

iDea Series DIY Panels

Installation Guide

Inspired LED

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

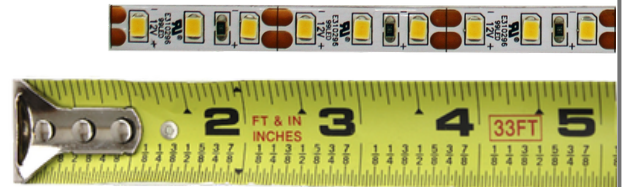
Instructions: Please note; instructions are intended to guide the construction of iDea Series panels. It is recommended that all drywall and electrical work be completed by licensed and experience professionals.

Materials:

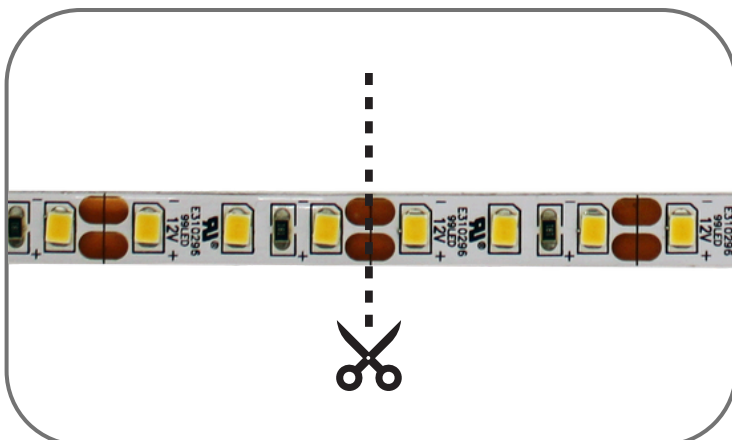
- Measuring tape
- Scissors
- Sharp dikes or hand clippers
- Wire strippers
- Super glue (if desired)
- Phillip's head screw driver
- iDea Series Aluminum
- iDea Series Lens
- iDea Series End Caps (if needed)
- Metal Mounting Clips or VHB adhesive
- 12V or 24V Flexible LED Strips in desired color
- Tiger Paws with 8mm PC board only
- 18-22AWG cable
- 12V or 24V power source



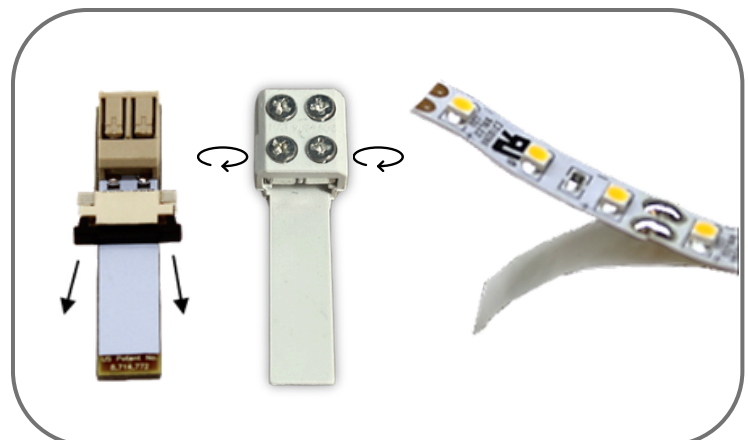
Step 1: To build, begin by measuring total available space for each completed iDea Series panel.



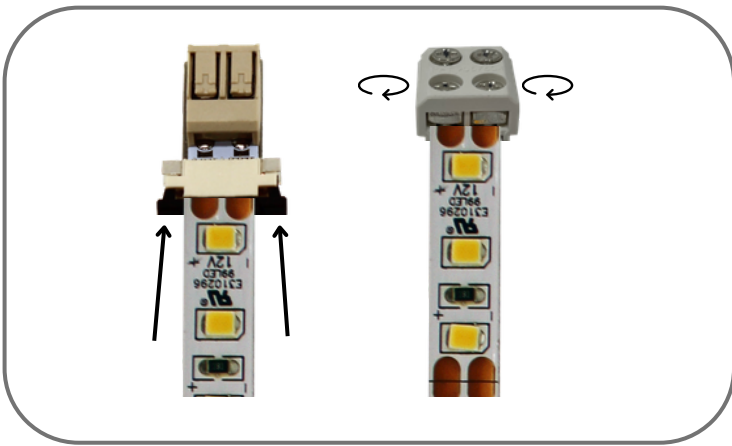
Step 2: Determine length of LED strip by taking total available space and subtracting 1.5" for each connector needed. *If using a connector on one side, subtract 1.5" total; a connector on both sides, subtract 3" total.*



