

Lumination® LED Luminaire



Remote Driver Enclosure (EP/EL Series)



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.

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.

Save These Instructions

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

Provided in the Package

- Power supply - rated 120-277V, 50/60Hz
- Grounding screw and washer
- For model code EP-DKIT400UEVVA and EL-DKIT360-S-LN use Lutron Ecosystem 0-10V interface
- For model code EP-DKIT400-S-347V and EL-DKIT360-S-347V Transformer GETR480/277-250W

Optional

If using a dimming controller, connect matching-colored wires together.

Risk of Damage

Make sure that supply connection, light fixture wiring, and dimming cables are connected to proper driver inputs. Wrong connection may cause damage to the product.

Must use UL approved conduit fittings for all enclosure box connections to prevent wire cuts by sharp edges and excessive strain on wiring.

Features

- For remote location application
- Suitable for dry or damp locations

Prepare Electrical Wiring



Electrical Requirements

- The LED driver must be supplied with 120-277 VAC, 50/60 Hz (in 120-277V application).
- For model code: EL-DKIT360-S-347V and EP-DKIT400-S-347V, the unit must be supplied with 347 VAC, 60 Hz (in 347V application).
- Connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker. Use min. 75°C supply conductor.



Grounding Instructions

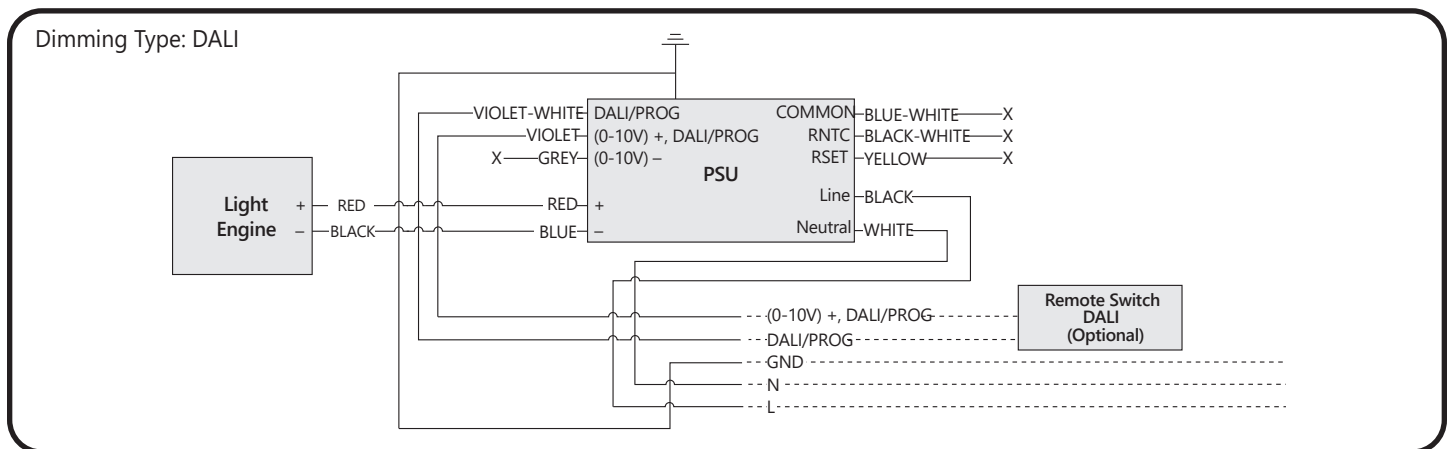
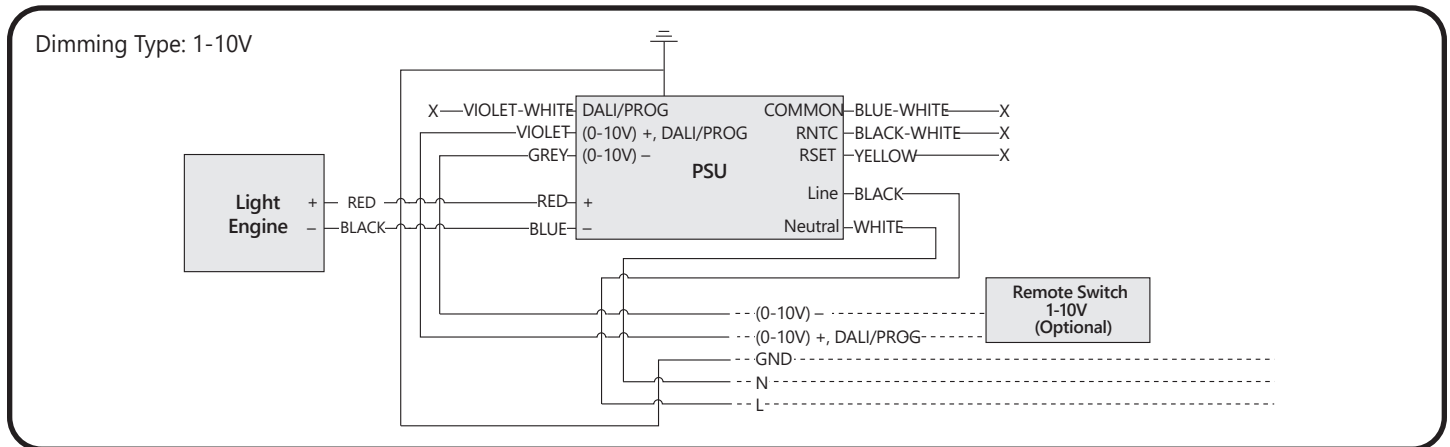
- The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

