

Lumination™ LED Luminaires

Driver Replacement for Edgelit Recessed Troffer Luminaires



BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING/AVERTISSEMENT

RISK OF ELECTRIC SHOCK

- Turn power off before inspection, installation or removal.
- Properly ground electrical enclosure.

RISK OF FIRE

- Follow all NEC and local codes.
- Use only UL approved wire for input/output connections. Minimum size 18 AWG (0.75mm²).

RISQUES DE DÉCHARGES ÉLECTRIQUES

- Coupez l'alimentation avant d'inspecter, installer ou déplacer le luminaire.
- Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.

RISQUES D'INCENDIE

- Respectez tous les codes NEC et codes locaux.
- N'utilisez que des fils approuvés par UL pour les entrées/sorties de connexion. Taille minimum 18 AWG (0.75mm²).

Save These Instructions

Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

Components Supplied

- Driver of luminaire

Tools and Components Required

- ¼" hex head screwdriver
- UL listed conduit connections per NEC/CEC for nominal conduit trades sizes ½" or ¾"
- UL recognized wire connectors

Prepare Electrical Wiring



Electrical Requirements

The LED driver must be connected to the main supply according to its ratings on the product label. Follow all NEC requirements.



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.

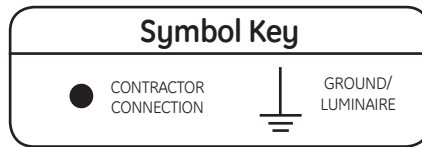
Specifications

Description Code	Corresponding Luminaires
Edgelit Troffer 24, 22 and 14 driver	Edgelit Troffer 24, 22 and 14 Series

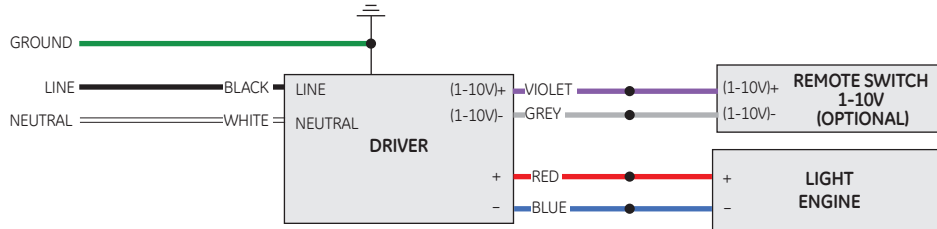
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. CAN ICES-005 (A) / NMB-005 (A)

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.

