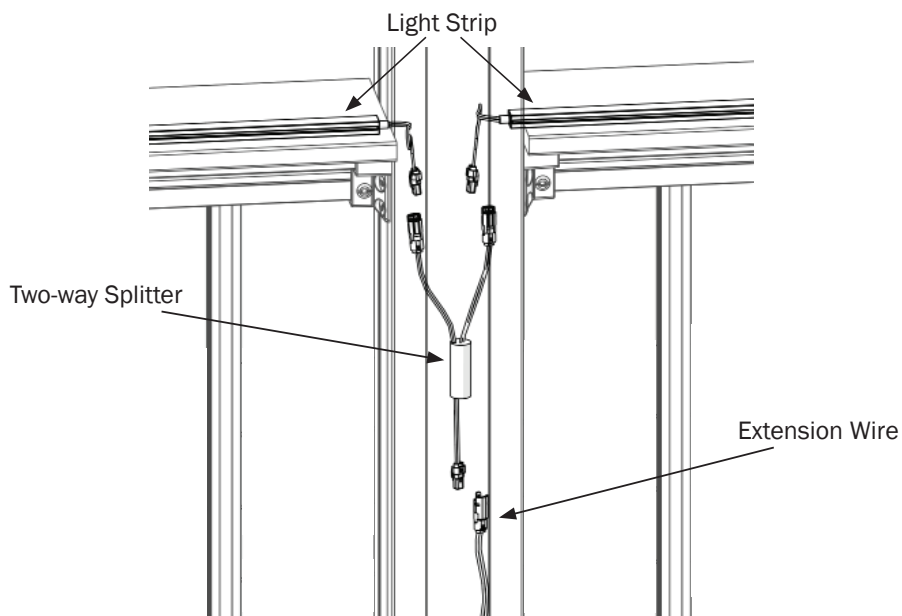

3/8" access hole

3/8" access hole

RECOMMENDED: use bracket as reference for location to drill. Mark center of channel before drilling.

Note: The access hole only needs to be drilled on the side of the rail that will receive under-rail lighting.

3 Running Wire from Control Hub

Run the extension wire coming from the control hub through the 3/8" hole in the deck and up the first post. Attach to a splitter at the top of the post. Connect a lighting strip to one side of the splitter by running the connection wire from the lighting strip through the hole at the top of the post that was drilled previously.
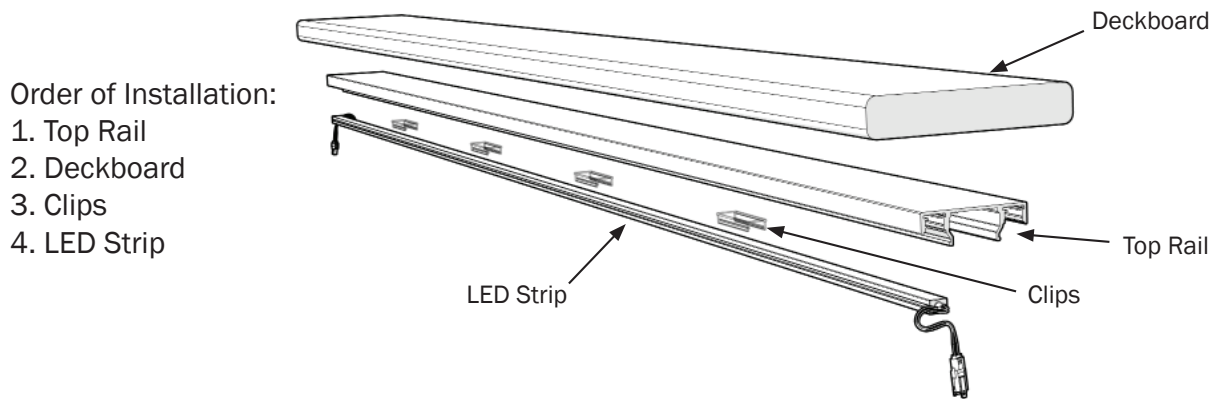

Light Strip

Two-way Splitter

Extension Wire

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④ Inserting Lighting Strips

Push the connected lighting strip into the channel underneath the rail and run the other connection wire through the hole at the top of the next post.

If the lighting strip does not fit snug into the channel, use the provided clips to attach the lighting section. Insert the clips using a flathead screw driver to press the clips into the channel until you hear an audible click. Place the clips no more than 6-8" apart then reinsert the lighting strip.

Order of Installation:
1. Top Rail
2. Deckboard
3. Clips
4. LED Strip

Deckboard

Top Rail

LED Strip

Clips

IMPORTANT: Be sure to attach any desired deckboard to the top of the rail before inserting lighting strips into the channel underneath the rail.

Connect the installed lighting strip to the next light in the sequence using the previous directions and continue connecting lights until the rest of the system is complete.

If connecting to a cut lighting strip, attach a splitter to the previous lighting connection before attaching to the cut strip. Use the other side of the splitter to run an extension wire down the post, underneath the deck and up the following post in the sequence to continue.

It is RECOMMENDED to not have more than 32' of LED strips connected together if running on a 60-Watt power supply. If running longer than 32', use Expandable Power Splitter. See Expandable Power Splitter Install Guide for more details.

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