



INSTALLATION INSTRUCTIONS RECESSED EXTRUSIONS WITH LED TAPE

LLI-XR-CRV
LLI-XR-ELF
LLI-XR-IC1F

LLI-XR-IC2F
LLI-XR-SQF
LLI-XR-THF



DANGER: Prior to installation, disconnect power at the source.

Make sure you have all components listed below:

- LED tape
- 24VDC Power Supply
- Connectors (if creating DIY connections)
- Extrusion/Lens
- Mounting adhesive

INSTALLATION INSTRUCTIONS

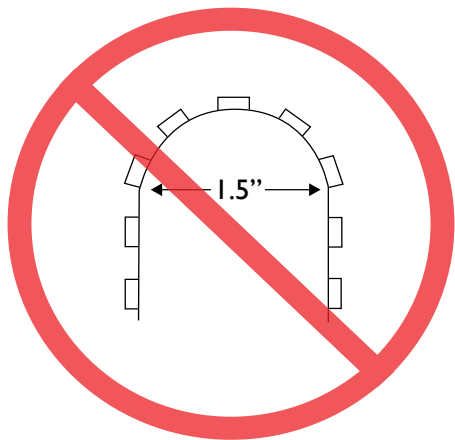
RECESSED EXTRUSIONS WITH LED TAPE

Please read all steps before beginning the installation.

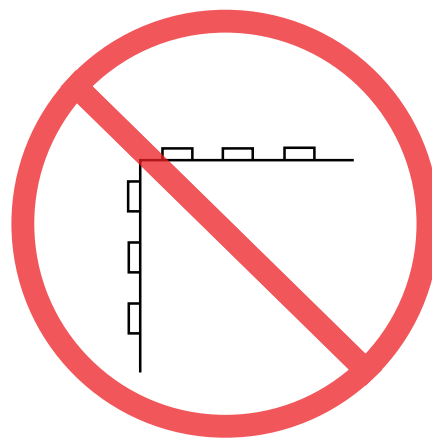
- **WARNING:** Do not connect directly to high voltage power (120V-277V). Use only with 24V DC hardwire or plug-in power supply. Factory warranty will be void if used otherwise.
- These products may represent a potential shock or fire hazard if improperly installed or attached in any way. Products should be installed in accordance with these instructions, local electrical codes and the National Electric Code (NEC).
- Do not energize LED tape light when rolled up in its spool.
- Uncoated products are intended for indoor use in dry locations. Coated products are intended for outdoor use or in damp/wet locations. Refer to product spec sheet for location ratings.
- Do not use if there is any damage to the unit or to the wiring/insulation. Inspect periodically.
- Do not route cords or LED tape through walls, doors, windows or any similar part of a building structure.
- Do not secure LED tape or its power cord with staples, nails, or any other sharp objects that may cause damage. Mounting adhesive is available (sold separately).
- Do not install LED tape closer than 6" to combustible material.
- Ensure proper gauge wires are installed between Power Supplies, Controls & LED tape to avoid voltage drop.
- Ensure applicable wires are in compliance with local codes (In-wall rated, wet-location, high temperature, etc.).
- Recommended load for power supplies is 80%.

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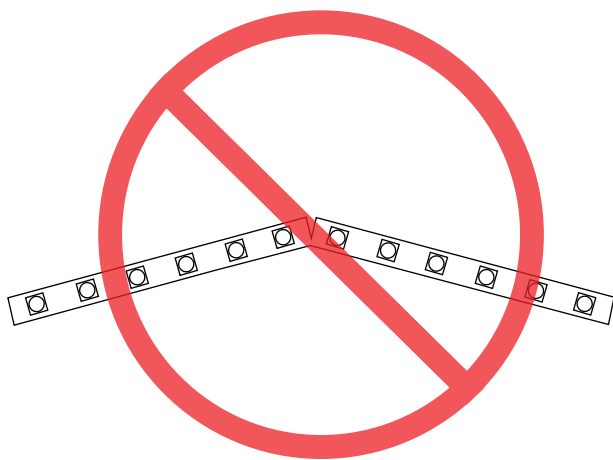
RECESSED EXTRUSIONS WITH LED TAPE