Tools and Components Required

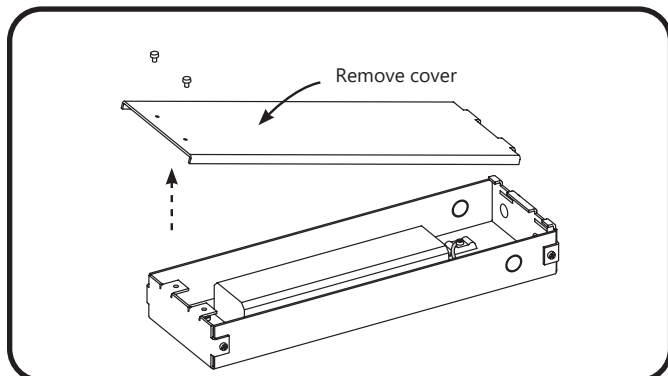
- #2 Phillips head screwdriver
- UL Recognized conduit connections per NEC/CEC for nominal conduit trade sizes 1/2" or 3/4"
- UL Recognized wire connectors

Driver Installation (EP-DKIT400 and EL-DKIT360-S)

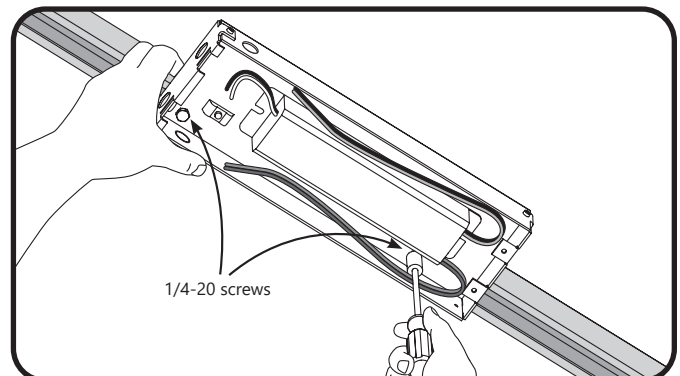
Wiring Diagrams



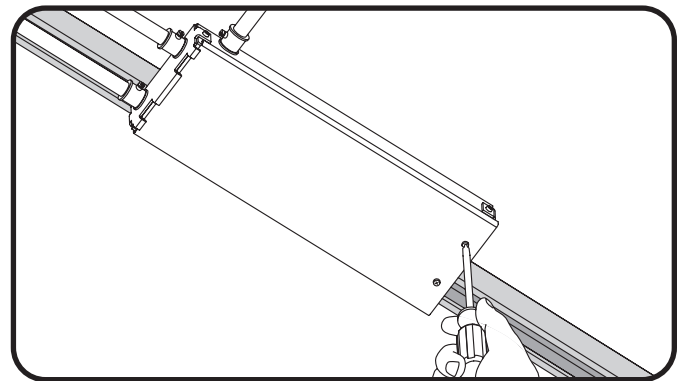
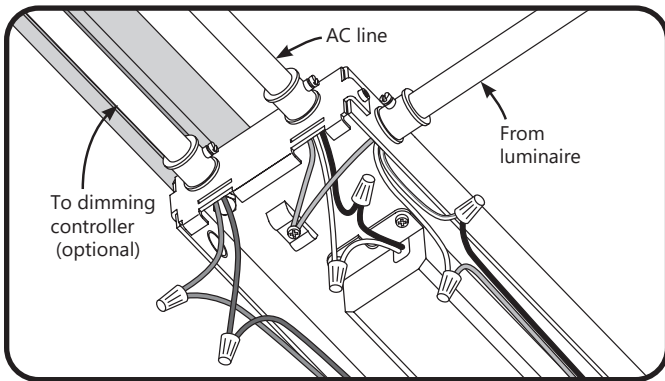
Electrical Connections