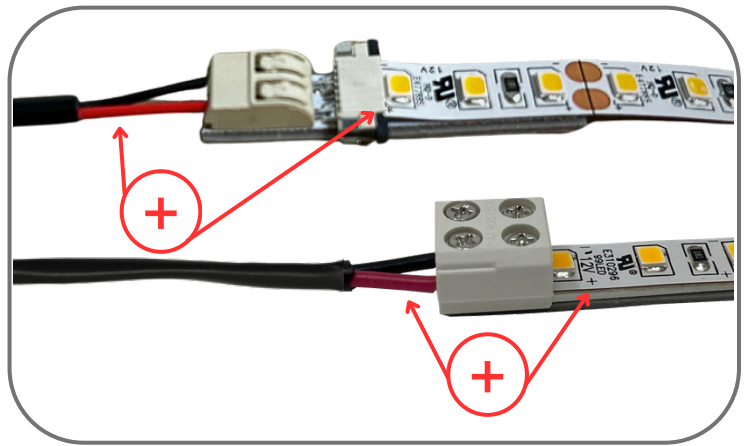
Step 3: Use scissors to cut along copper pads located closest to subtracted measurement without going over.



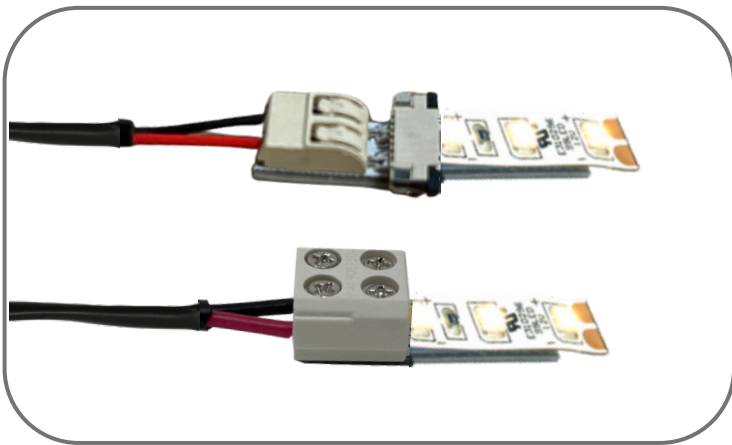
Step 4: Prepare to attach Tiger Paw or iDea Series Connector by peeling back adhesive lining from LED strip, and pulling open black sliding latch or loosen input screws.



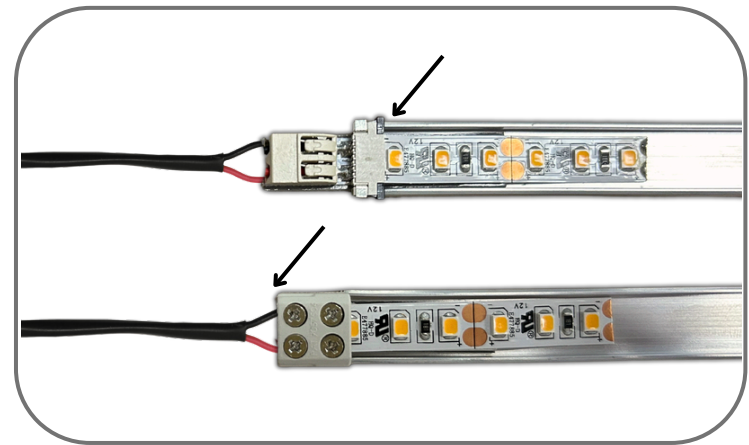
Step 6: If using a Tiger Paw, insert LED flex between black latch and bridge connector, then slide latch closed. If using the iDea Series Connector, insert flex into connector and tighten screws.



Step 7: Identify the polarity marked along the strip - this will determine polarity of wiring. *Positive wire will align with positive side of LED flex strip.*



Step 8: 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 9: Remove adhesive backing from LED Strip and connectors. Carefully align connector with edge of aluminum channel and adhere along the center. *For Tiger Paws, the black latch will be placed on the edge of the aluminum; for iDea Series Connectors, the connector will be placed directly on the aluminum (lining up the edges).*



Step 10: Use dikes to cut aluminum to length as close as possible to the end of the LED strip. Snip each raised edge, and bend aluminum back and forth until fully separated.



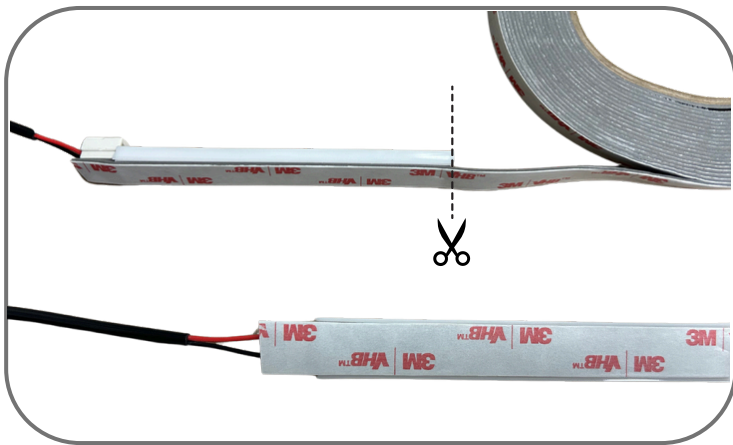
Step 11: Measure and cut plastic lens to length. For easiest cut, use dikes to snip each edge, then gently bend plastic back and forth until fully separated.