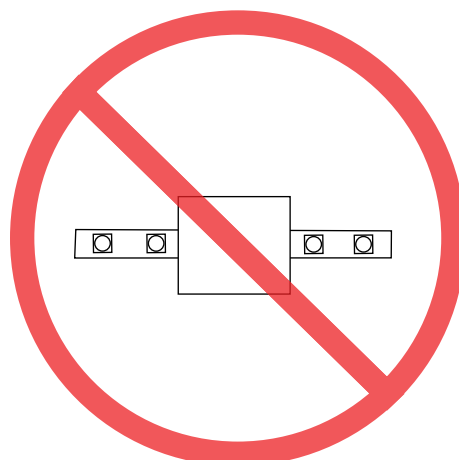
MINIMUM BEND RADIUS
1.5 INCH



DO NOT FOLD OR CREASE
LED TAPE



DO NOT BEND LED TAPE
SIDE TO SIDE



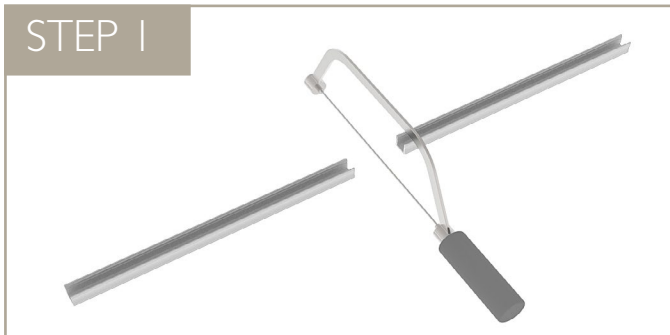
DO NOT COVER LED TAPE OR
APPLY EXCESS PRESSURE TO
LED TAPE

INSTALLATION INSTRUCTIONS

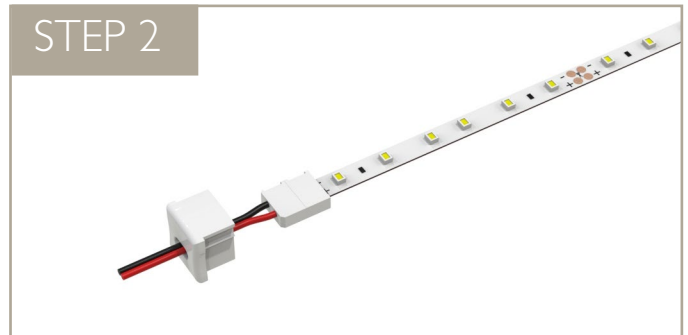
RECESSED EXTRUSIONS WITH LED TAPE

NOTE: If using LED tape connectors, verify that the LED tape and connector width are sized properly to fit into the channel with no interference to the lens.

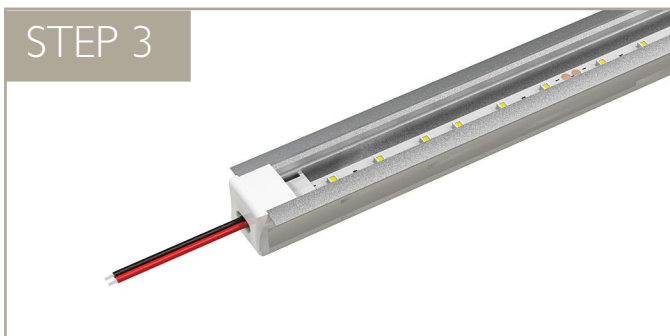
IMPORTANT: The LED tape can only be cut at specific points along the tape. It is essential to dryfit your entire assembly to the cut point of your LED tape before routing/cutting out the mounting surface.



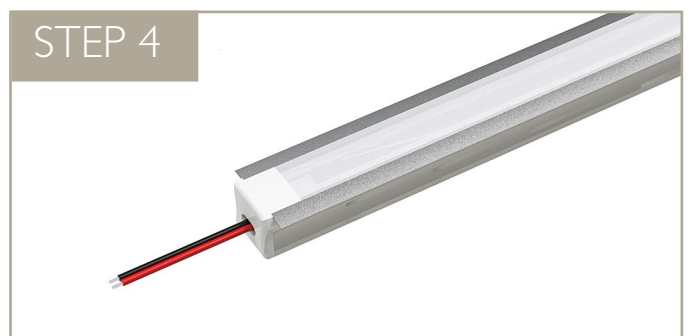
Measure the channel and cut to the desired length. Make sure to accommodate the profile of the endcap and the desired length for your LED tape before cutting.



Pull the wires through the endcap(s) and remove red adhesive backing from the LED tape. NOTE: Some channel types do not have a hole in the endcap, and a hole must be drilled.



Carefully place LED tape inside the aluminum channel and push the endcaps onto the ends of channel. Ensure a tight fit between the channel and endcaps.



LENS OPTION: Measure the opening for the lens between the endcaps. Cut lens to desired length and insert into channel.

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STEP 5



Cut opening into mounting surface using proper width key hole saw and depth setting conforming to your recessed channel type.

NOTE: Be sure to cut opening smaller than the wings of the flanged channel to ensure the opening is completely covered. Drill hole into mounting surface for routing power wire as required. Select appropriate adhesive for securing fixture. Apply adhesive to channel assembly and insert into routed surface.

NOTE: Cut routed opening slightly deeper than depth of channel base to accommodate space for adhesive.

STEP 6



Route wires through opening. Install recessed mounting clips onto back of channel and insert channel assembly into opening.

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STEP 7



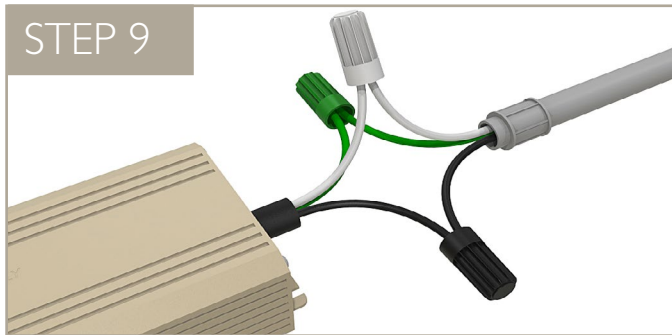
Press the extrusion into opening firmly to securely bond the fixture to the mounting surface.

STEP 8



Locate and route power feed wire back to power supply. Mount power supply in desired location and connect LED tape to low voltage output of power supply.

STEP 9



Connect the power supply to AC power/line voltage. Please refer to the wiring diagram of the power supply being used. Each power supply has its own specific wiring.

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Low Voltage Wire Gauge Chart

24V DC Voltage Drop and Wire Length (ft.) Distance Chart

Power (W)		10W	20W	30W	40W	50W	60W	70W	80W	90W	100W	110W	120W
Wire Gauge	#18	189'	94'	63'	47'	38'	31'	27'	24'	21'	19'	17'	16'
	#16	300'	149'	100'	76'	60'	50'	43'	37'	33'	30'	27'	25'
	#14	478'	238'	159'	120'	95'	79'	68'	60'	53'	48'	43'	40'
	#12	753'	274'	250'	189'	150'	125'	108'	94'	83'	75'	68'	63'
	#10	1205'	599'	400'	303'	240'	200'	172'	150'	133'	120'	109'	100'