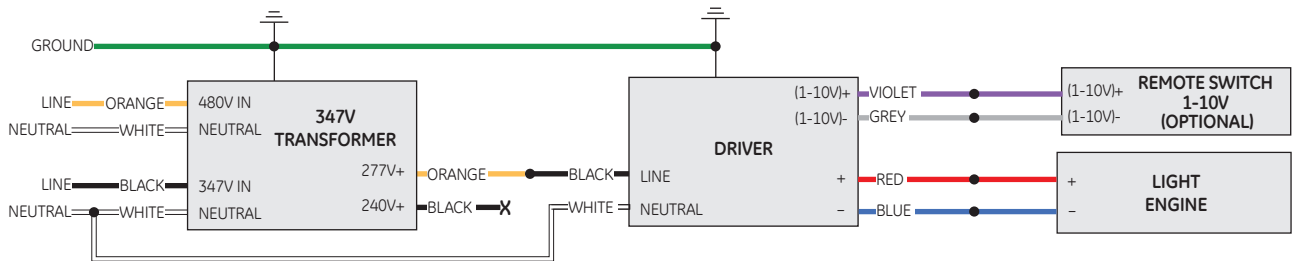
Wiring Diagrams



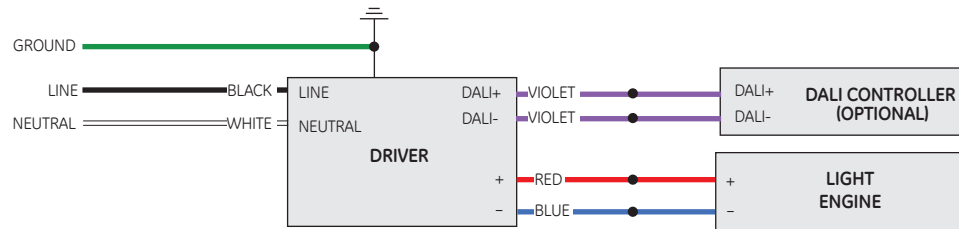
1-10V Dimming: Standard Version



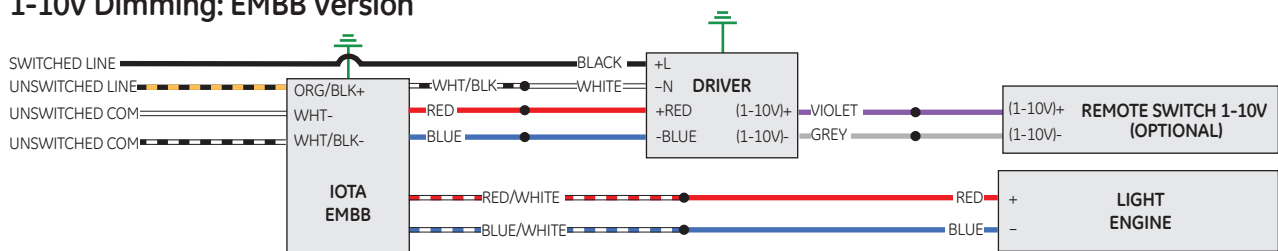
1-10V Dimming: 347V Version



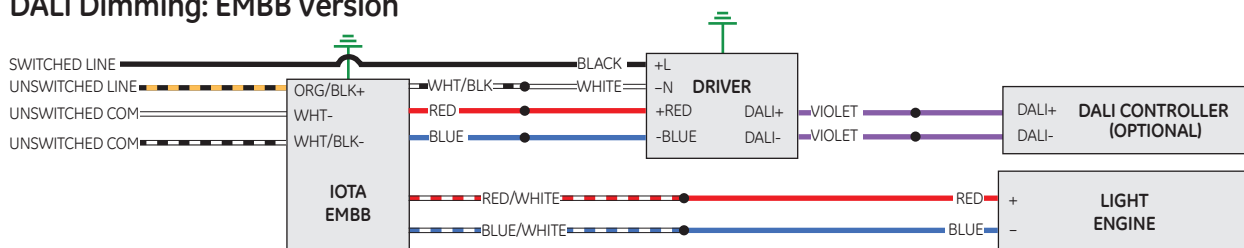
DALI Dimming: Standard Version



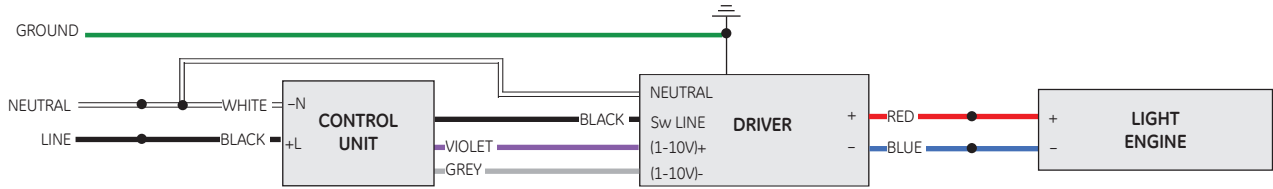
1-10V Dimming: EMBB Version



