

# LED Shelf & Canopy

## INSTALLATION INSTRUCTIONS FOR RETROFIT REFRIGERATION UNITS

# EFFICIENT LIGHTS



### IMPORTANT:

### CAUTION:

### WARNING:

Read **ALL** instructions before starting installation.

To reduce risk of shock, **TURN OFF ELECTRICAL SUPPLY** before installing / servicing the fixtures. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. Before installing the retrofit kit, please ensure to inspect any existing components being reused for the installation of the product (i.e., lampholders). If any of the parts are found to be damaged please repair or replace those parts prior to installation of the retrofit kit.

Fixture must be installed in accordance of National Electrical Code (NEC) and/or any local codes. *Failure to do so may result in serious injury and/or damage to the fixture.*

### Recommended Tools

Hammer



Screw Driver  
(Phillips)



Wire  
Stripper



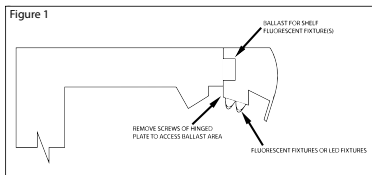
Wire Nuts



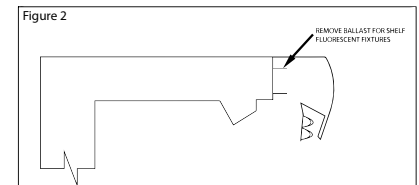
### Safety Instructions

- Observe and follow all label information and instructions regarding dry, damp and wet location listings, proper lamp type and wattage, warnings of installation near combustible materials and/or insulation.
- Turn off power at circuit breaker before attempting to install or perform maintenance on the fixtures.
- Be sure to connect ground wire to prevent electric shock or other potential hazards.
- The product must be installed in a manner consistent with the intended use and in compliance with the national electrical codes and local codes.
- **WARNING: RISK OF FIRE.** Most dwellings built before 1985 have supply wire rated for 60°C. Consult a qualified electrician before installation. The fixture must be connected with supply wire rated for at least 75°C.

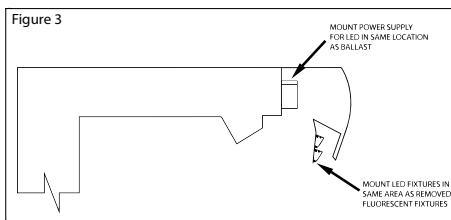
### Removal Instructions



- Remove the existing lamp and lens via manufacturer's instructions.
- Remove screws that hold the hinged cover to access ballast (Figure 1.) Cover will rotate and hang in case.
- Disconnect power source wires from canopy ballast. Installers should cut existing lampholder leads away from ballast.
- Remove existing fluorescent ballast (Figure 2.)



### Installation Instructions



- Mount the 24 VDC class 2 power unit/LED driver in the same place the ballast was mounted (Figure 3.)
- Using connectors that are UL approved, connect one of the 24 VDC class 2 power units to one set of lampholder leads.
- Connect the other conductor of the 24 VDC class 2 power unit to the opposite set lampholder leads.
- \* **Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead, installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.**
- Connect power source to power supply using connectors that are UL approved.
- Install the LED light fixture in the same location as the fluorescent lamp tubes that have been removed (Figure 4.)
- Check all wiring connections. Turn power on and check the LED fixtures for proper operation. Turn power off.
- Rotate hinged cover to prior position making sure not to damage any loose wires. Replace the screws that hold the cover in place (Figure 5.)
- Any combination of up to 5 LED shelf fixtures may be installed per power supply.

