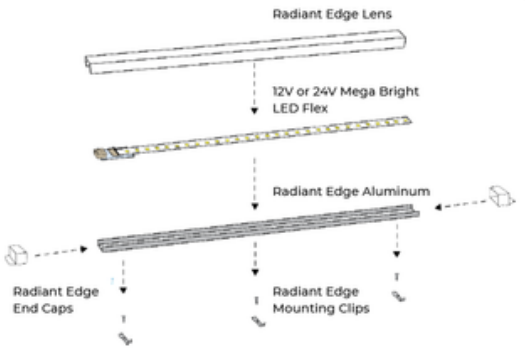
Radiant Edge DIY 3/8" Short Panels
Installation Guide

Inspired LED

Questions? We're Here to Help: (480) 941-4286

Diagram:



Instructions:

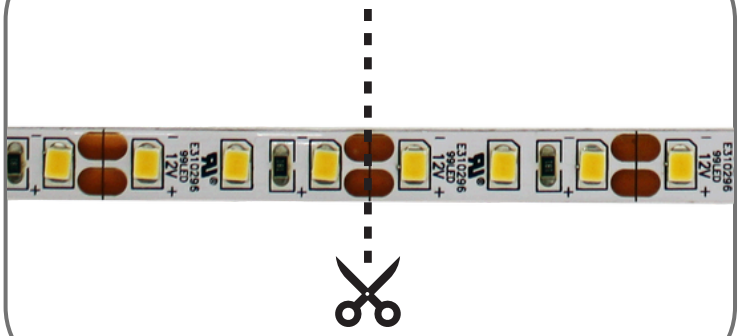
Please note; instructions are intended to guide the construction of Radiant Edge Series panels. It is recommended that all drywall and electrical work be completed by licensed and experience professionals.

Materials:

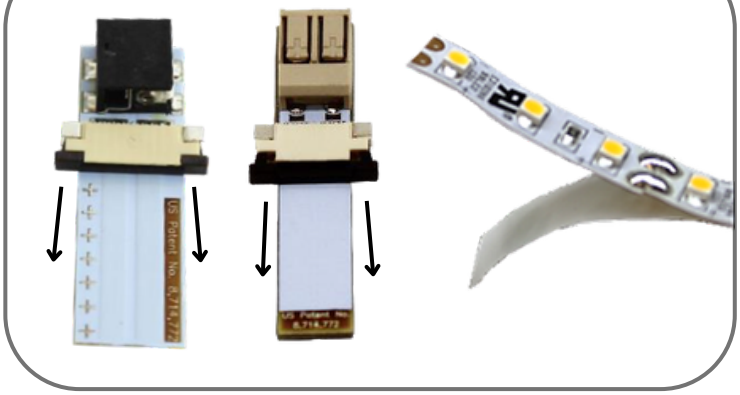
- Measuring tape
- Scissors
- Sharp dikes or hand clippers
- Wire strippers (for Screw Terminals)
- Super glue (if desired)
- Phillip's head screw driver
- Radiant Edge Aluminum
- Radiant Edge 3/8" Short Lens
- Radiant Edge 3/8" Short End Caps (2 each)
- Radiant Edge Metal Mounting Clips or VHB adhesive
- 12V or 24V Flexible LED Strips (1 per panel)
- 3.5mm Plug-In Tiger Paw or Micro-Locks
- 18-22AWG cable
- 12V or 24V power source

Step 1: To build, begin by measuring total available space for each completed Radiant Edge Series panel.

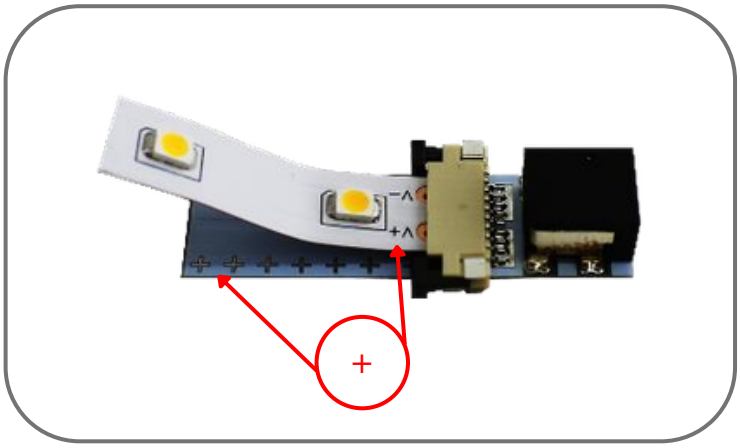
Step 2: Determine length of LED strip by taking total available space and subtracting 2" for each connector needed. *If using a connector on one side, subtract 2" total; a connector on both sides, subtract 4" total.*



