# REV 8 PRIME



## ⚠ IMPORTANT SAFETY INFORMATION
### READ AND FOLLOW ALL SAFETY INSTRUCTIONS

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**FOR FIELD ASSISTANCE PLEASE CALL**
**+1-213-255-2060 #4**

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- Before wiring to power supply and during servicing or relamping, turn off power at fuse or circuit breaker.

- All servicing or relamping must be performed by qualified service personnel.

- Product must be grounded to avoid potential electric shock or other potential hazard.

- Product must be installed at locations and heights, in a manner consistent with its intended use, and in compliance with electrical code and local codes.
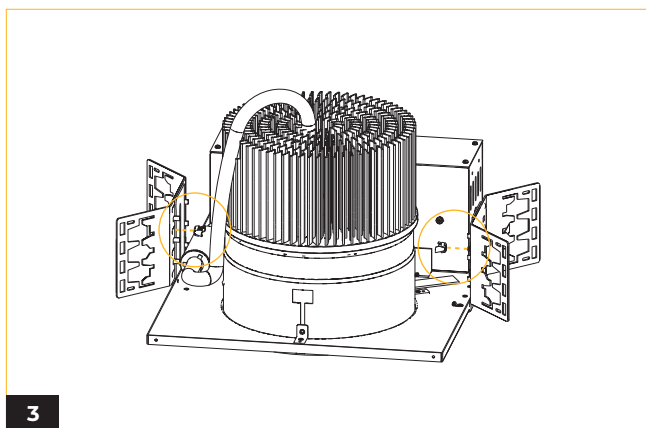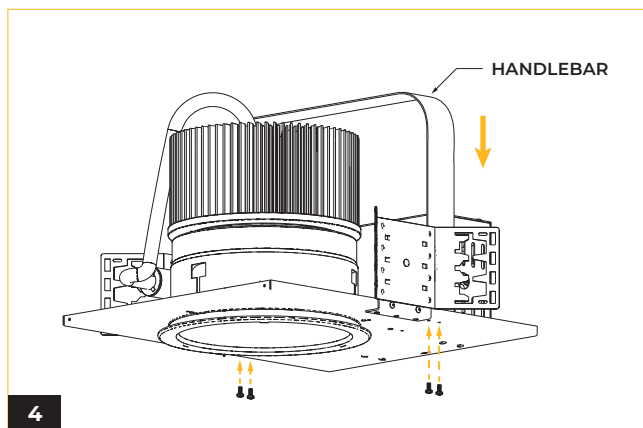
**SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE**

# METEOR

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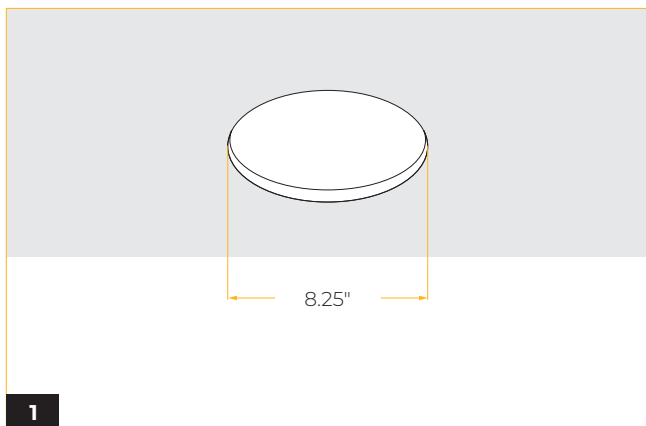
**1**

