Before You Start

Consult your local codes and ordinances before installing low-voltage products.

How It Works

The system is powered by a low-voltage AC transformer (a). The junction box (b) disperses the power from the transformer to the individual lighting components. When installing junction boxes on a composite or aluminum railing, they’re typically located at the top of the post. When installing on a wood railing, they can be located at the bottom of the post.

The individual lighting components (c) clip into the outlets in the junction box to receive power. Extension cords and 3-1 splitters are available to span distances from junction box to lighting components.

Installation Guide

Step 1: Install the transformer in accordance with the instructions included.

Step 2: Run your main low-voltage cable from the transformer, around the perimeter of the deck, to the location of each light. Leave extra loops at the top or bottom of each post where you intend to install your junction boxes.

Step 3: Install junction box.

3a Cut the wire loop where you plan to install the junction box. Strip both ends of the wire (fig. 1a).

3b Remove junction box cover and loosen screws on inside of junction box.

3c Insert both ends of the wire, into each side of the junction box and tighten screws (fig. 1b).

3d Replace junction box cover.

Step 4: Install Lighting Components.

4a Low-voltage Post Caps

1. Plug the male end of the clip (d) into one of the junction box outlets and place the post cap onto the post (fig. 2).

4b Low-voltage Post Sconces

1. Determine the location of the sconce on the post. Using the back of the sconce (e) as a template, mark the location of the two screws.

2. Attach the back of the sconce to the post using the screws provided.

3. Drill a 5/16” hole directly in between the two holes for the wire. Run the wire from the sconce cover (f) through the hole in the post to the junction box (fig. 3).

4. Snap the sconce cover to the back of the sconce.

5. Plug the male end of the clip into one of the junction box outlets.
**4c** Underrail strip light

1. If installing under a bottom rail, it is best to attach the light to the rail prior to attaching the rail to the post.

2. Install each bracket to the underside of the bottom rail using the screws provided. Center holes in the bracket should be 18” apart. Snap strip light into each bracket (Brackets pivot on center screw to line up with the lights) (fig. 4a).

3. Install railing according to the instructions included.

4. Drill a 5/16” hole in the post directly below the bottom rail. Run the wire from the light through the hole in the post to the junction box. An extension cord may be needed depending on the height of your post (fig. 4b).

5. Plug the male end of the clip into one of the junction box outlets.

**4d** Deck lights (fig. 5)

1. Determine the location of the deck light and mark.

2. Use a 1” spade bit to create a through-hole in the deck board. Be sure not to drill into the substructure.

3. The deck light includes two accent collars (black and bronze). Remove the accent collar that will not be used. Insert the wire through the accent collar and pull until the collar meets the lip on the light.

4. Insert the wire and the deck light through the hole in the deck board. Push the light into the hole until the lip touches the surface of the deck board.

5. Insert the male end of the deck light clip into one of the junction box outlets.

6. Deck lights may be strung together by inserting the female end of the deck light clip into the male end of another deck light.