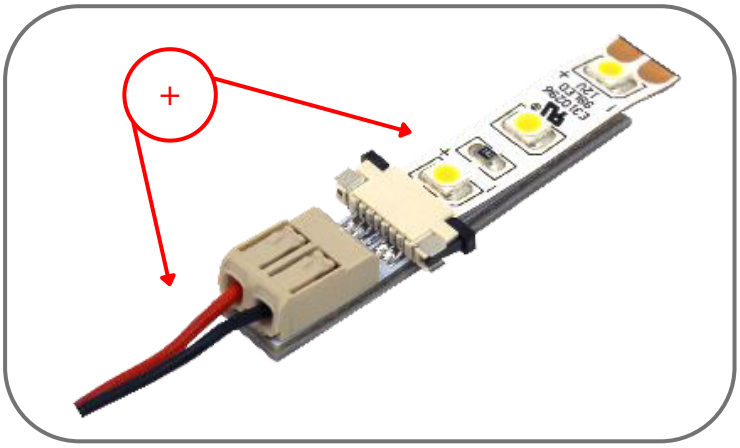
Step 3: Use scissors to cut along copper pads located closest to subtracted measurement without going over.



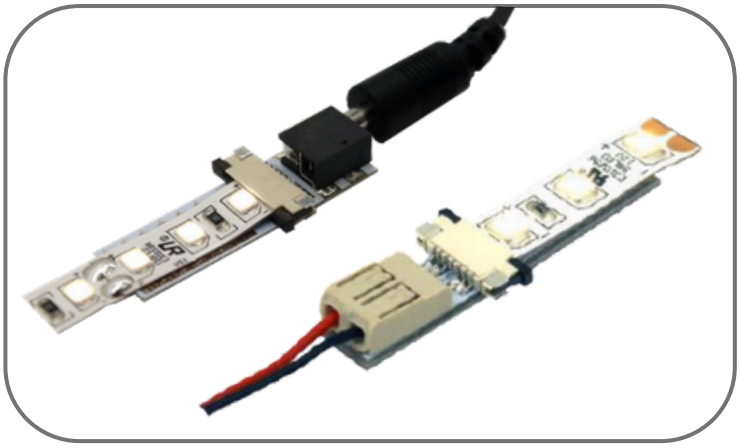
Step 4: Prepare to attach 3.5mm Plug-In Tiger Paw or White Screw Terminal by peeling back adhesive lining from LED strip, and pulling open black sliding latch or loosen input screws.



Step 5: Insert LED flex between black latch and bridge connector, then slide latch closed. *If using standard Plug-in Tiger Paws, ensure polarity of connectors is matched to the polarity of the strip.*



Step 6: If using Micro-Lock Tiger Paw, identify the polarity as marked along the strip- this will determine polarity of wiring. *Positive wire will align with positive side of LED flex strip.*

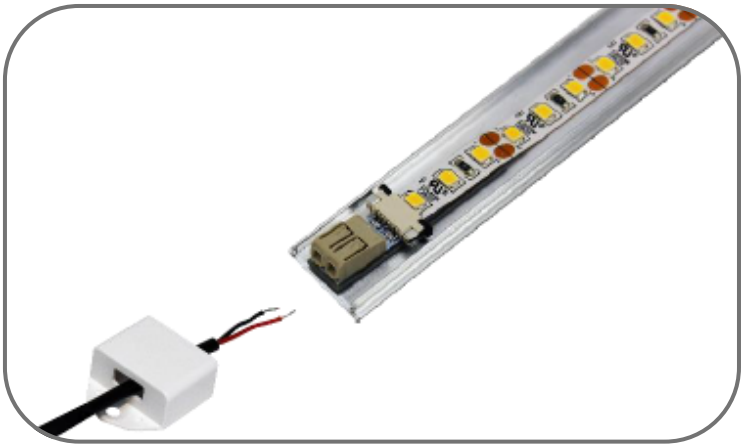


Step 7: Use power supply to test strip functionality. If lights do not turn on, double check that polarities are properly matched. Repeat steps 4-7 to add connectors to opposite sides of flex.

