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## Installation Instructions for Micro Track Ceiling 48V Single Circuit

MTC48-1C-\_\_

### GENERAL INFORMATION

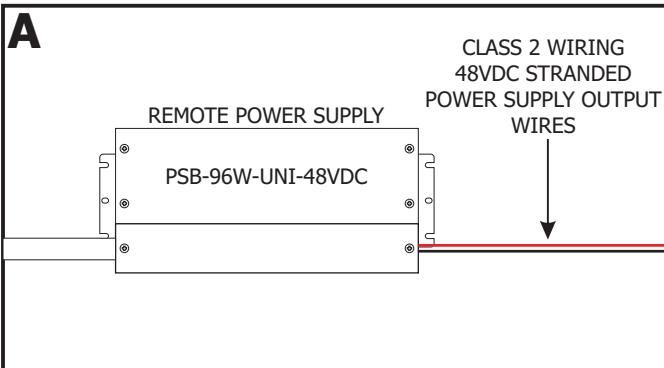
- Maximum linkable wattage per Loop: 48VDC systems, 96W
- Maximum track length per loop up to 40ft for 96W/100W systems.
- Power Supply and Dimming: 48V Power Supply & Class 2 Wiring (ELV, Triac, 0-10V)
- Tracks can be linked continuously without limitation up to 40ft before re-feeding. Sections can be individually controlled, allowing for flexible lighting layouts.
- Minimum loop voltage: Must maintain  $\geq 45$ VDC at the end of each loop. Voltage below 45VDC may result in abnormal operation.
- Power buffer recommendation: Reserve - 20% buffer for linear modules & 25% buffer for other module types.
- Use only Pure Edge Lighting power supplies to avoid flickering, unstable dimming, noise or module failure and void warranty.
- When using multiple power supplies, use non-conductive connectors to separate each circuit.
- Voltage testing before installation: Measure output voltage from MT48-1C-EP with the power supply connected and confirm the reading is 48VDC. Then measure the voltage at the end of the circuit and to confirm no voltage drop.

### IMPORTANT INFORMATION

- This product must be installed by a qualified electrician and in accordance with local electrical codes.
- Before beginning any electrical work, ensure that power is turned **OFF**.
- **DO NOT** install any luminaire assembly close to any curtain or similar combustible material.
- This instruction shows a typical installation.