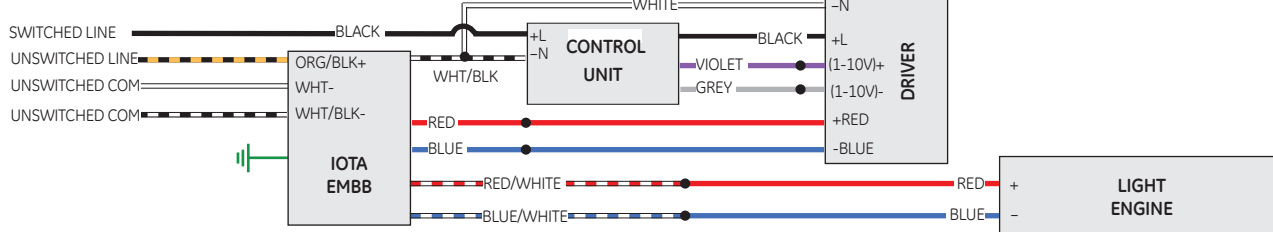
DALI Dimming: EMBB Version



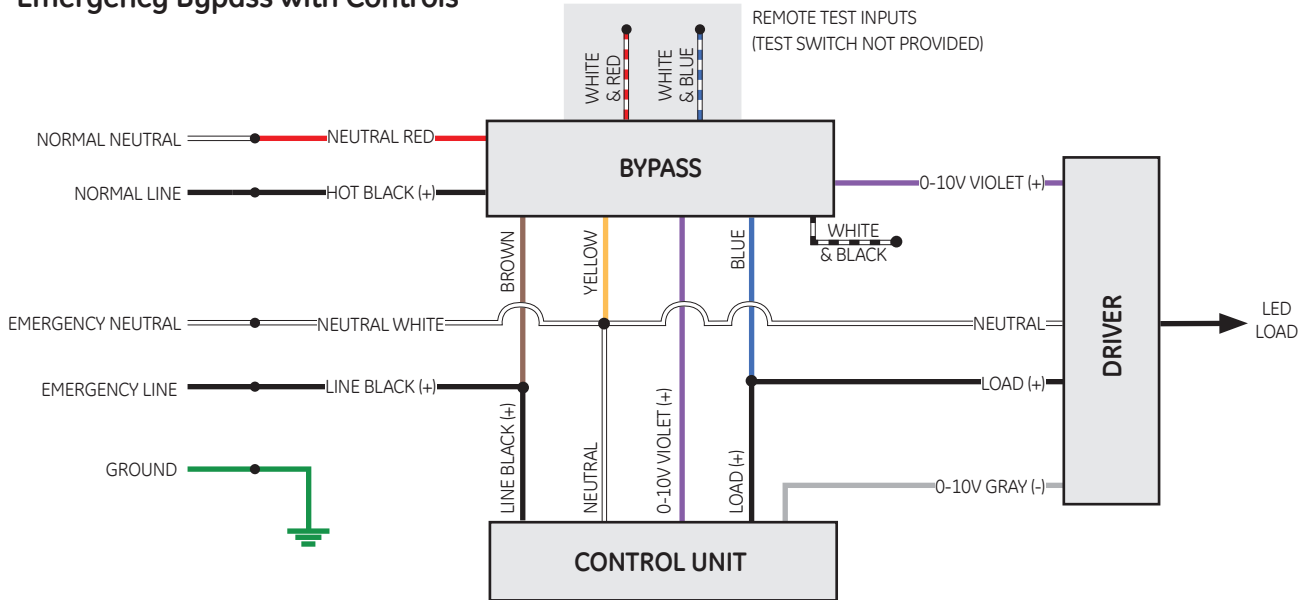
Control with 0-10V Driver Standard



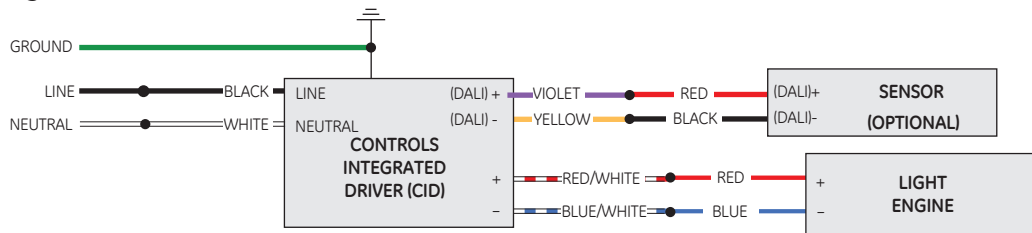
IOTA CP Series EMBB with Control



Emergency Bypass with Controls



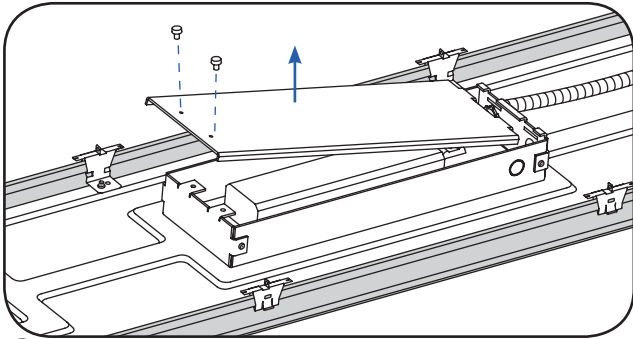
Controls Integrated Driver (CID)