Step 8: Remove adhesive backing from both LED strip and connectors. Carefully align with edge of aluminum channel and adhere strip along the center

Step 9: Use dikes to cut aluminum to length as close as possible to the Tiger Paw on opposite end of LED strip. Snip each raised edge, and bend aluminum back and forth until fully separated.

Step 10: Cut plastic lens to length using table saw. Or use dikes to snip each edge, then gently bend plastic back and forth until fully separated.

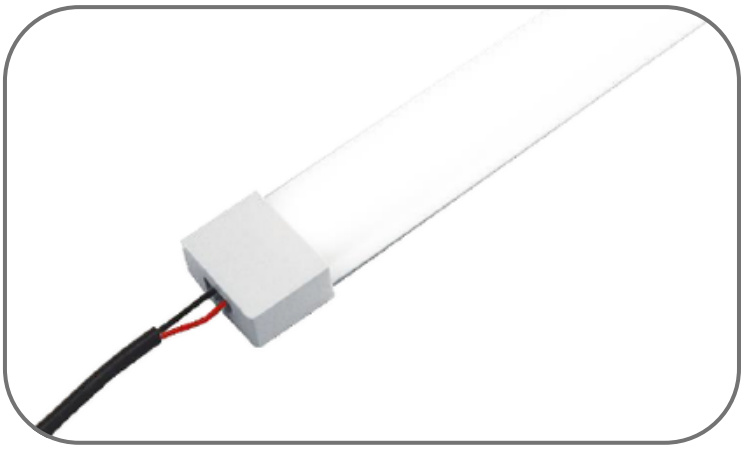


Step 11: If using Micro-Lock Tiger Paws, select desired 16-22AWG solid cable and strip back ends about 1/4" of an inch. Feed wire through end caps before matching polarity and inserting into Micro-Locks. Check for functionality before proceeding.

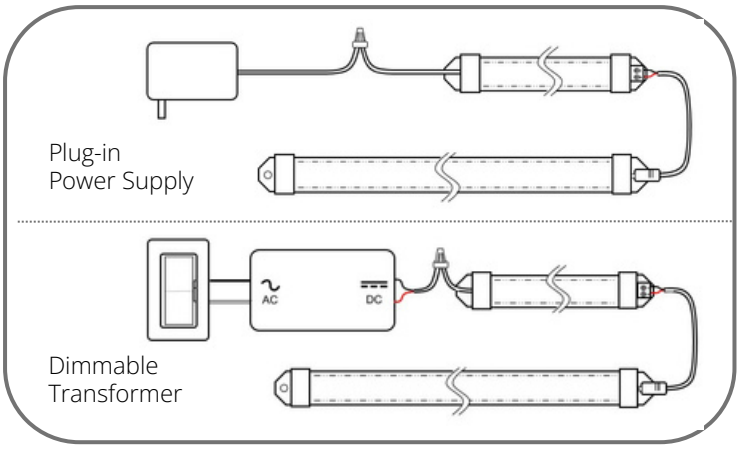
Step 12: If using 3.5mm Plug-In Tiger Paws (or once Micro-Lock has been wired up), snap lens onto aluminum and slip desired end caps onto each side. A dab of super glue may be used to secure caps in place if desired.

Step 13: To install, secure Radiant Edge panel onto desired surface using screw holes on end caps. Or if preferred, end cap tabs may be bent and removed, and mounting clips used for support every 12".

Step 14: If using plug-in Tiger Paws, simply insert 3.5mm x 1.3mm plugs from Inspired LED cables or power supplies into female input jacks.



Step 15: If using Micro-Lock Tiger Paws, run cables back to power supply and make connection using wire nuts.



Step 16: Follow corresponding instructions for incorporating switches, dimmers, and transformers to complete the LED system. See Inspired LED power charts for information on wattage and voltage drop.