

### BEFORE YOU BEGIN

1. Install all drivers and tape in accordance with national and local electrical codes and building standards.
2. In all cases, GM Lighting recommends that you hire or consult with a licensed and qualified electrician or electrical contractor.
3. Do not modify this product. Modifying or mounting this product outside of the directions in this installation guide will void the warranty and may result in injury.
4. Please adhere to Dry and Damp location use restrictions. Dry and Damp locations mean the areas will not get wet but may have moisture in the air. Do not install these products within 10 feet (3m) of swimming pool or spa.
5. Only install with GM Lighting **LineDRIVE** DC LED drivers to maintain the 5 year warranty.
6. Some wattage profiles require installation into GM Lighting LED mounting channels for proper heat control.
7. To avoid voltage drop, ensure that wire gauge used is sufficient to keep under 3% voltage drop.
8. Do not exceed maximum run listed for each tape type, and for power supply (per circuit on dual circuit models).
9. Use GM Lighting approved **LOC2 Series Connectors** for field connections. Contact GM Lighting for soldered connections.
10. Proper installation will ensure many years of successful usage. Failure to follow safety warnings and instructions will void warranty.

### Cutting Tape

Cut at designated cut points only. Cutting anywhere else will result in damage to the LED tape and will void warranty. (Fig 1)

### TOOLS NEEDED:

- Phillips screwdriver
- Marking pen/pencil
- Scissors
- Tape measure
- Wire strippers
- Wire connectors

### PARTS INCLUDED:

- 1 Reel of **LTRS Ultra LED Tape**
- 3 LOC2-TP-60 Power Feeds

### OPTIONAL PARTS:

- 18-2-WIRE in-wall rated cable
- 24VDC Power Supply
- Aluminum Mounting Channel

### WARNING!

**DO NOT CONNECT DIRECTLY TO 120V CURRENT!**

**PLEASE READ PREVIOUS PAGE AND FAMILIARIZE YOURSELF WITH ALL INSTRUCTIONS BEFORE INSTALLING**

### Dry and Damp Location

Dry and Damp location is a designation that usually means 'indoor'. **LTR Series** dry location tape is presented in a copper bus that is not encapsulated with a silicone sheath. To ensure proper operation, install only in locations that are not exposed to water, steam, inclement weather or leaks of any type.

### \*WARNING\*

### Turn Power Off at Circuit Breaker Before Installing

Prior to installation, verify that all components (LED tape, connectors, mounting clips, channels and power supplies) are compatible. Verify that power is off before proceeding.

### Determine Location and Prepare Mounting Surface

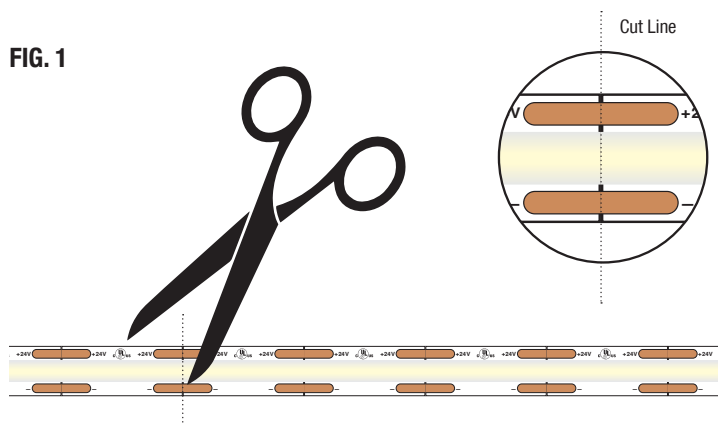
Locate area where **LineDRIVE** power supply is to be mounted. Make sure area is clean and free of dust and any debris that may hamper installation or get in the way of wiring. Please make sure that the wire gauge that you select has voltage drop, amperage rating and type (in-wall, dry or wet location, etc.) factored in

**See the GM Voltage Drop Guide for more information.**

### Layout and Pre-Configure Components Before You Begin Installation

Locate area where **LineDRIVE** power supply is to be mounted. Make sure that this space is free of obstructions and can be easily reached for mounting or maintenance.