Mark the intended location of the luminaire and cut an 8 1/4" diameter opening in the ceiling.
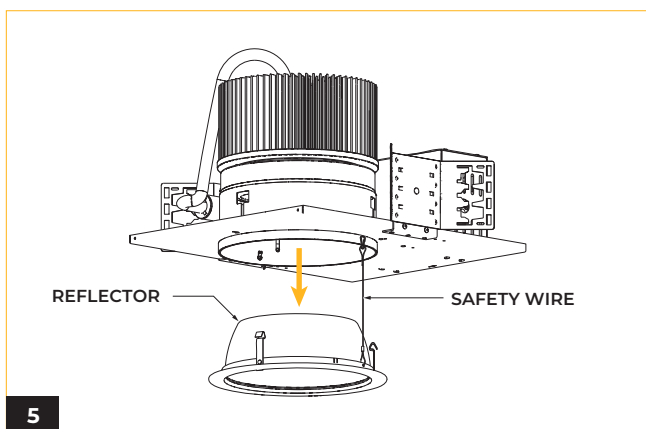
8.25"
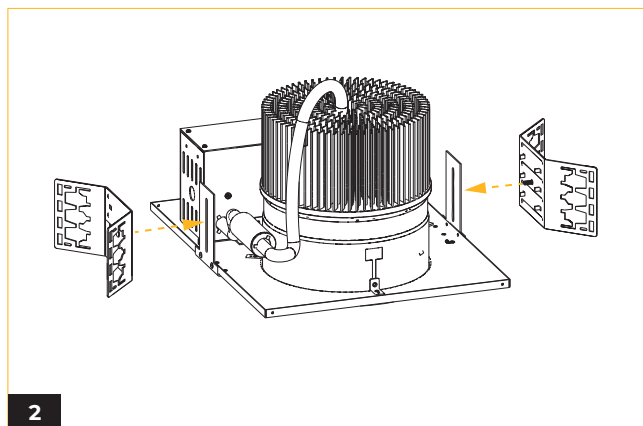
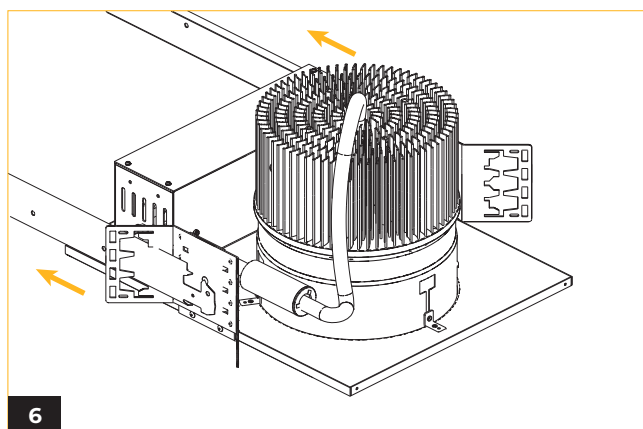**2**

Align and attach the butterfly bracket to the side rail.

**3**

Secure the butterfly bracket by screwing in the provided wing nut.

**4**

HANDLEBAR

An optional handlebar can be installed to assist the installation process, secure the handle bar by screwing in two screws on each side.

**5**

REFLECTOR                    SAFETY WIRE

Separate the reflector from the fixture by pulling down.

**6**

Install fixture using universal mounting bracket with slots for C-Channel (by others), bar hanger (by others) and 1/2" EMT (by others). Secure to joist or grid using hardware or wire. Adjust height as needed.

METEOR
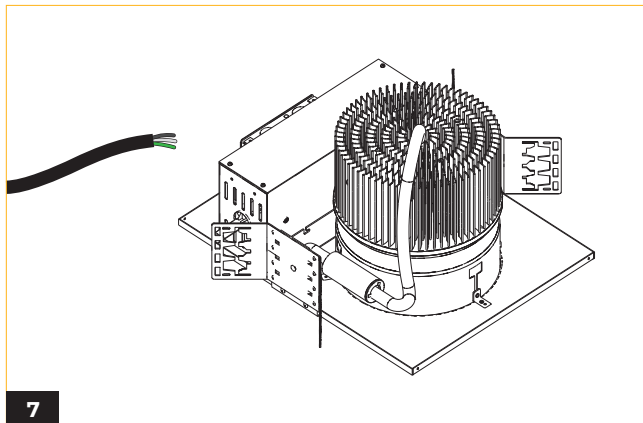


**7**

Make power connections. See Circuit Diagram below.



SAFETY WIRE
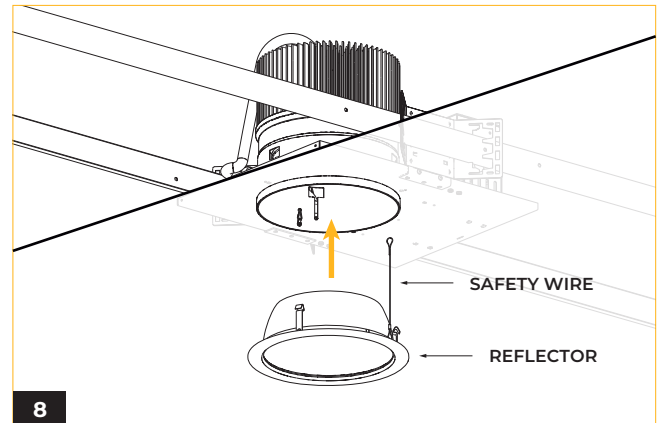
REFLECTOR

**8**

Connect safety wire and push reflector into frame ensuring the trim is flush to the ceiling.