1 Remove driver enclosure cover. Carefully remove knockout for AC line input wires.



2 Install driver enclosure to a suitable structural member using two 1/4-20 screws.

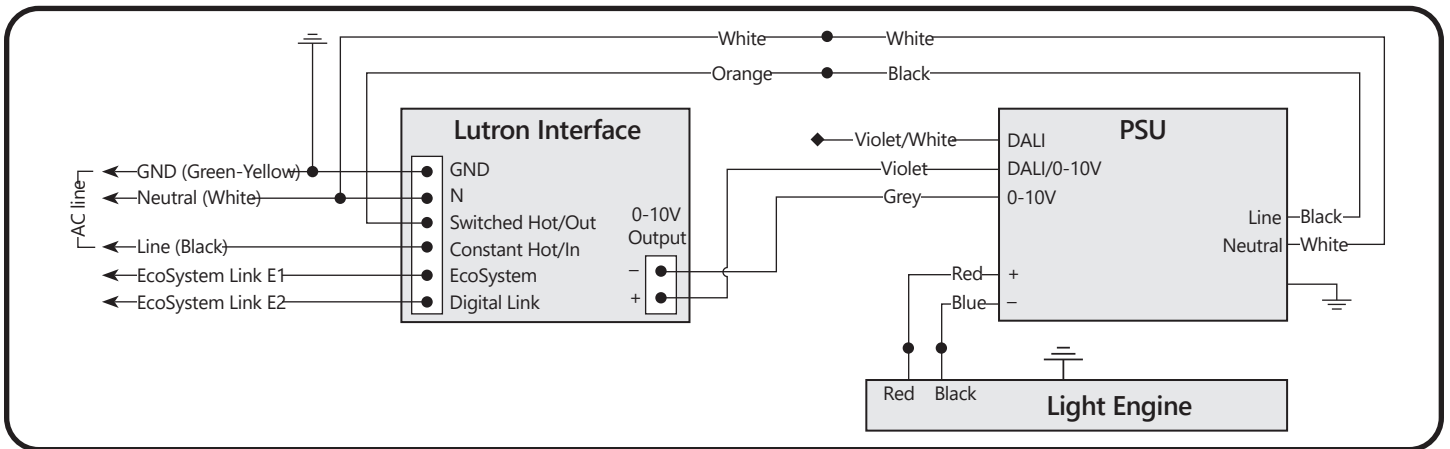


3 First connect the black (line) and white (neutral) wires of the AC line to the black and white wires of the power supply using 18-24AWG (0.82-2.08mm²) twist-on wire connectors. Next connect the luminaire wires to the blue and red wires of the power supply. Connect the green wires to the ground screw.

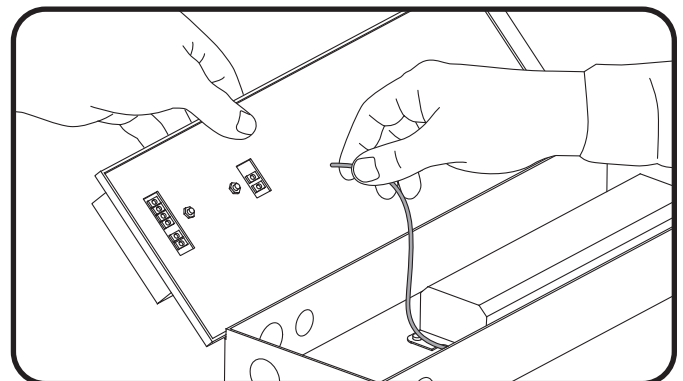
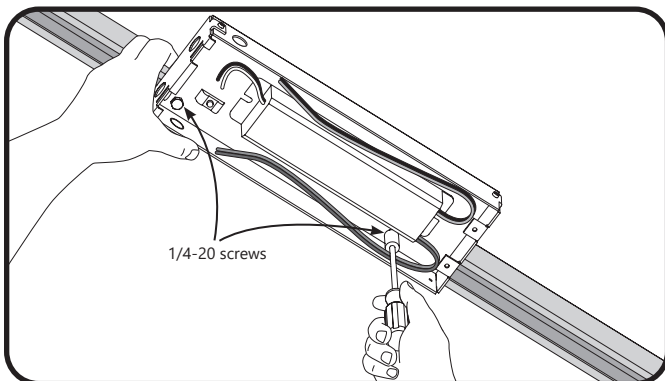
4 Replace electrical enclosure cover. Enclosure cover is on top for installation.

