Low Voltage Installation Instructions & User Guide

Say Hello To Brighter Nights!

Congratulations on your new Effuse Lighting! We're so glad you chose to work with us to brighten up your outdoor space. If you have any questions or need further help with installation, please contact your retailer.

Please Note:

Do not cut any wires. Only use Effuse Lighting products in your lighting plan. It is the installer's responsibility to understand and adhere to local building codes and safety requirements, and to obtain all required building permits before installing. Effuse Lighting and your retailer are not liable for improper or unsafe installations of this product.

Warranty Information

Your Effuse Lighting is covered by a lifetime limited warranty! Installing Effuse Lighting with wires, wire harnesses, transformers, or other appliances outside of the Effuse Lighting brand will void all warranties.

Required Tools for Assembly

- Screwdriver or power drill
- Cable staples
- 5/8" drill bit
- 1" drill bit
- Centerpunch
- 5mm pilot drill bit

Recomended tool

- Electricians wire snake
- Masking tape

Share Photos So We Can Celebrate With You!

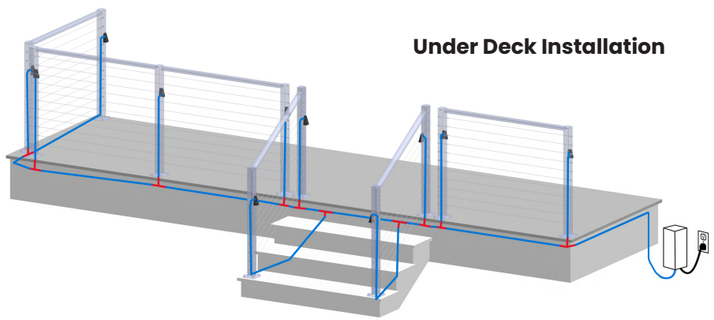
We would love to see pictures of your finished project and celebrate your amazing new outdoor space with you! Tag **#EffuseLighting** on social media to share your best photos. We especially love to see before & after photos so we can celebrate the transformation!

Creating Your Lighting Plan

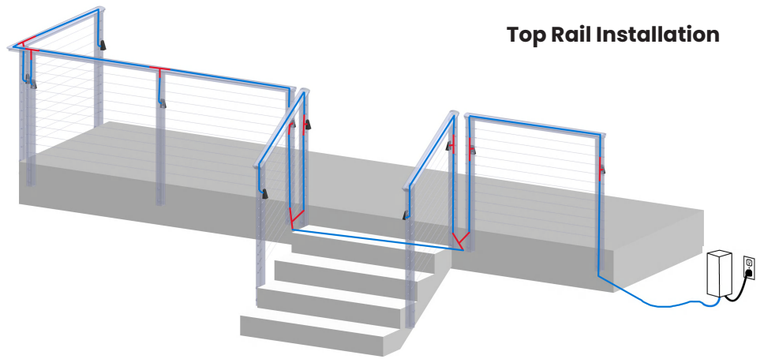
Sample Lighting Plan

Here's one example of how to set up your outdoor lighting plan:

Under Deck Installation



Top Rail Installation



Notes:

- Your components may not look exactly like what's pictured in diagrams, depending on your specific size and spec
- Depending on your installation, you may need to enlarge the center hole in your base plate using the supplied 5/8" drill bit

Transformer & Wiring

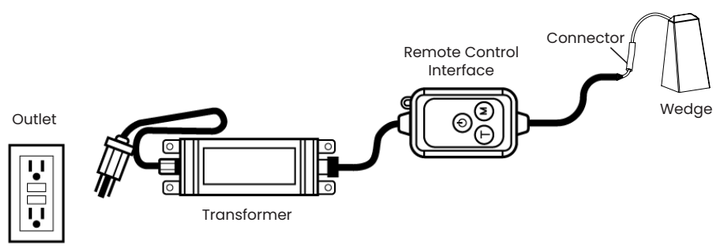
How To Wire:

Step 1: Plug your transformer into a standard 110-volt wall outlet. It will transform the electricity down to the safe 12-volt level that your outdoor lighting runs on.