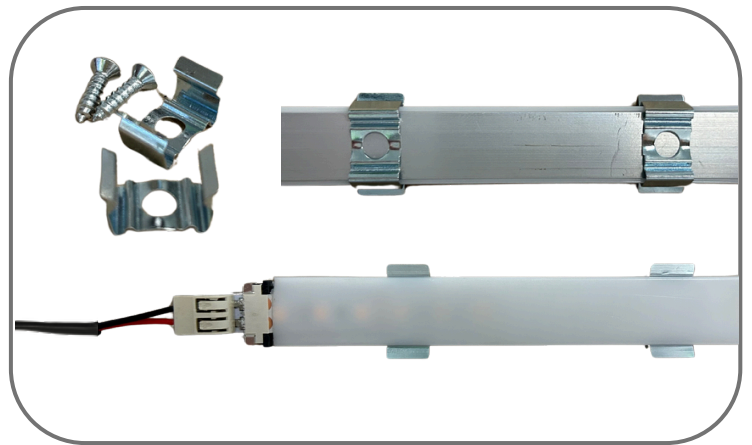
Step 12: Snap cut lens onto aluminum. *For Tiger Paws, install lens up against the black latch on the connector; for iDea Series Connectors, install lens up against base of connector.*



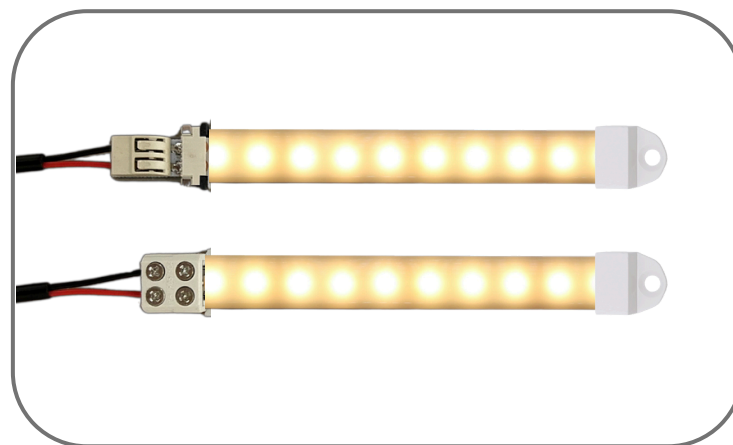
Step 13: For panels with only one connector, use an end cap on the opposite end. A dab of super glue may be used to secure cap in place if desired.



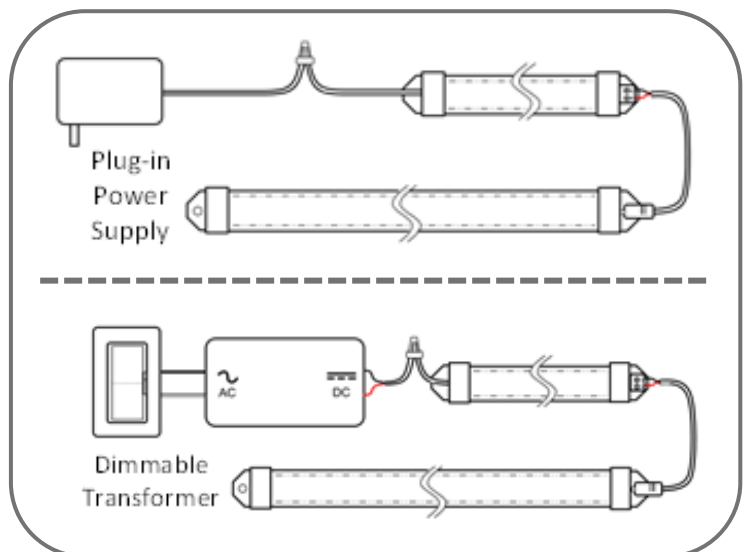
Step 14: To install, if you are looking to use VHB adhesive, turn panel over and line double-sided adhesive on aluminum. Cut the adhesive to length of panel. When ready, remove 3M backing and adhere completed panel in place.



Step 14: To install, if you are looking to use metal mounting clips, secure clips onto desired surface using provided screws. Secure panel up into metal clips once complete.



Step 15: Once panels are installed, complete setup by adding all interconnect cables and accessories.



Step 16: Follow corresponding instructions to incorporate switches, dimmers, power supplies and transformers for a complete LED system.