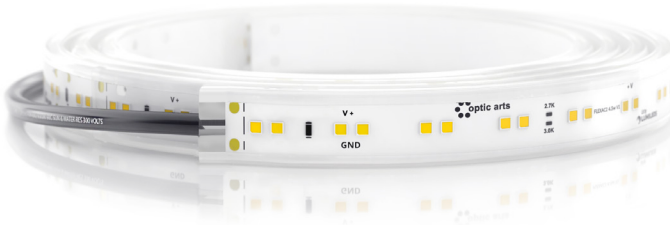


# FLEX ACV2 INSTALLATION GUIDE

Warning - 120VAC Line Voltage Product



**Please read entire guide prior to starting installation.**

## Safety and Warning

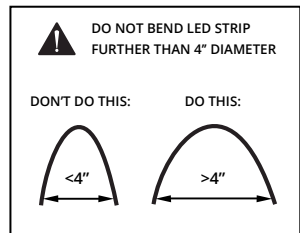
- Product is not field cuttable. Attempting to field cut product may result in electric shock and will void the UL certification. Do not puncture, cut, shorten or splice strip light.
- Do not use if there is any damage to the strip light or AC cord insulation
- Installation must be carried out by a licensed electrician.
- All installations must be executed in accordance with local codes.
- Do not subject to continuous strip light flexing. Please observe bending diameter instruction of 4" diameter to not damage the strip light.
- The installing contractor assumes all liability for the safety and code compliance of the installation.
- Optic Arts is not liable for any damages caused by improper wiring, circuit overloading, power surges, poor system design or layout, negligence or excessive force to connections.
- Secure strip light using mounting brackets or mounting extrusion provided by Optic Arts. Do not secure with staples, nails or any material that will pierce and/or damage the insulation. Doing so will void the product warranty and may cause electric shock.
- Do not route the cord through walls, doors, windows, or any other like part of building structure.
- S.C.T. Junction Box cannot be recessed. Must be surface mount.
- Do not exceed 100' of armored cable between SCT module and small junction box.
- This product is intended for indoor use only. Do not mount in wet location areas.
- S.C.T. module/Rectifier can hold a charge up to 2 minutes. Allow 2 minutes for discharging and the LED indicator light to turn off before cutting power prior to servicing.



**WARNING! This product is not to be cut in the field. Doing so will void the warranty, UL certification and can result in electrical shock.**

**S.C.T. Module/Rectifier can hold a charge up to 2 minutes. Allow 2 minutes for discharging after cutting power prior to servicing.**

**Handle with care. Do not exceed bending diameter as specified. Do not put excessive stress on power feeds.**

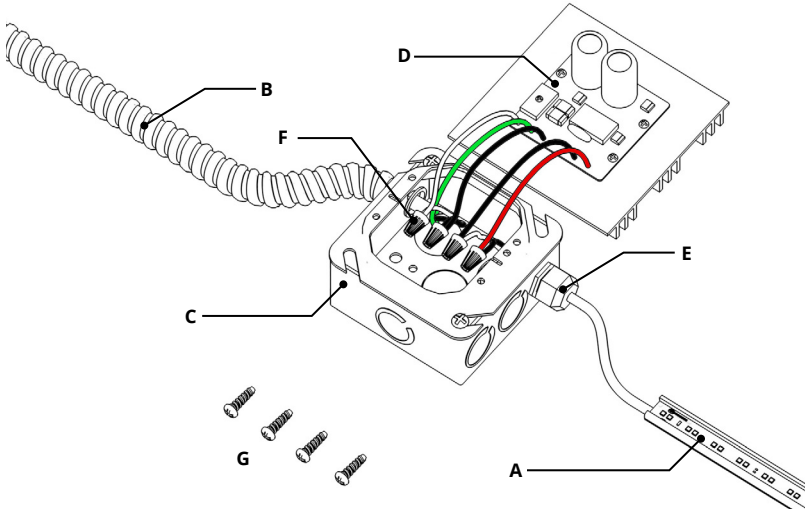


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# FLEXACV2 INSTALLATION GUIDE

## Electrical Installation

1. Ensure that all power is off at the breaker panel prior to starting installation.
2. Install the rectifier in the provided 4"x4" metal junction box. Figure 1 shows all the parts. Steps 1 to 4 show the assembly processes.