Step 2: Plug the included remote control interface into the plug-and-play end of your transformer (two-prong wire terminal).

Step 3: Plug a wire harness into the plug-and-play end of the remote control interface (three-prong wire terminal).

Step 4: Use wire harnesses and splitters to connect all of your Effuse lights to your lighting circuit. All Effuse Lighting products are compatible with each other and use the same style of plug-and-play connectors.



Notes: Run wire harnesses under your deck frame, but don't run wires between joists and deck boards. If you use cable staples to hold wires in place, make sure the staples don't puncture or crush your wires.

Notes (Continued): You can run wiring inside of hollow metal posts or composite post sleeves. For solid wood posts, you can drill channels for the wires or run the wiring up the outside of your post and hide it behind decorative trim(not included).

Transformer Size:

Each light requires a certain wattage to power it. You'll need to make sure your transformer has enough watts to power all of your lights.

Example based on diagram below:

Transformer (60W)	54W Max	
Wedge Light	0.33 EA	160 Total

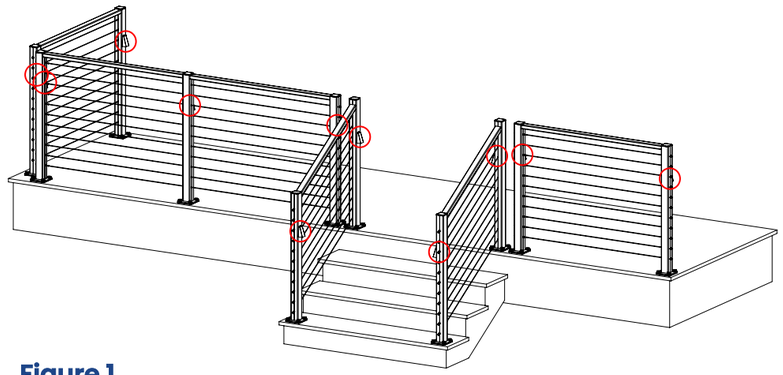


Figure 1

Lighting spread at different heights

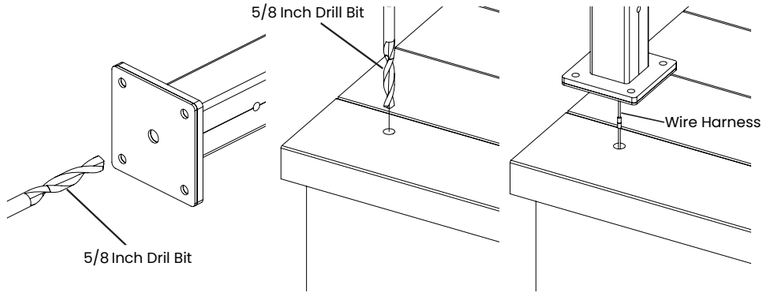
Lighting shadows will appear based on the placement of the Wedge light.

See Figure 2 for drilling information

Pre Existing Railings

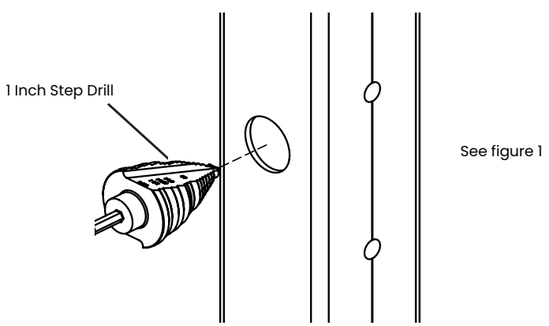
Below Deck installation for Post To Post (P2P)