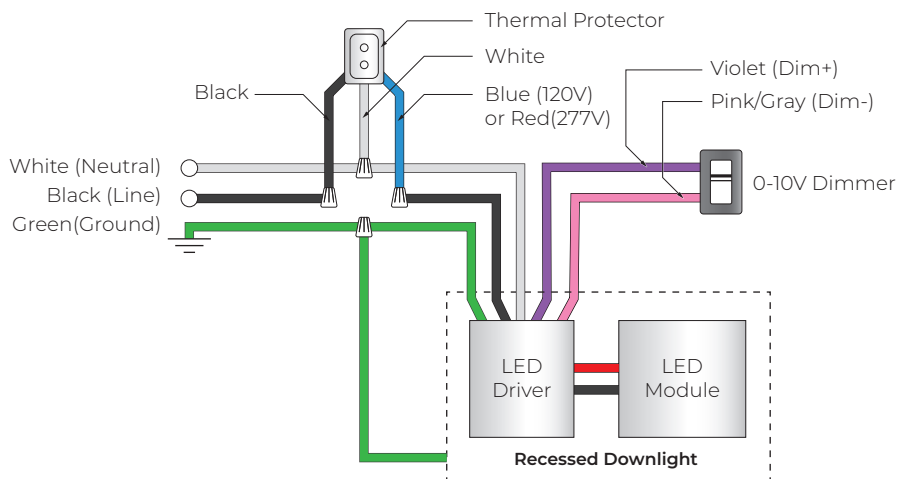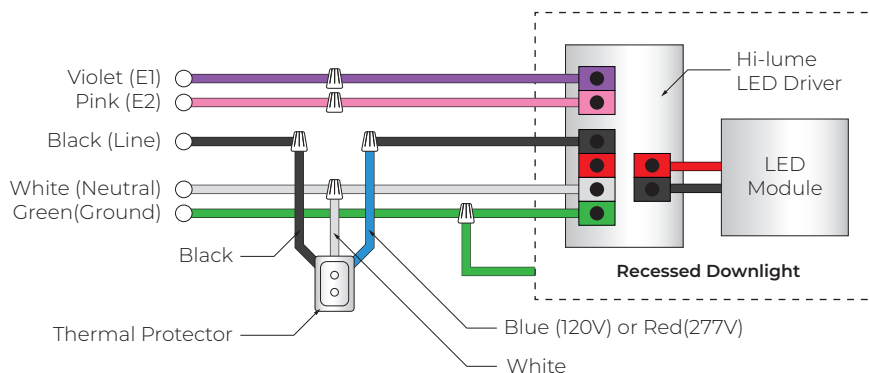## WIRING DIAGRAM

### STV / SPV 0-10V

Thermal Protector
White
Black
Blue (120V) or Red(277V)
Violet (Dim+)
Pink/Gray (Dim-)
White (Neutral)
Black (Line)
Green(Ground)
0-10V Dimmer
LED Driver
LED Module
**Recessed Downlight**

### LDE1

Violet (E1)
Pink (E2)
Black (Line)
White (Neutral)
Green(Ground)
Black
Thermal Protector
Blue (120V) or Red(277V)
White
Hi-lume LED Driver
LED Module
**Recessed Downlight**

### SPV 0-10V (Tunable White)

White (Neutral)
Black (Line)
Green(Ground)
Color Control (0-10V)
Intensity Control (0-10V)
Red (Dim+)
Gray/Pink(Common-)
Violet (Dim+)
LED Driver

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## WIRING DIAGRAM

### TRC



- Thermal Protector
- White
- Black
- Blue (120V)
- White (Neutral)
- Black (Line)
- Green (Ground)

