

## **ATTENTION**

### **INSTALLATION INSTRUCTIONS**

**For LEDingEDGE Low Voltage Illumination System**

This product is a low voltage power distribution system with solid-state 12vDC or 24vDC LED (Light Emitting Diode) lighting.

When being energized with high voltage it **“Must be powered with a step down Class 2 LED Driver.”** It may also be powered DIRECT to 12 volt or 24 volt DC Low voltage.

### **CAUTION**

**Turn off the INPUT power at your circuit breaker panel before you start installing this low voltage system.**

The INPUT Power wiring on the Class 2 LED Driver is color coded to NEC (National Electrical Code) standards. The wires are “BLACK” power, “WHITE” neutral, “GREEN” ground.

1. Connect the AC INPUT wires as follows:
  - BLACK to BLACK
  - WHITE to WHITE
  - GREEN to GREEN or Ground

The OUTPUT low voltage power from the Class 2 LED Driver Output is color coded like a DC circuit –The OUTPUT wires “RED”, “Gray”, or “Yellow” are positive and “BLACK” is always negative.

2. Connect the DC OUTPUT Power wires as follows with fully insulated terminals to direct to the Power Strip or to the four foot Jumper as below:
  - RED, Grey, or Yellow to positive wire with Female terminal to the positive side of the power distribution strip **“Marked with RED Dot”**
  - BLACK to negative wire with Female terminal to the negative opposite side of the power distribution strip.

We have included a four foot jumper with “Fully Insulated Male and Female Terminals. Should you want to shorten or extend the length of the four foot jumper see below:

- Cut the jumper in half and strip ends.
- Butt splice the RED wire to RED wire.
- Butt splice the BLACK wire to BLACK wire

We recommend using 18AWG or 16 AWG Signal wire with a Grey outer insulation and with a RED wire & BLACK insulated wires inside.

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3. Attach the “*Lo-Trak*” Power Track to a Clean Flat Surface using one of the following:
  - Peel off VHB adhesive tape.
  - Attached Magnets.
  - Brackets.
  
4. Attach the Right Angle or Straight Twist-In connector onto the Power Strip.
  - Insert the bottom “T” section into the Power Strip and turn “counter clock wise” If terminals are facing the wrong direction remove the “T” section then re-insert it 180° into the Power Strip and turn “counter clock wise” to secure contact
  
5. Plug the MALE end of the Mini-ORION Jumper into the FEMALE terminals of the Twist-In connector.
  
6. Route the Jumper wire to the Mini-ORION luminaire and plug it into the positive end cap “**Marked with RED Dot**”
  
7. Attach the luminaire to a Clean Flat Surface using one of the following:
  - Peel off VHB adhesive tape.
  - Attached Magnets.
  - Brackets.
  
8. **Turn on the INPUT power at your circuit breaker panel and inspect the installation.**