

# Lumination® LED Luminaire



Product Code: 79045

Description Code: GE080/MV/D24T1-A

(Tetra® Contour)



## BEFORE YOU BEGIN

Read these instructions completely and carefully.

### ⚠ WARNING / AVERTISSEMENT

Risk of electrical shock. Disconnect power before servicing or installing product. Risk of damage. Ensure dimming controller is a maximum of 10V. Voltage greater than 10V can damage power supply.

Risque de choc électrique. Couper l'alimentation avant le dépannage ou avant l'installation du produit. Risque de dommages. Assurez qu'obscurcissant le controller est un maximum de 10V. La tension plus grande que 10V peut endommager l'alimentation d'énergie.

## LED Driver Features

- Compatible with 0-10V Dimming controller
- Class 2 wiring per NEC Article 725 (SELV)
- IP54: Dry or damp location rated

## Prepare Electrical Wiring



### Electrical Requirements

- The LED driver must be supplied with 100-277 VAC, 50/60 Hz and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker.



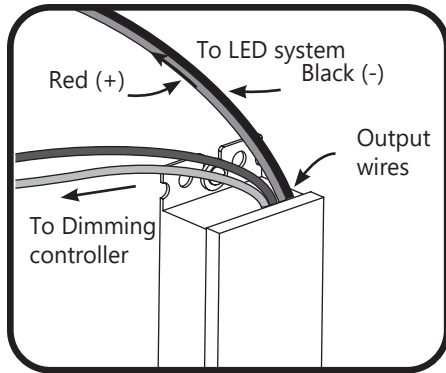
### Grounding Instructions

- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This Class [A] RFLD complies with the Canadian standard ICES-003. Ce DEFR de la classe [ A ] est conforme à la NMB-003 du Canada.

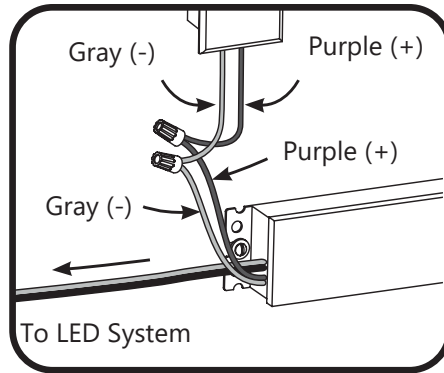
**Note:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### LED Driver Installation

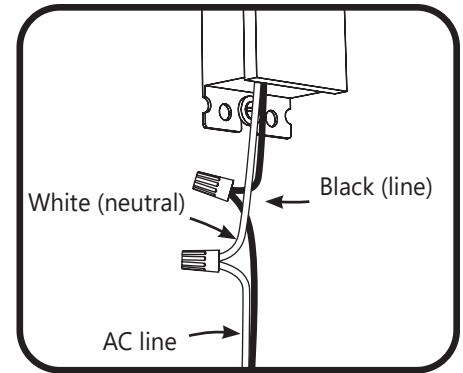


**1** Connect the supply wire that is attached to your LED system to the red (+) and black (-) output wires of the LED driver as outlined in the “Electrical Connections” section of your LED system’s Installation Instructions.

To ensure the LED driver load and remote mounting distances are within the ranges specified in the product installation guide.



**2** Connect the (+) purple and (-) gray wires of the LED Driver to the 0-10V dimming controller. Refer to the dimming controller installation instructions for specific connection information.



**3** Connect the AC line to the black (line) and white (neutral) input wires of the LED driver using 18-14 AWG (0.82-2.08 mm<sup>2</sup>) UL approved wire connectors. Properly ground power supply in accordance with National Electric Code (NEC) Article 600.

### Technical Specifications

|   | Min  | Typical | Max    |
|---|--|---------|--------|
| Input Voltage (VAC)                       | 90   | 100-277 | 305    |
| Input Frequency (Hz)                      | -  | 50/60   | -      |
| Input Current (A)                         | -  | -       | 0.85   |
| Output Voltage (VDC)                      | 23   | -       | 25.5   |
| Output Current (ADC)                      | -  | -       | 3.3    |
| Output Power (W)                          | -  | 80      | -      |
| Environmental Operating Temperature Range | -20°C  | +25°C   | +60°C* |
| Environmental Humidity (non-condensing)   | 10%  | -       | 90%    |
| Environmental Storage Temperature Range   | -40°C  | -       | +85°C  |
| Enclosure Specification                   | IP54: Dry or damp location rated                     |         |        |
| Dimensions                                | 9.5 in. x 1.7 in. x 1.2 in. (240 mm x 43 mm x 30 mm) |         |        |

**Note:** For remote mounting or loading information refer to the LED System Installation Instructions.

\* Maximum case temperature is 85°C

This product is intended to be used as a lamp control gear that is installed after the mains control switch. Conforms to the following standards:

