



# **SUPERSUITE**

by **PRICE**

**INSTALLATION + SERVICE MANUAL**

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# WARNING!

**SHOCK HAZARD! MAY RESULT IN SERIOUS INJURY OR DEATH.**

**TURN OFF POWER AT CIRCUIT BREAKER BEFORE WORKING ON THE UNIT.**

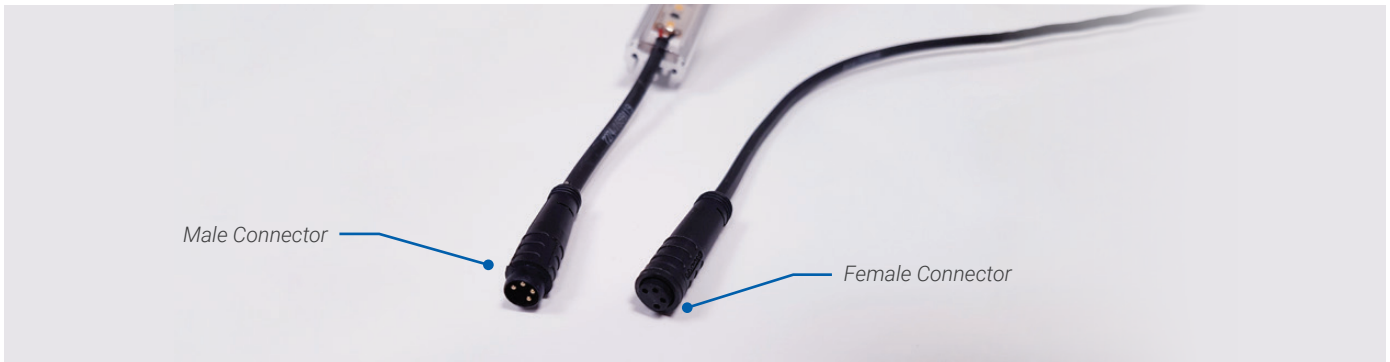
- Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards.
- When cutting or drilling into wall or ceiling do not damage electrical wiring and other hidden utilities.

## LED Replacement

Follow the guidelines shown below to replace an LED strip.

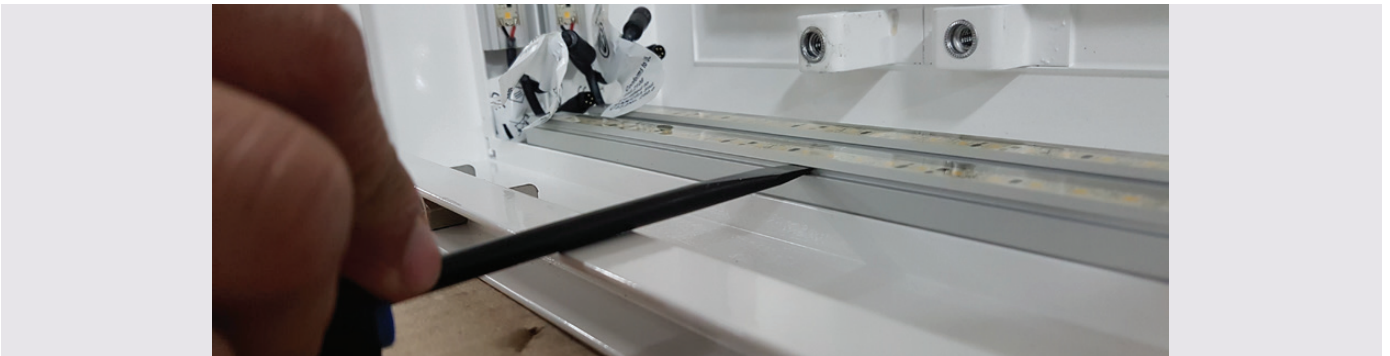
**Step 1:** Disconnect the LED connectors on either end of the LED being removed.

### LED Connectors



**Step 2:** Use a flat head screwdriver to pry-out the LED strip from the LED mounting channel as per the image below. Pry the LED out on one end and proceed through the entire length until the LED strip snaps out.

