

## LED Double-Ended T8 Linear Retrofit Lamps

### General Safety Information

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

**DANGER** - RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.

**WARNING** - RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRE ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION AND 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 LUMINAIRE THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.

**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** - RISK OF FIRE OR ELECTRIC SHOCK. THE ELECTRICAL RATING OF THESE PRODUCTS ARE 120-277VAC, THE INSTALLER MUST DETERMINE WHETHER THEY HAVE 120-277V AT THE LUMINAIRE BEFORE INSTALLATION.

**WARNING** - RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN INSTALLING OF RETROFIT KIT HARDWARE. CHECK FOR ENCLOSED WIRING AND COMPONENTS.

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.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

DO NOT USE WITH DIMMERS.

SUITABLE FOR DRY AND DAMP LOCATIONS.

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

"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.

ONLY THOSE OPEN HOLES INDICATED IN THE PHOTOGRAPHS AND/OR DRAWINGS MAY BE MADE OR ALTERED AS A RESULT OF KIT INSTALLATION. DO NOT LEAVE ANY OTHER OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS.

THIS DEVICE COMPLIANT 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 UNDESIRABLE OPERATION.

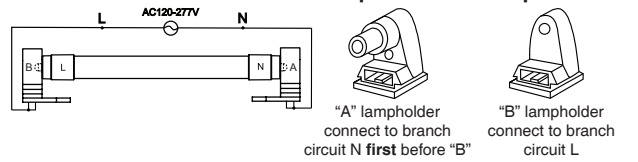


# LED Double-Ended T8 Linear Retrofit Lamps

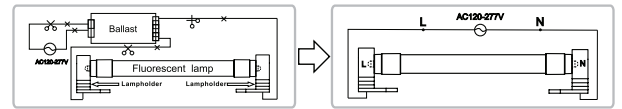
## Installation Instructions

1. Make sure the circuit breaker that supplies the power to the fixture is turned off.
2. Remove 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 T8 lamps are designed for double-ended connections only (**Figure 1**).
7. For Fa8 (single-pin) wiring, connect grounded (neutral) branch circuit "N" to lampholder "A". Connect ungrounded (line) branch circuit "L" to lampholder "B".
8. Wire using appropriate wiring diagram. (**Figure 2, 3**).
9. Reinstall the ballast cover to hide all wires.
10. Install your new LED T8 replacement lamps.
11. Apply Relamping Label on a visible location inside the fixture.
12. Reinstall lens or diffusion cover on the light fixture.
13. Turn power on at the breaker box. Turn on the lights.

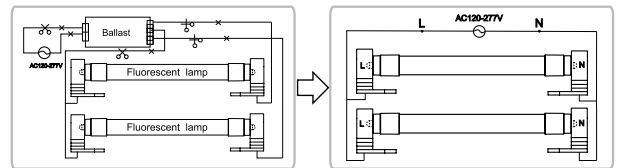
### Single Pin Fa8:



**Figure 1. - Double-Ended connection**



**Figure 2. - Retrofit with One Lamp**



**Figure 3. - Retrofit with Two Lamps**

Company Name: Commercial LED

Address: PO Box 668755, Pompano Beach, FL 33060

Email: [info@comm-led.com](mailto:info@comm-led.com)