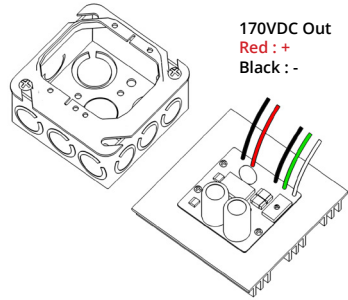
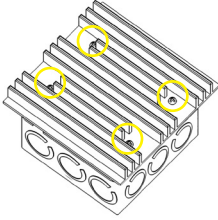
**Figure 1. Part List**

- A. ACV2 LED Strip and Power Cable
- B. 120VAC Input Conduit
- C. 4" x 4" Metal Junction Box
- D. Rectifier
- E. 1/2" strain relief connector
- F. Wire Nuts
- G. 6/32 mounting screw

# FLEXACV2 INSTALLATION GUIDE

## Electrical Installation

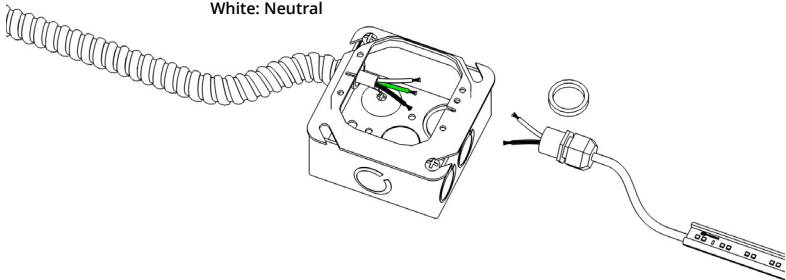
1.



**Step 1:** Unscrew 4 screws (yellow circles) on the top of the heat sink, take the driver out of the junction box.

2.

120VAC In  
Black : Line  
Green-yellow : Ground  
White: Neutral

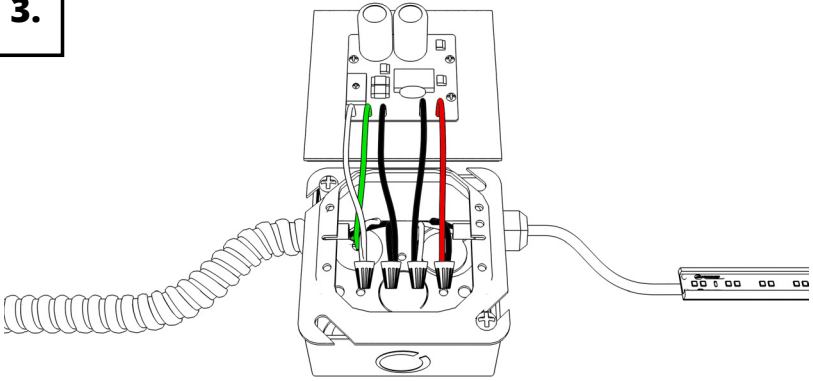


**Step 2:** Knock out two holes on the J-Box, put on the ½" strain relief connector for the ACV2 tape, run the 120VAC wires from the conduit.

# FLEXACV2 INSTALLATION GUIDE

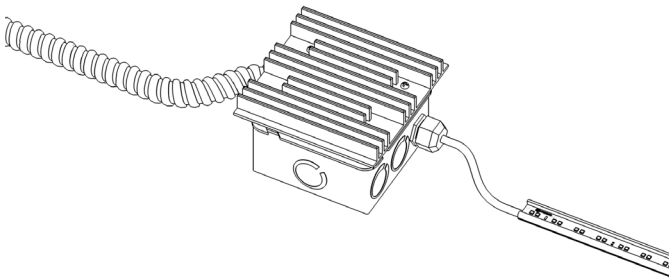
## Electrical Installation

3.



**Step 3:** After tightening the connector to the J-Box, use wire nuts to connect the rectifier VDC out to the power feed cable, black to white, red to black; Connect 120 VAC power wires to the rectifier input side, the minimum wire size should be 18 AWG, tighten the J-Box cover.

4.



**Step 4:** Bend the dielectric paper on the side of the driver, screw the driver back to the J-Box and restore power to circuit once junction box is closed.

# FLEX AC INSTALLATION GUIDE

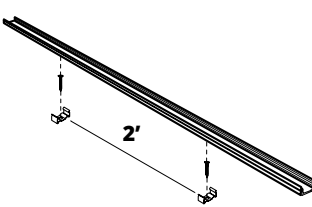
## Installation in Aluminum Channel

1. Cut the channel to length as needed.
2. Mark placement for channel mounting brackets or wood screws 2' apart or use mounting brackets 12" apart to secure aluminum extrusion in place.
3. Drill screws directly through the channel 2' apart and into the mounting surface spacing screws two feet apart or use (if using mounting brackets for the channel, do not do step 3)
4. Uncoil FLEXAC strip, carefully align with the channel and press down firmly to install, starting at one end and working your way down. The tape must be fully installed in the channel from power feed to end cap with no gaps.
5. Cut grommet if needed. Install grommet and end cap on cable.

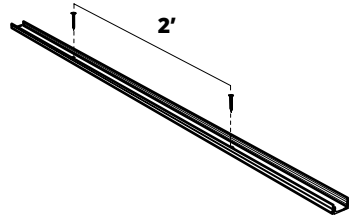


Handle with care. Do not put excessive stress on power feeds.

1.



**Option A.** Channel Mounting Clips



**Option B.** Direct Channel Mounting

2.