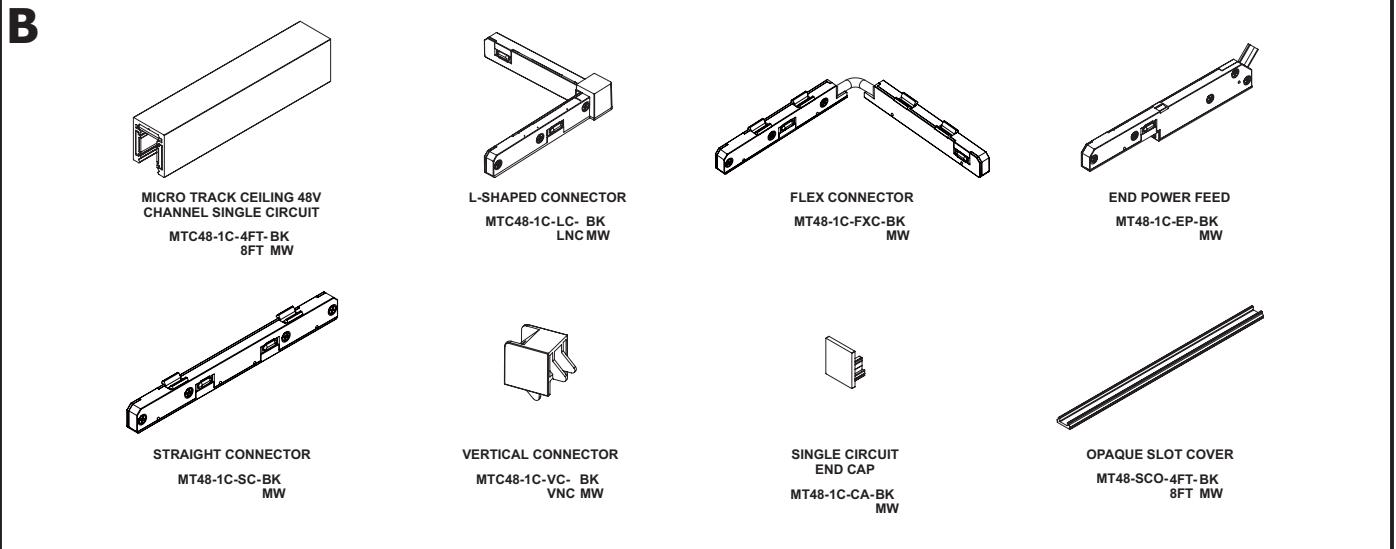
**SAVE THESE INSTRUCTIONS!**

## Section One: Install the Remote Power Supply

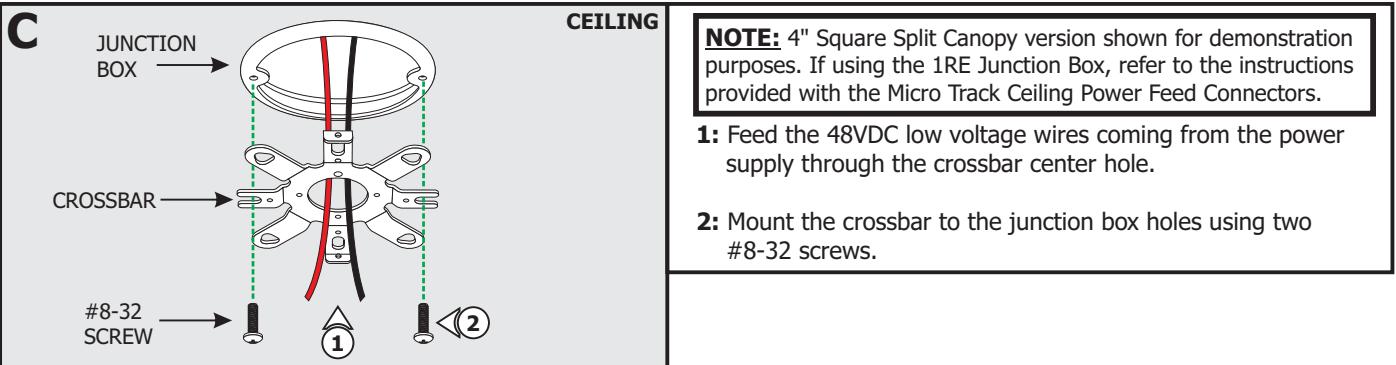


**1:** Remote power supplies must be installed within 40ft of the junction box. Refer to the instructions and wiring diagram provided with the remote power supplies.