Driver Installation (EP-DKIT400-LN and EL-DKIT360-S-LN)

Wiring Diagrams

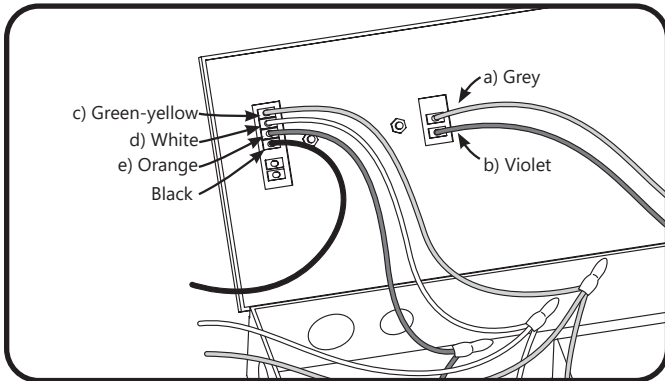


Electrical Connections

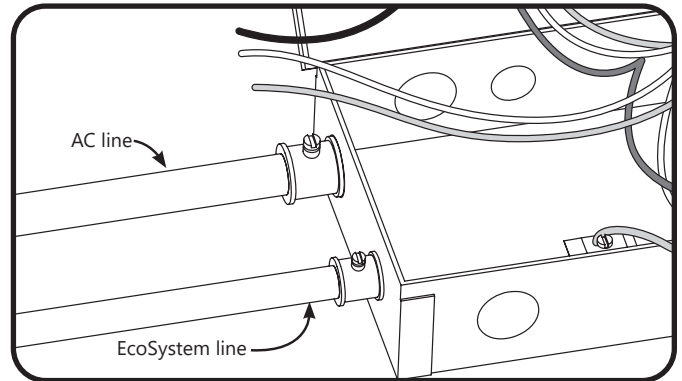


1 See previous steps 1 and 2.

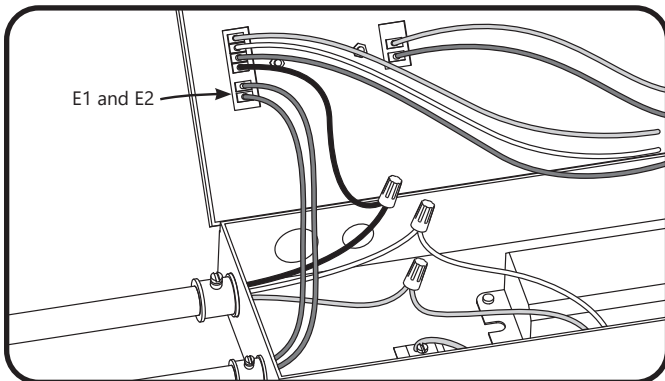
2 Carefully place enclosure cover next to electrical enclosure. Follow the wiring diagram, insert stripped wires into Lutron interface connector as described in next step.



- 3 Connect Driver wires to Lutron interface as follows:
- a. Driver 0-10V grey wire to Lutron grey connector.
 - b. Driver 0-10V violet wire to Lutron violet connector.
 - c. One green-yellow wire to Lutron green connector.
 - d. One Driver white wire to Lutron white connector.
 - e. Driver orange wire to Lutron orange connector.

