

# LED LINEAR T6 • DUAL POWER

## INSTALL INSTRUCTIONS



**PLEASE FIND A QUALIFIED ELECTRICIAN FOR INSTALLATION. Please read the instructions before you install and use the luminaire.**

**GENERAL:** ALL ELECTRICAL CONNECTIONS MUST BE IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODE (N.E.C.) STANDARDS. IF YOU ARE UNFAMILIAR WITH PROPER ELECTRICAL WIRING CONNECTIONS OBTAIN THE SERVICES OF A QUALIFIED ELECTRICIAN. REMOVE THE TRIM FROM THE BOX AND MAKE SURE THAT NO PARTS ARE MISSING.

**DANGER** - Risk of shock. Disconnect power before installation.

**WARNING** - Risk of fire or electric shock. Installation requires knowledge of luminaries electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.

**WARNING** - Risk of fire or electric shock. Product must be installed in accordance with the national electrical code or your local electrical code. If you are not familiar with these codes and requirements, contact a qualified electrician.

**WARNING - RISK OF FIRE OR ELECTRIC SHOCK.** Install this kit only in luminaries that have the construction features and dimensions shown in the photographs and/or drawings.

**WARNING** - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

**WARNING** - To avoid potential fire or shock hazard, do not use this retrofit kit in luminaries employing shunted bi-pin lampholders. Note: shunted lampholders are only found in fluorescent luminaries with instant start ballasts. Instant start ballasts can be identified by the word "instant start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself or may be combined with the marking for the lamp with which the ballast is intended to be used, for example F40T12/IS. For more information contact the LED luminaire retrofit kit manufacturer.

Installers should not disconnect existing wires from lampholder terminals to make new connections at the 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.

**WARNING** - Risk of fire or electrical shock. Luminaire wiring and electrical parts may be damaged when installing retrofit kit hardware. Check for enclosed wiring and components.

**WARNING** - Risk of fire or electric shock. Check the existing wiring for damage before installing upgrade kit. Do not install if existing wires are damaged.

This retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.

"This luminaire has been modified and can no longer operate the originally intended lamp", shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including lamping.

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.

Do not use with dimmers.

Suitable for damp locations.

Suitable for use in enclosed luminaries.

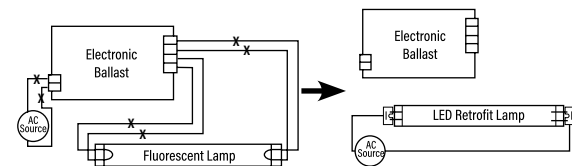
This device is not intended for use with emergency exits.

### **! WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.**

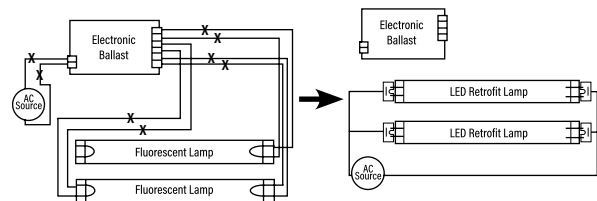
1. Make sure the circuit breaker that supplies the power to the fixture is turned off.
2. Remove existing lens or diffuser cover (if applicable) and existing fluorescent lamps.
3. Open/Remove ballast wiring compartment cover.
4. Identify the line and neutral wires running from the breaker box to the ballast and confirm the power is off using a voltmeter.
5. Cut all wires connected to ballast, and remove ballast (and starter if present). Dispose of removed ballast and fluorescent lamps in accordance with government regulations in your area.
6. LED T5 lamps are designed for double-ended connections only (Figure 1).
7. Wire using appropriate wiring diagram (Figure 2, 3, 4).
8. Reinstall the ballast cover to hide all wires.
9. Install your new LED T5 replacement lamps.
10. Apply relamping label on a visible location inside the fixture.
11. Reinstall lens or diffusion cover on the light fixture.
12. Restore power. Installation complete.



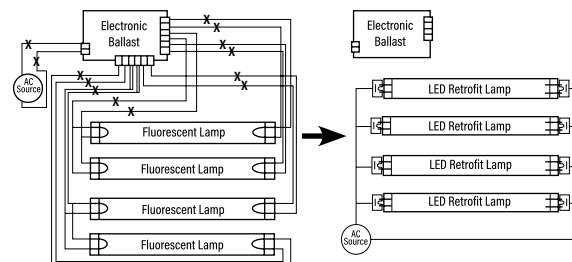
**Figure 1. Double-ended connection**



**Figure 2. Retrofit with one lamp**



**Figure 3. Retrofit with two lamps**



**Figure 4. Retrofit with three/four lamps**