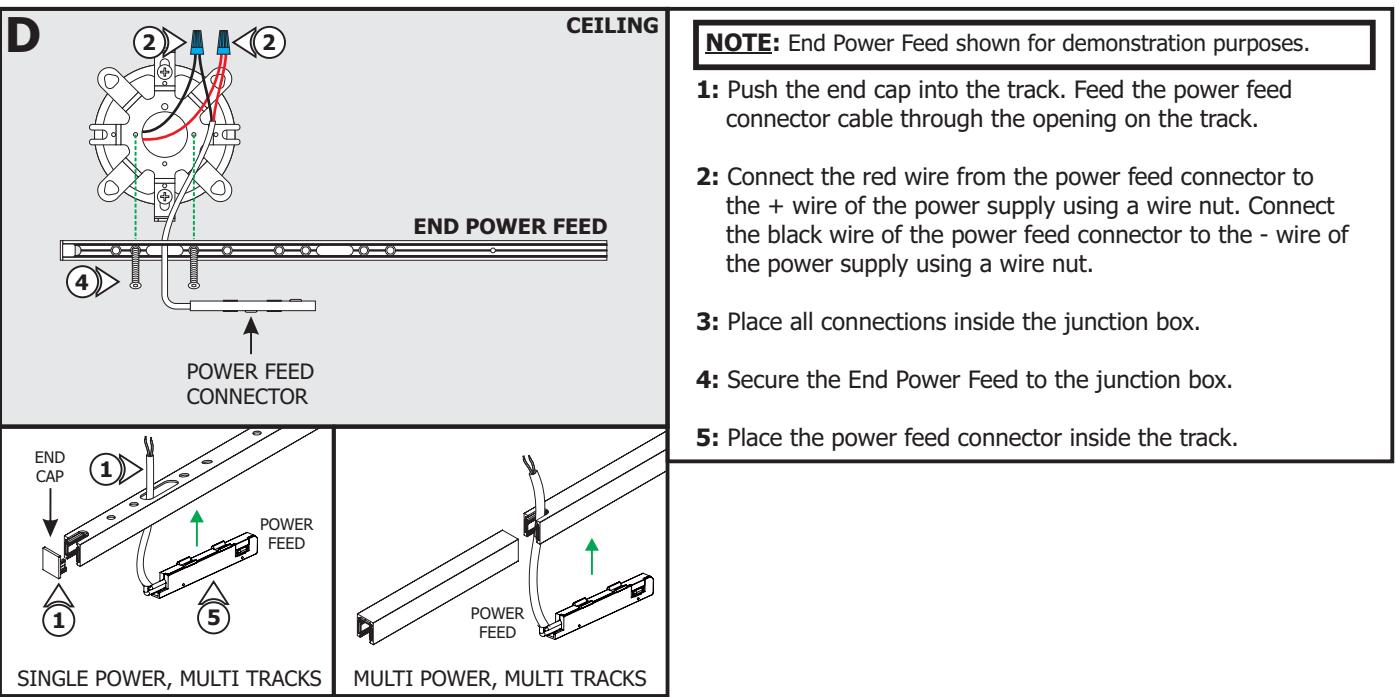
## Section Two: Components

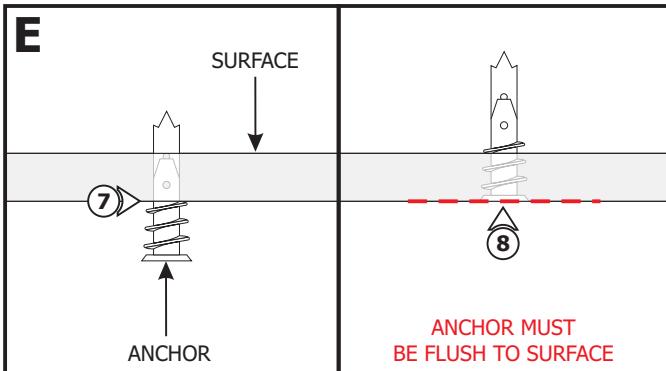


## Section Three: 4" Square Split Canopy



## Section Four: Install the Fixture and Connect Track Sections



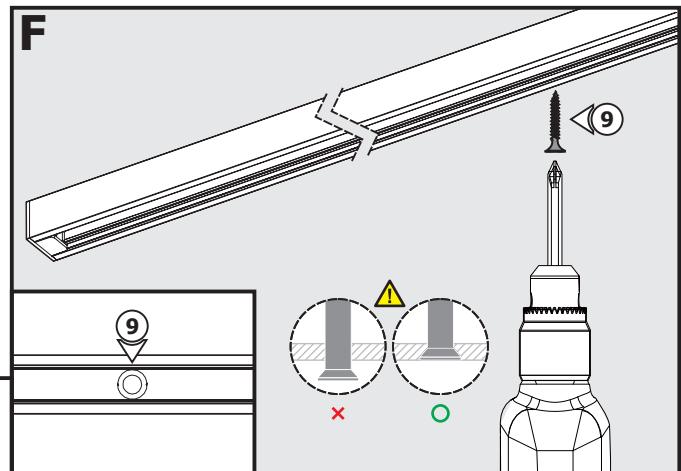


**NOTE:** Steps 7 and 8 are for drywall mounting. Omit these steps if mounting to a wood surface directly.

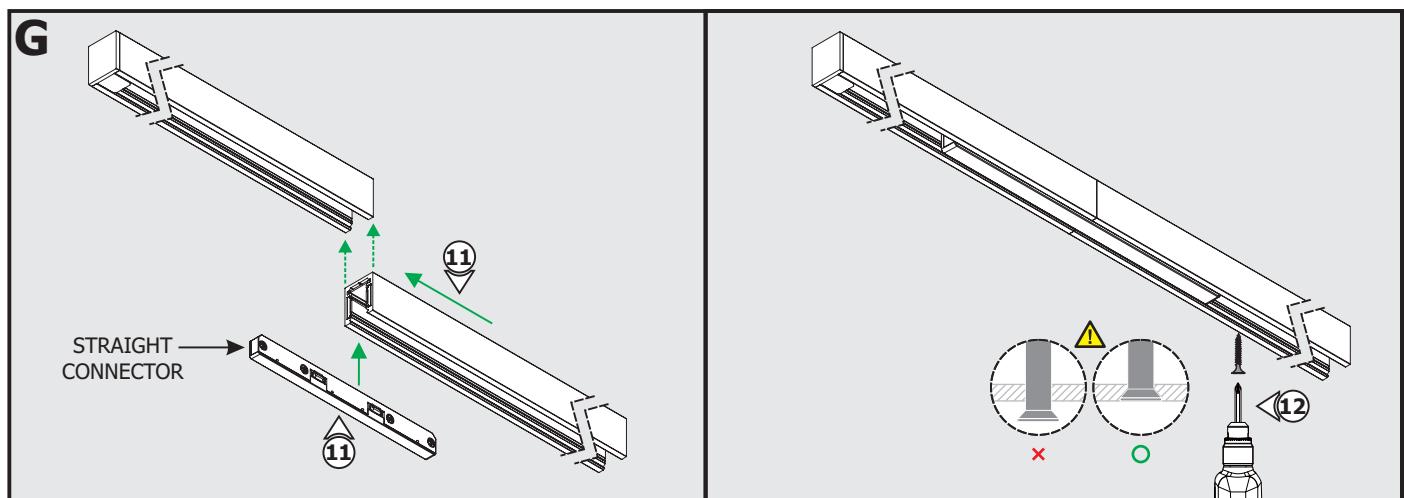