FIG. 1



### Attaching Connector

1 - Peel back adhesive backing 1/4" (Fig 2)

2 - Slide end of tape into LOC2 series connector. Squeeze movable section closed until sides snap tight. (Fig 3)

3 - Align 2nd tape with polarity aligned with 1st tape. Insert tape into connector. Squeeze movable section closed until sides snap tight. (Fig 4)

**For all other connectors, please reference the LOC2 connector instruction sheet.**

Make sure that tape is pressed firmly into connector, insuring that tape contacts are firmly seated into connector. Improper or loose seating can cause tape to short out or not perform properly.

Test tape installation by powering up before permanently mounting. If tape does not perform satisfactorily, check our FAQ / Troubleshooting tips.

### Attaching Power to Tape Connector

Please consult power supply instructions for a step by step for this easy procedure. **Make sure that you are connected to the same polarity.**

Cut & separate wires.

1 - Insert wires into connector. (Fig 5)

2-Squeeze movable section closed until sides snap tight.

FIG. 2

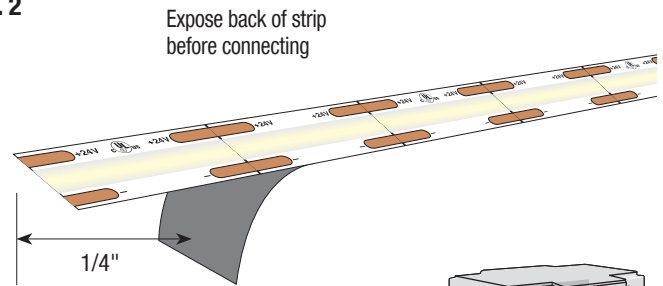


FIG. 3

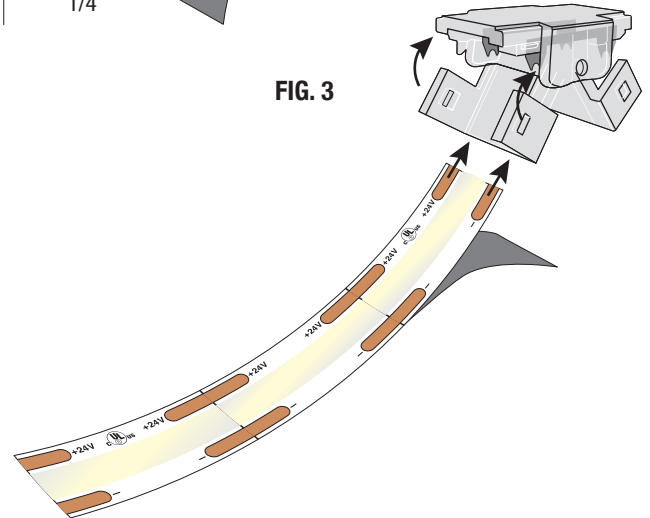


FIG. 4

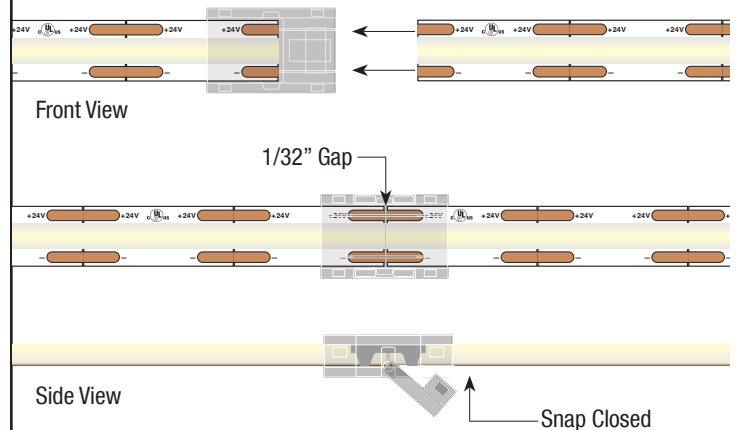


FIG. 5

