FLUORESCENT to LED RETROFIT INSTRUCTIONS
How to safely disconnect/remove the ballast from your existing Fluorescent Fixture.

Before you start, make sure that the input voltage you are running is between 100 and 277 volts. You can find this information on your ballast.

LED Light Tube (Linear Fluorescent Replacement)
LED Light Tube retrofit Installation Instruction

The product package includes the following components:
1. LED Tube (quantity of order)
2. Fixture Label (1 self adhesive)
3. Installation Instruction (3 pages)

IMPORTANT SAFETY INSTRUCTIONS

WARNING:

“THIS PRODUCT SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST NEC AND/OR LOCAL AUTHORITY HAVING JURISDICTION. INSTALLATION SHALL BE PERFORMED BY A QUALIFIED ELECTRICIAN UNDERSTANDING THE CONSTRUCTION AND OPERATION OF THIS PRODUCT AND THE ELECTRICAL REQUIREMENTS INVOLVED.”

- Risk of fire or electric shock: ALWAYS disconnect or terminate power to fixture prior to installation, or replacement, of LED Light Tubes. Failure to do so may result in shock and/or serious injury

- Risk of fire or electric shock: The operating voltage of these products is 100-277 VAC. Installer shall verify operating voltage at the luminaries prior to installation.

- Risk of fire or electric shock: Install retrofit LED Tube Lamps only in new or existing linear fluorescent luminaries modified as described in this manual, that meet the minimum dimension requirements as shown in the illustrations below.

- Risk of fire or electric shock: To prevent wiring damage or abrasion, protect wiring from exposed edges of sheet metal or other sharp objects that may be present in the fixture.

Do not make modifications to or alter fixture housing, ballast enclosure or electrical components other than those required for proper installation.

THIS RETROFIT ASSEMBLY IS AN APPROVED COMPONENT OF A LINEAR FLUORESCENT LUMINAIRE KIT WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR LOCAL AUTHORITIES HAVING JURISDICTION.

- For use only with UL and C-UL Listed surface mounted or recess mounted linear fluorescent luminaries with or without diffuser.

- Fluorescent lamp holders within fixture shall be rewired to line voltage and will no longer operate the original fluorescent lamp.
Included fixture warning label must be affixed to luminaire in a visible location after installation.

- Suitable for dry locations only when used with open, surface, recessed and totally enclosed fixtures. May be used in wet locations when installed in a suitable UL-listed wet location enclosed fixture.

- While most LED Lamps are NOT dimmable, HOLLYWOOD LIGHTS LED products are manufactured with a dimming component and ARE 100% dimmable.

- THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY LIGHTING (BATTERY TYPE) SYSTEMS FOR FLUORESCENT LIGHTING PRODUCTS.

- For use only with UL Listed IC or NON-IC Recessed Mount Fluorescent Luminaries with or without Diffuser.
Environmental requirements:
- Operating temperature: -20 to +40°C
- Storage temperature: -30 to +60°C
- Working humidity: 30% to 85%
- Storage humidity: 10% to 90%
- Storage and operating environment: Normal indoor ventilation and non-corrosive environments

Installation:

DANGER - RISK OF SHOCK - DISCONNECT POWER TO LIGHT FIXTURE BEFORE INSTALLATION

- To replace fluorescent light tube with LED light tube, the wiring must be installed according to these instructions to ensure complete and safe installation of the LED light tube

- The luminaire shall be grounded.

- To ensure a complete and safe installation of LED light tube, please strictly follow following installation guideline.

LED Light Tube Wiring Diagram:

Rewiring Guide for Various Fluorescent Ballasts
NOTE: LAMP HOLDERS / TOMBSTONES CAN BE SHUNTED OR NON-SHUNTED. 
POWER FLOWS THROUGH LED LIGHT TUBE

1. Turn off the power to the light fixture at the breaker panel before installation.

2. If retrofitting an enclosed fixture open the diffuser from the light fixture.

3. Remove existing fluorescent lamps. Please dispose or recycle these items properly in accordance with local requirements as they contain mercury.

4. Open the wiring cover to expose the fluorescent ballast.

5. Cut the wires shown as the diagram above. Optional: Remove ballast and starter and dispose or recycle in accordance with local requirements.

6. Make the new wire connection for new branch circuit wiring required and shown as in diagram above.

7. Reinstall the ballast cover over the wiring channel.

8. IMPORTANT: Install the fixture warning label provided in a visible location after the LED Light Tubes are installed. Either inside the fixture in an easily visible location to anyone changing lamps, possibly on the cover over the wiring channel.

   “Notice: This luminaire has been modified and no longer operates Fluorescent Lamps.”

9. Install the LED tube lamps, close the diffuser.

10. After all LED tube lamps are installed, restore the power at the circuit breaker and turn the lights on.