**6:** Mark the location of the track holes on the surface, ensure they are centered with the junction box.

**7:** Tap the anchors onto the marked points up to the threaded portion with a hammer.

**8:** Screw in the threaded portion of the anchors with a Phillips screwdriver.



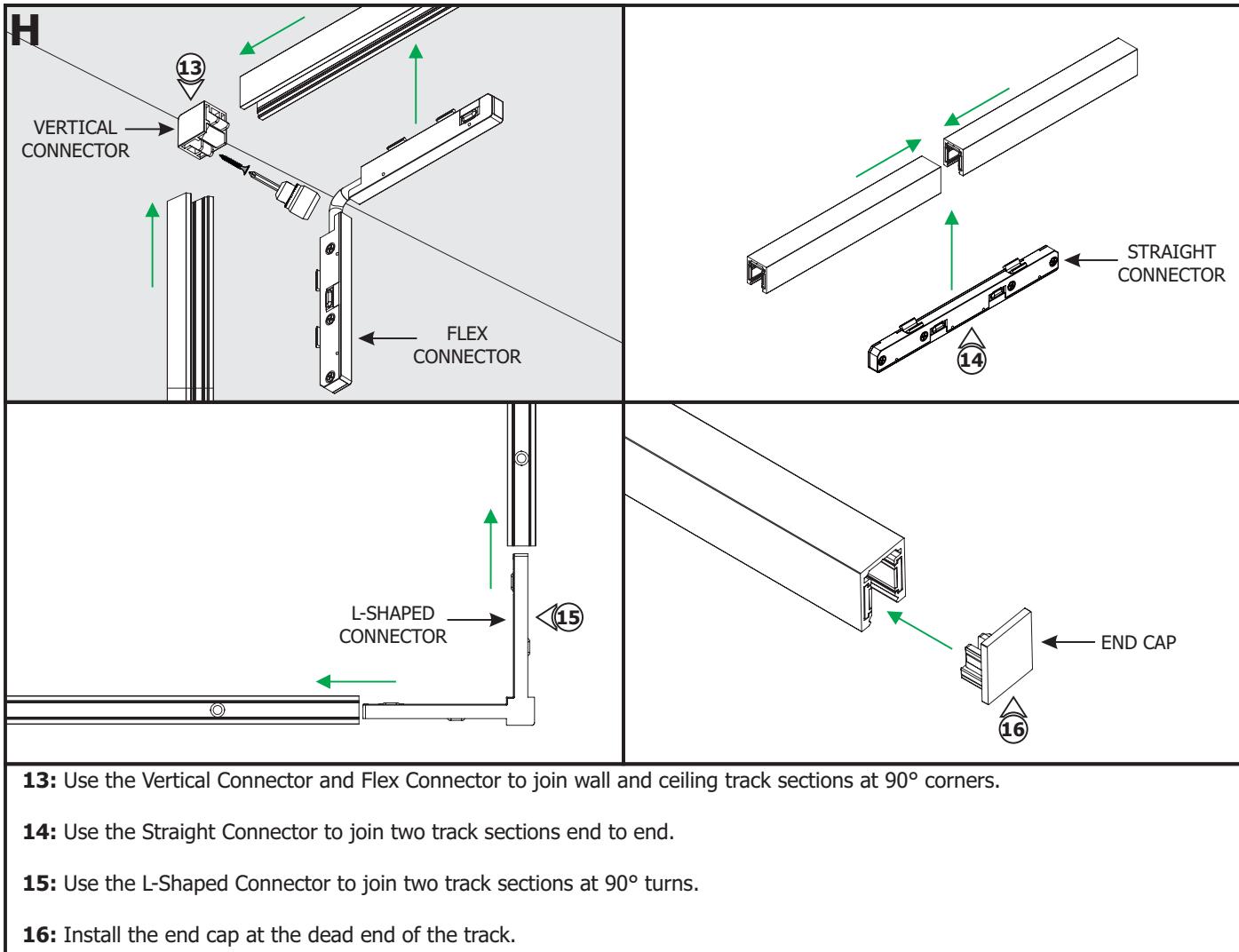
**9:** Secure the track to the surface using drywall screws (**DO NOT over tighten**). Ensure all screw heads are flush with the track surface.