### Pry-out LED Strip from the LED Mounting Channel



**Step 3:** To install the new LED strip, ensure the connector ends on the LED are oriented such that the male connector of one LED and the female connector of the adjacent LED align.

**Step 4:** Softly tap the replacement LED in to the channel, starting at one end of the strip and moving along the entire length.

### Replacement LED



## Troubleshooting

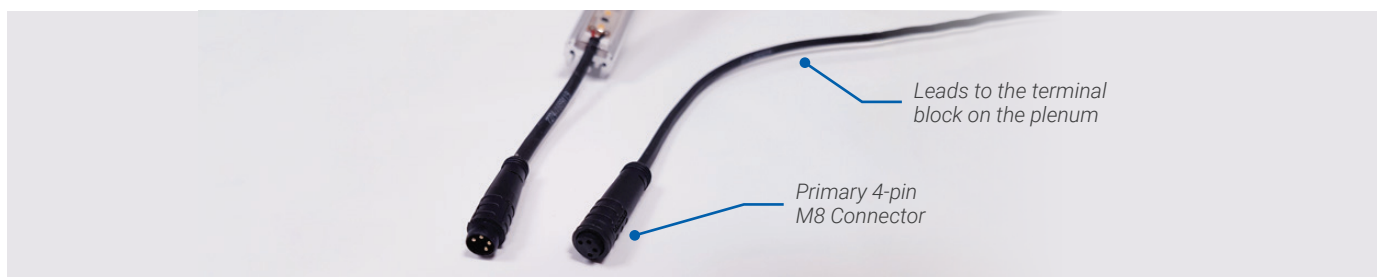
If the LEDs will not power on, it is a result of one of the following issues:

1. Broken LED connector plug
2. Reversed LED polarity connection
3. Faulty LED driver
4. Faulty LED strip

Follow the guidelines below to troubleshoot LEDs that will not power on.

**Step 1:** Disconnect the chain of LEDs from the primary 4-pin M8 connector on the cable connecting the LEDs to the terminal block mounted on the plenum.

### 4-Pin M8 Connectors



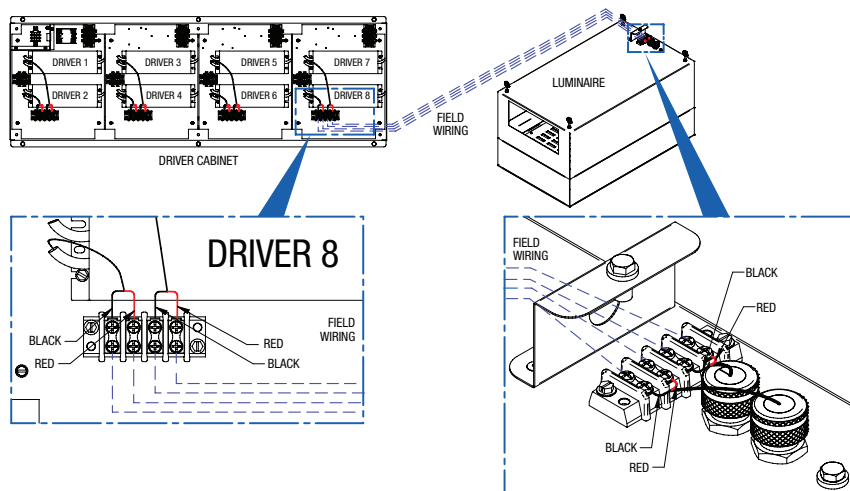
**Step 2:** Connect a spare functional LED to the primary 4-pin M8 connector.

- If the LED powers on, the LEDs installed in the luminaire are faulty. Submit an FQR or contact your local Keystone representative for replacement LEDs.
- If the LED does not power on, inspect the wiring connections upstream for polarity, as indicated in step 3.