LED Driver — LED Module

**Recessed Downlight**

Compatible TRIAC Dimmer List

| LUTRON PART NO | |
|---|---|
| MRF2-6ND-120 | HQRD-6NA |
| RRD-6NA | HQRD-6N |
| RRD-10ND | SZ-6ND |
| HQRD-10ND | |

### DMX



- Thermal Protector
- White
- Black
- Blue (120V) or Red(277V)
- White (Neutral)
- Black (Line)
- Green (Ground)

LED Driver — LED Module

**Recessed Downlight**

LED Fixture
- DMX IN
- Next Fixture
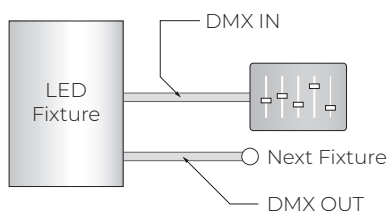- DMX OUT



**RJ45**
DMX Box
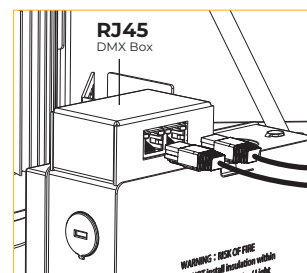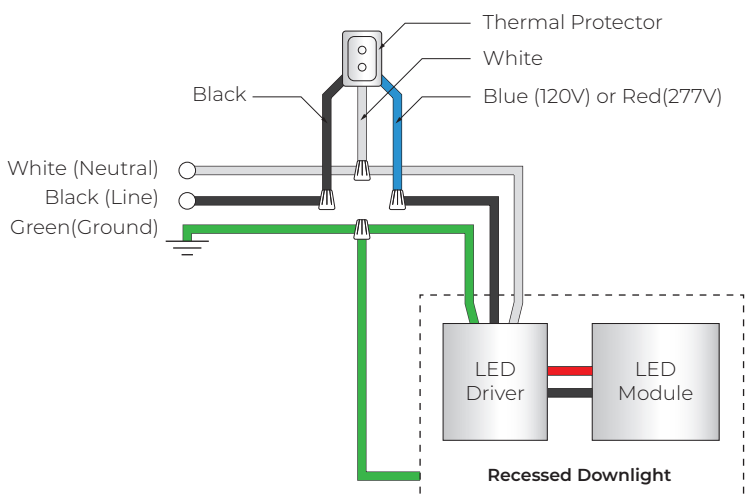
Connect DMX by using a standard shielded CAT5/6 cable.



**XLR**
DMX Box
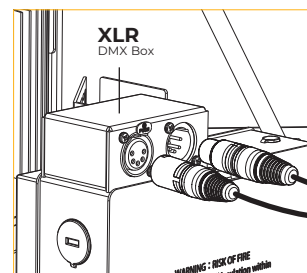
Connect DMX by using a standard DMX512 XLR cable with 5 pin in/out connector (by others).

***The last fixture has to be terminated with a DMX Terminator (by others).**

## NOTES

### Application note : Wiring for DMX/RDM lighting systems

DMX/RDM is a robust and reliable system for lighting control. However, if not implemented correctly, problems can arise such as random flashing of lights, erratic operation and delays in responding to commands. This document explains the best practices in DMX wiring.

**Important things to consider are:**

1. DMX is a three-wire system. Use all three!
2. DMX is based on the EIA-485/RS-485 standard.
3. Always use cable specifically designed for DMX / RS-485. These cables have an impedance of 120Ω and a low capacitance. For instance : Belden 9729 or Belden 9841.
4. DMX must be terminated with a 120Ω resistor to prevent reflections.
5. A daisy chain topology should be used.
6. After 32 unit loads a repeater/booster should be used. (Important : For tunable white fixtures, After "32" unit loads a repeater/booster should be used.)
7. Keep cabling below 200 meters between the controller and the last driver.
8. It is generally considered good practice to provide separate DMX in and DMX out / DMX Thru connections to your fixture to aid in installation. This can be in the form of pigtails, RJ-45 connectors or 5-pin XLR connectors.
9. Use twisted pair cables with an impedance of 120Ω and a low capacitance.
10. UTP Cat5 or Cat6 network cable can also be used but have a slightly lower impedance of 100Ω.
11. If shielded cable is used, only connect shield to ground on one side (typically, the controller should have its shield terminal connected to ground).
12. Not following the above recommendations may seem to work at first, but can cause problems. Sometimes after weeks of seemingly normal operation.

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