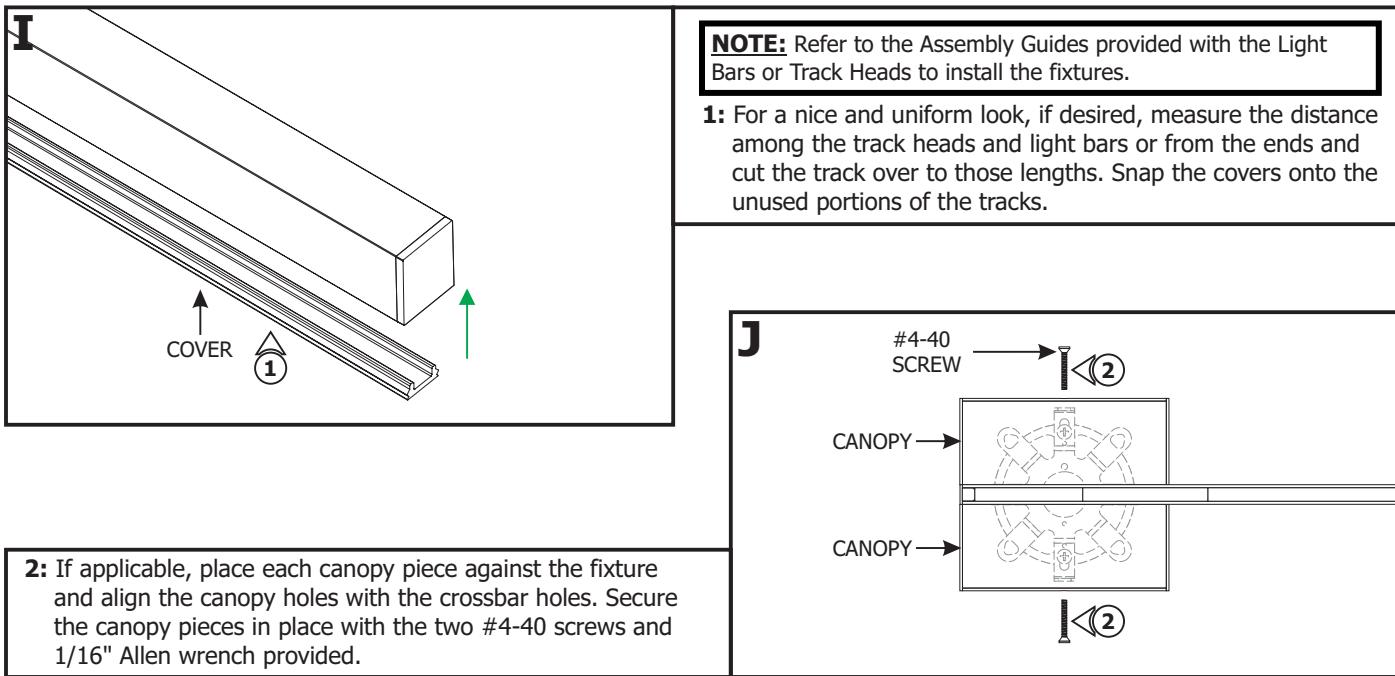
**10:** Mark the location of the holes on the surface for the next track, ensure they are centered with the previous track.