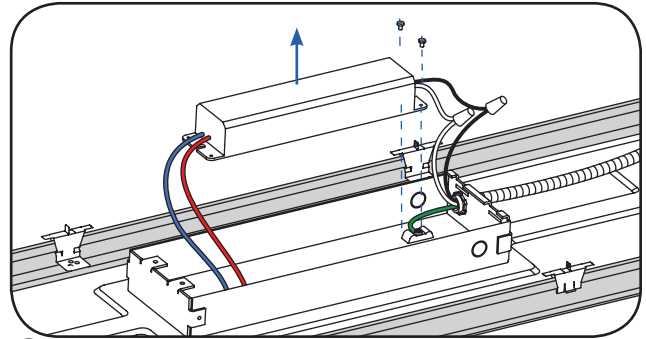
Note: The Controls Integrated Driver (CID) may or may not be connected to a sensor. This driver is not intended for a 0-10V dimming system. If replacing the CID driver, make sure to disconnect the sensor and reconnect the sensor to the newly installed driver. For EMBB and 347V Transformer wiring configurations with the CID refer to the 0-10V diagrams above. Please note the low voltage wire difference between the 0-10V and CID drivers (violet and grey versus violet and yellow).

Driver Replacement Steps

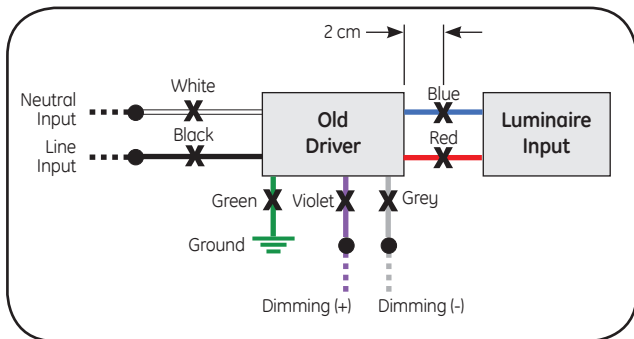
NOTE: The following steps depict the 14 Series luminaire. However, the procedure is the same for the 22 and 24 Series fixtures.



- 1** Unfasten screws holding electrical enclosure cover. Remove the electrical enclosure cover.

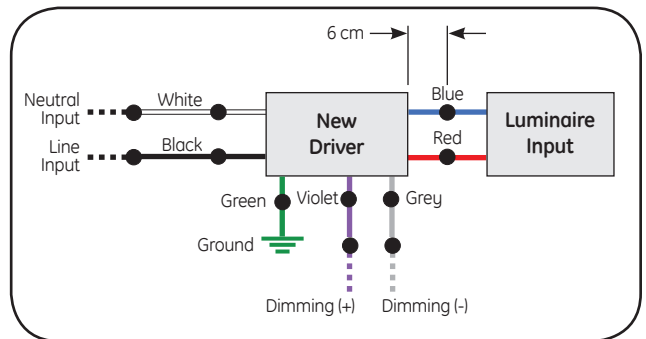


- 2** Unfasten screws holding the driver.
NOTE: Keep the screws and star washers for later use.

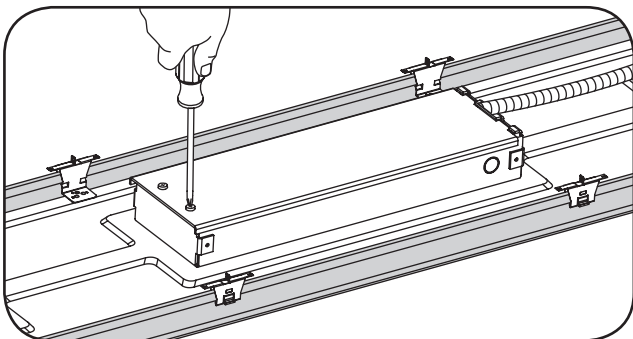


- 3** Disconnect the driver from the luminaire by cutting the wires at the distance of 2 cm (0.75 in.) from the old driver. Remove the old driver.

NOTE: Steps 3 and 4 depict the standard version. For other versions please see page 2 and 3 for wiring diagrams.



- 4** The length of wires from the new driver should be no less than 6 cm (2.36 in.). Reattach the new driver in the same location as the old driver using star washers and screws. Strip off 10 mm (0.4 in.) from all wires and reconnect the new driver to the luminaire with UL-certified connectors. Wires with the same color should be connected together.



- 5** Reattach the driver enclosure cover with 2 screws.

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