**Step 3:** Ensure the polarity at the connection terminals is as follows,

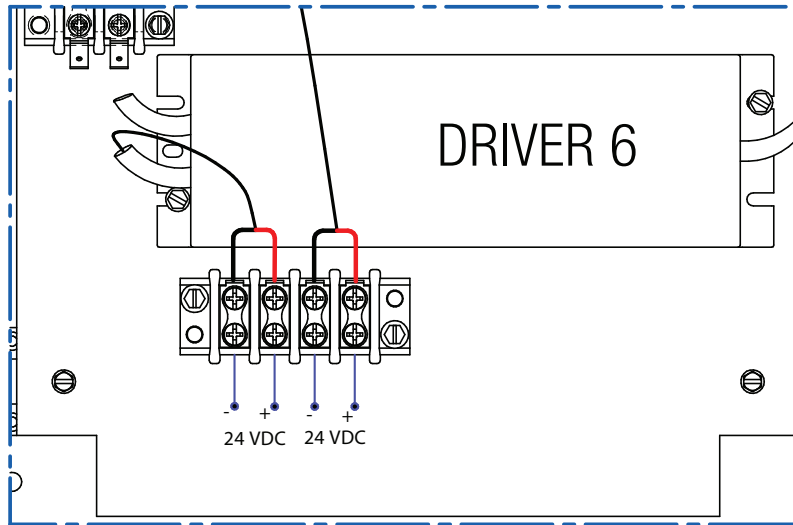
- Red wire from the LED drivers in the driver cabinet is connected to the red wire terminal on the terminal block mounted on the plenum of the luminaire.
- Black wire from the LED drivers in the driver cabinet is connected to the black wire terminal on the terminal block mounted on the plenum of the luminaire.

### Driver Cabinet Wiring to Luminaire



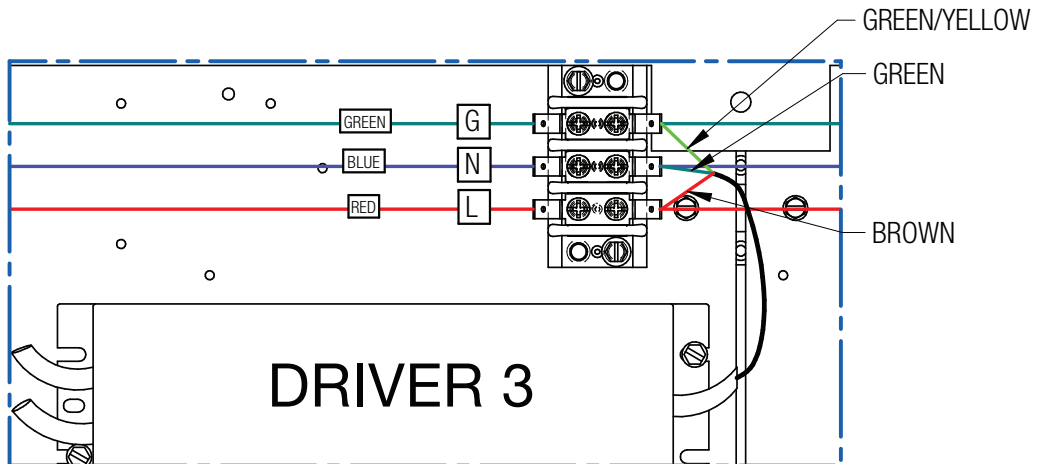
- If the wiring is done as indicated in step 3 and the LEDs do not still power on, use a multimeter to measure the voltage reading across the '+' and '-' terminals at the cabinet (red and black wire). The voltage reading should be 24V +/- 1V. Please note that the multimeter should be set to read DC voltage.

#### Voltage Potential at Driver Output



- If the voltage reading at the drivers output is 0 VDC, then the LED driver is either incorrectly wired or faulty. Ensure that the ground, neutral and line wire from the driver is correctly wired to the respective terminals on the driver's input. If the driver is correctly wired and the LEDs do not power on, the driver is faulty. Submit an FQR or contact your local Keystone representative for replacement LED drivers.

#### High Voltage Connection Details



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