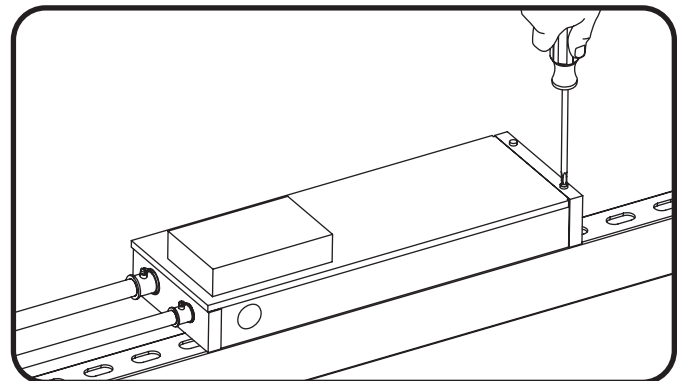


- 4 Push out appropriate size knockout tabs and install approved conduit connectors for both the AC and EcoSystem lines.



- 5 Connect AC line to black, white and green wires from Lutron interface with twist-on wire caps. Connect EcoSystem bus wires to the two purple Lutron connectors (Link E1 and E2).

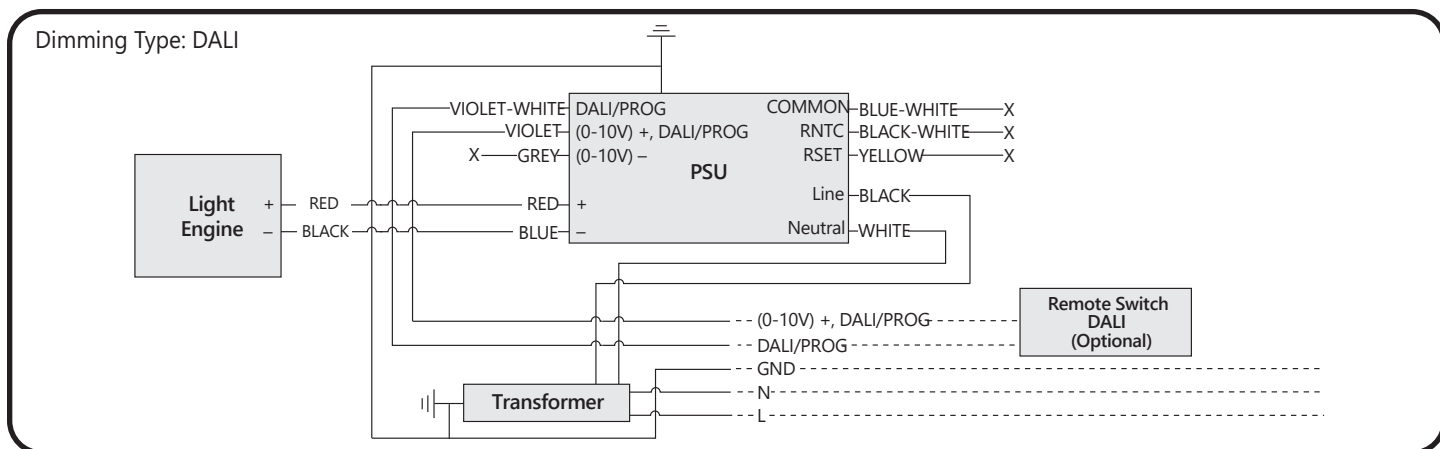
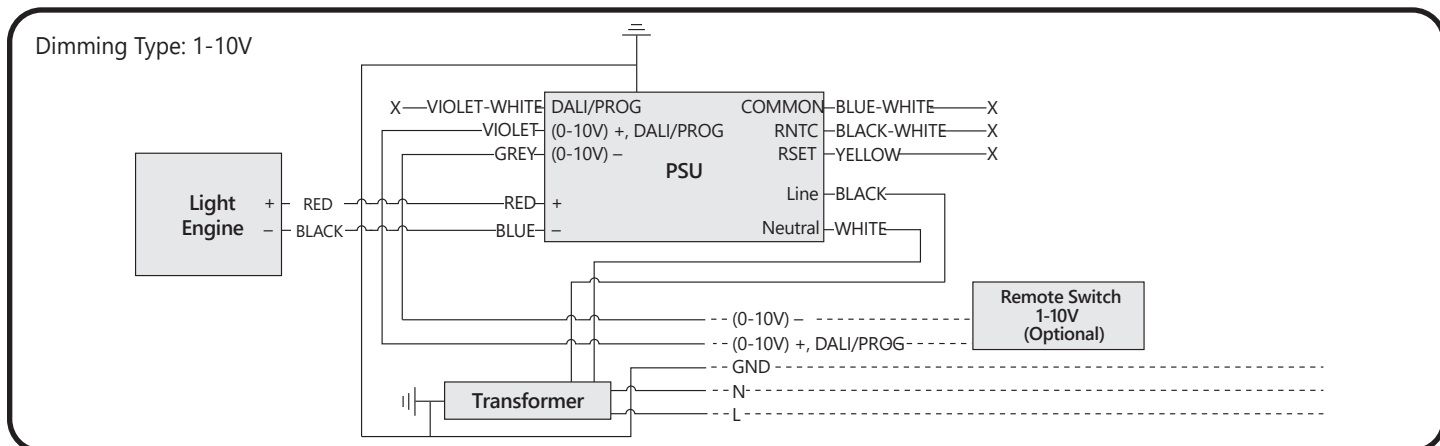
Next connect the luminaire wires to the blue and red wires of the power supply. Connect the green wires to the ground screw.



