



## Multi-Purpose LED RetroFit Kit™

Part Numbers: G4LED-RF-C4151 (4000K) and G4LED-RF-C5051 (5000K)

Engineered Products Company's (EPCO) Multi-Purpose LED Retrofit Kit can lower your energy consumption up to 40%, improve your lighting system, and provide you with long-term sustainable savings. This Kit is intended to retrofit fluorescent light fixtures using T12 or T8 fluorescent lamps and magnetic ballast and convert them into LED Luminaires. The Multi-Purpose LED Retrofit Kit meets the requirement of the 2020 National Electric Code, Articles 410.10(A), 410.104(A), 410.130(G)(1), 547.5(C)(1)(2), and 547.8(A)(B).



- TO BE INSTALLED BY A QUALIFIED ELECTRICIAN.
- **WARNING:** ELECTRICAL SHOCK HAZARD.
- THIS LUMINAIRE SHOULD ONLY BE USED WITH COPPER OR INSULATED COPPER WIRE.
- IF THIS DEVICE WILL BE USED WITH ALUMINUM WIRE, USE ONLY DEVICES MARKED WITH CO/ALR.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.
- IF YOU DO NOT UNDERSTAND THESE INSTRUCTIONS OR IF ADDITIONAL INFORMATION IS REQUIRED, CONSULT WITH A QUALIFIED ELECTRICIAN TO ENSURE AN ACCURATE CONNECTION TO THE BRANCH CIRCUIT.

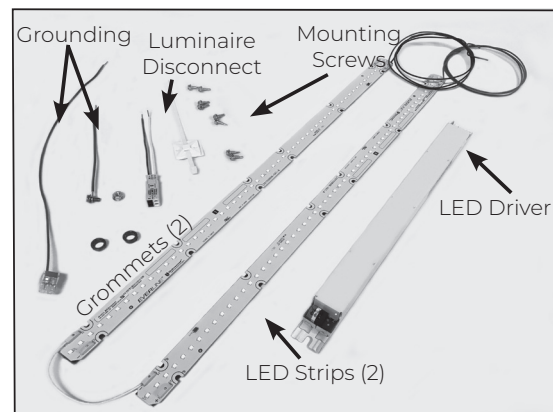


Figure 1: Multi-Purpose Installation Kit Components.

Note: These kits should only be used with electrical wiring that is in good working order and meets all requirements of the National Electrical Code as well as Local Building Codes and Ordinances. Failure to follow these warnings may result in death, injury, or significant property damage. For your protection, read and follow these instructions carefully before installing or maintaining this LED Retrofit Kit. These instructions do not attempt to cover all installation and maintenance situations.

### Components:

- One (1) kit is needed for retrofitting a 4-foot Vapor Tight Light Fixture.
  - Two (2) kits are needed for retrofitting a 8-foot Vapor Tight Light Fixture.
1. Carefully remove the fluorescent lamps and set them side aside. Remove the gear tray from the fixture housing and place it on a horizontal surface, then invert it so you have access to the to the ballast. Disconnect the incoming supply conductors "Hot" (Black), "Neutral" (White), and Grounding Conductors (Green).
  2. Remove the lamp socket plates from the underside of the gear tray. The fluorescent lamps, ballast, and any remaining wire conductors should be removed and recycled at your local Recycling Service Center. Strip the insulation from the incoming black supply line wire to expose approximately 3/8" of bare copper. Follow this same procedure for the white incoming supply line wire and the ground bonding wire.
  3. All old lighting components should now be removed from the gear tray. Figure 1 shows all components in the Multi Purpose LED RetroFit installation kit. The two LED Strips with the magnetic backing are pre-wired at the factory to ensure the incoming power source energizes both LED Strips as follows:  
Red Conductor: "Hot" (or +)  
Blue Conductor: "Neutral" (or -)  
White Conductor: Electrically connects the two LED Strips to ensure both LED Strips are energized

Note: Do not remove the Red, Blue, or White Conductors from the LED Strips or the Warranty will be Void.

Stock Code: E00-701-014



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