Step 1: Drill a 5/8" hole in base plate center and feed wire through bottom up



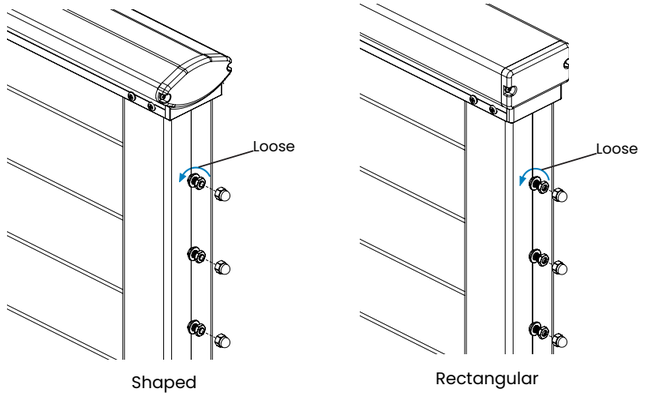
Step 2: Measure and mark center of post, use a centerpunch and pilot drill bit before drilling 1" hole for wire connector to pass through.

Figure 2

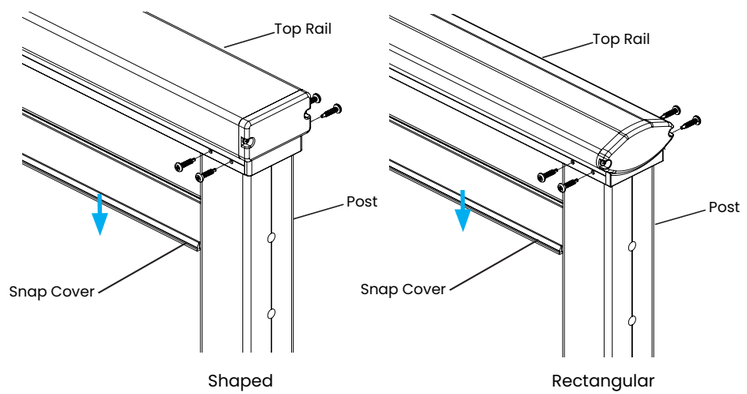


Above deck installation for Rectangular /Shaped Rail

Step 1: Loosen all cable tensioners using the appropriate tool.

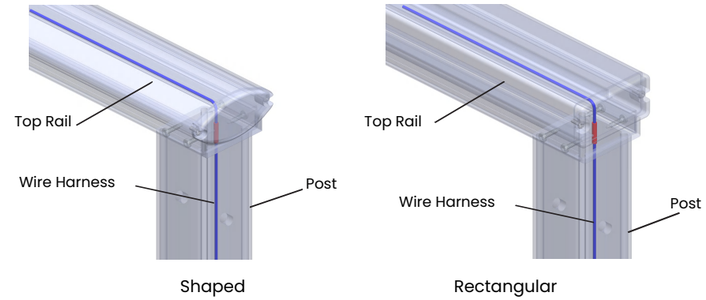


Step 2: Remove Snap cover

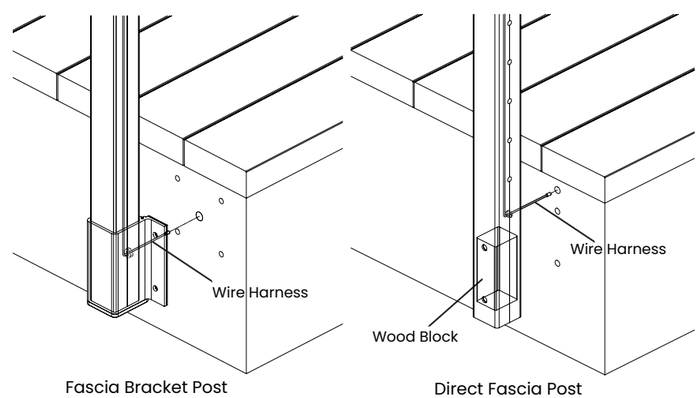


Step 3: Measure and mark center of post, use a centerpunch and pilot drill bit before drilling 1" hole for wire connector to pass through, Reference Figure 2

Step 4: Feed wire harness through Posts and Top Rails



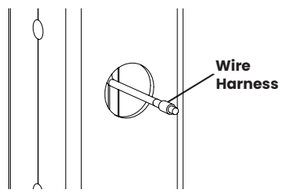
Note: Direct fascia mount situations using a wood crush block, drill hole on backside of post above block for wiring