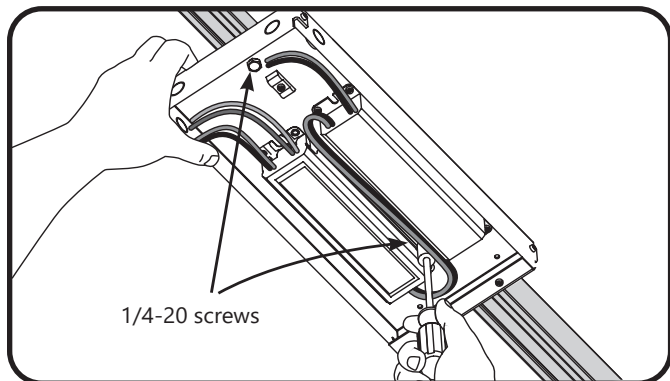
- 6 After completing connections, replace enclosure cover and screw down M4 screws and lock washers. Make sure screws are tight and cover is secured.

Driver Installation (EP-DKIT40D-S-347V and EL-DKIT36D-S-347V)

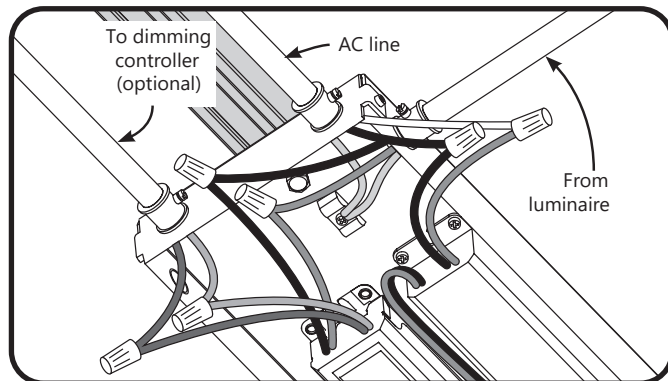
Wiring Diagrams



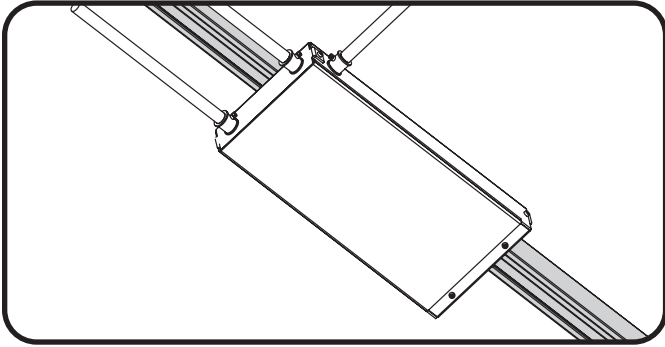
Electrical Connections



1 See previous steps 1 and 2.



2 First connect the black (line) and white (neutral) wires of the AC line to the black and red wires of the transformer using 18-24AWG (0.82-2.08mm²) twist-on wire connectors. Next connect the luminaire wires to the blue and red wires of the power supply. Connect the green wires to the ground screw.



- ③ Replace driver enclosure cover. Enclosure cover is on top for installation.

Troubleshooting

Symptom	Solution
Luminaire does not light	<ul style="list-style-type: none"> • Check input voltage and check power supply input/output connections. • Check circuit breaker.
Luminaire is dim	<ul style="list-style-type: none"> • Maximum recommended supply wire length is exceeded.
Luminaire is blinking	<ul style="list-style-type: none"> • Ensure power supply temperature does not exceed its maximum rating. • Refer to the tc point located on power supply.

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.