**11:** Join the track sections end to end and place the Straight Connector in the center of the tracks.

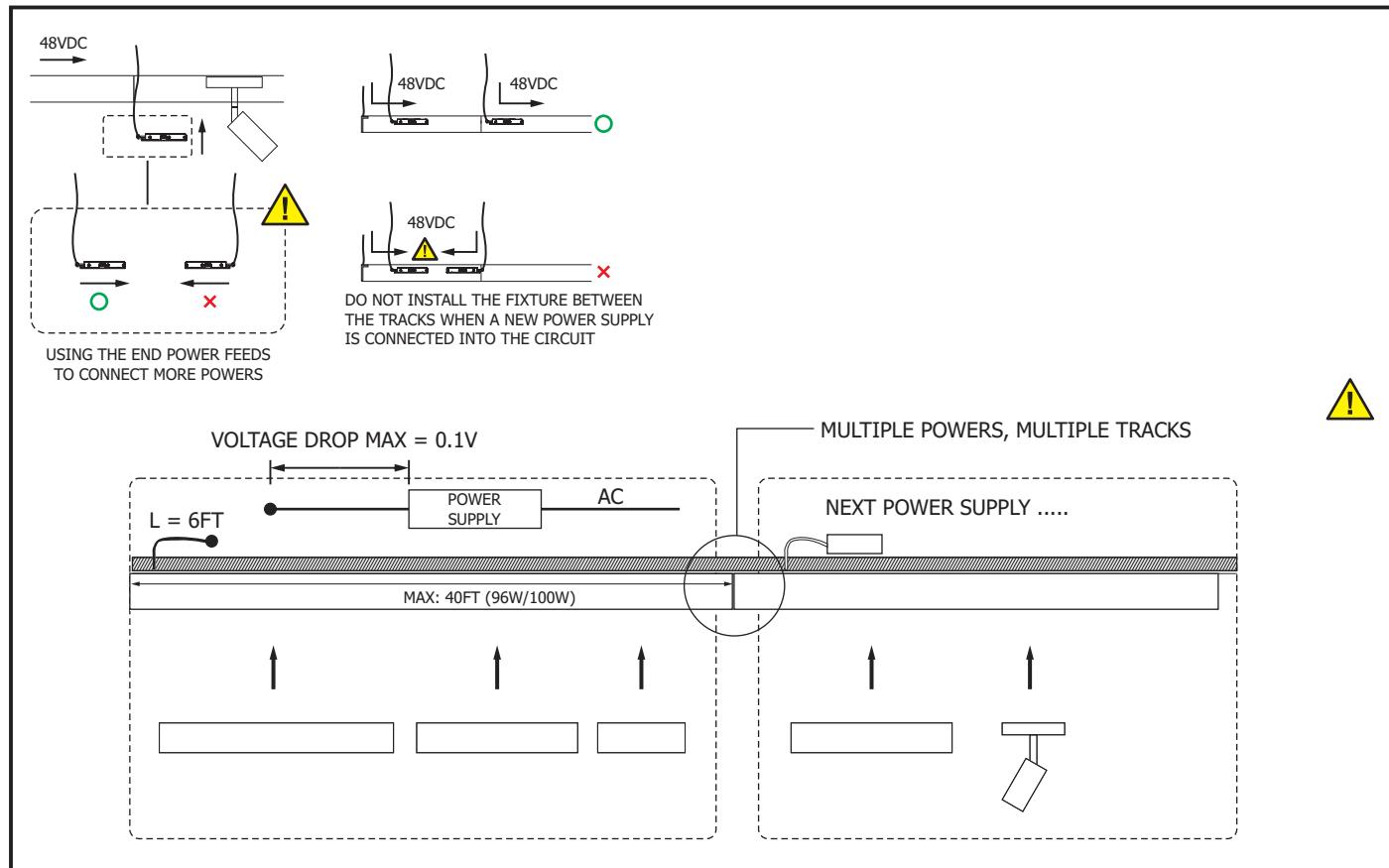
**12:** Secure the track to the surface using drywall screws (**DO NOT over tighten**). Ensure all screw heads are flush with the track surface.



## Section Five: Install the Covers and Canopy



## Section Six: Calculate Cable Length



## General Wiring Diagram