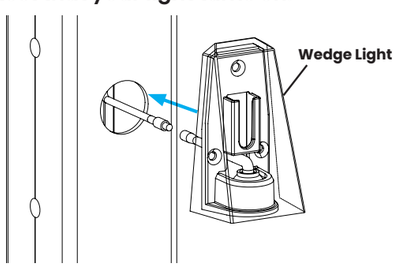
EFFUSE LIGHTING™

Wedge lights

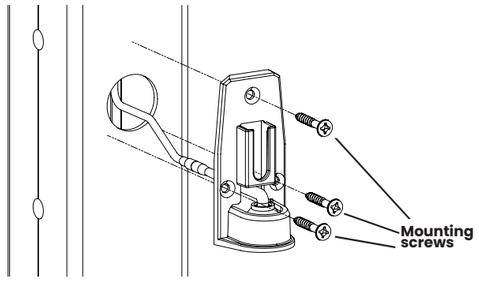
Step 1: Drill How To Install: 1-inch hole in post and run wire harness out



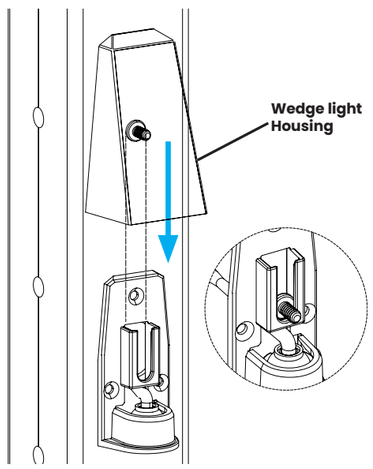
Step 2: Plug wire harness into the inside of wedge light
Detach the inside of the wedge light from the outside housing. Plug it in and test that your light turns on.



Step 3: Use mounting screws to mount inside of wedge light to post or post sleeve

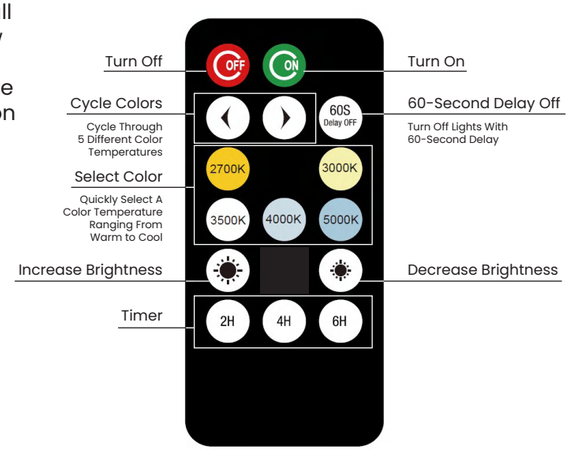


Step 4: Slide wedge light housing onto inside of wedge light



Remote Control Setup & Operation

The Effuse Lighting remote control is compatible with all Effuse Lighting low voltage and solar lights. Approximate range for operation is 35 feet.



Changing The Color Of Your Lights

Effuse Lighting is 5CCT - that means each fixture can emit light at different color temperatures to better match the other lights inside and outside of your home.

Cycle through the five color temperatures (2700K, 3000K, 3500K, 4000K and 5000K) using your Remote Control.

WARNING:

1. The remote control included utilizes a 3V CR2025 battery: only replace with the same battery type.
2. Remove and immediately recycle or dispose of used batteries according to local regulations, and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
3. Even used batteries may cause severe injury or death.
4. The remote control contains a button battery. If swallowed, it could cause severe injury or death in just 2 hours. If you suspect your child has swallowed or inserted a button battery, immediately seek urgent medical assistance.
5. Non-rechargeable batteries are not to be recharged.
6. Do not force discharge, recharge, disassemble, heat above 140°F / 60°C or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
7. Ensure the batteries are installed correctly according to polarity (+ and -).
8. Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
9. Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
10. Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

⚠ WARNING:

- **INGESTION HAZARD:** This product contains a button cell or a coin battery
- **DEATH** or serious injury can occur if ingested
- A swallowed button cell or coin battery can **Internal Chemical Burns** in as little as **2 hours**
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.