



## LOD-12WT83FT Installation Guide

Ballast Bypass Single Ended or Double Ended

### SAFETY INSTRUCTIONS: Read instructions carefully before attempting to install fixture.

- **WARNING:** Risk of fire or electric shock. LED tube installation requires knowledge of luminaires electrical systems. If not qualified, do NOT attempt installation. All wiring should be performed by a qualified electrician.
- **WARNING:** Disconnect power before installing or servicing. This fixture must be wired in accordance with the National Electrical Code and applicable local codes and ordinances.
- **WARNING:** Make certain power is OFF before installing or maintaining fixture. No user serviceable parts inside.
- **WARNING:** Do not use with dimmers.
- **WARNING:** Disconnect the power to avoid shock when the equipment is wet.
- **WARNING:** These lamps work with line voltage and require all ballasts and starters to be removed before the bulb is to be installed in the fixture.
- **WARNING:** Install this kit only in luminaires 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:** Do NOT make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- **WARNING:** To prevent wiring damage or abrasion, do NOT expose wiring to edges of sheet metal or other sharp objects.
- **WARNING:** To avoid potential fire or shock hazard, do NOT use this lamp in luminaires employing shunted bi-pin lamp holders. NOTE: Shunted lamp holders are found only in fluorescent luminaries with Instant-Start ballasts. Instant-Start ballasts can be identified by the words "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 lamps with which the ballast is intended to be used, for example F40T12/IS. For more information, contact the LED luminaire retrofit kit manufacturer.
- **WARNING:** Installers should NOT disconnect existing wires from lamp holder terminals to make new connections at lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to the lamp holder lead wires by employing applicable connectors.
- **WARNING:** This LED tube is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction.

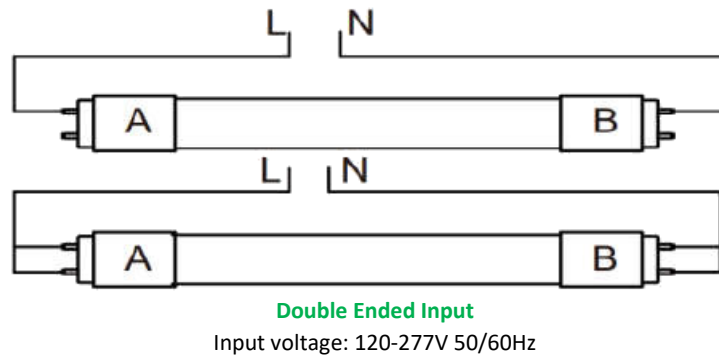
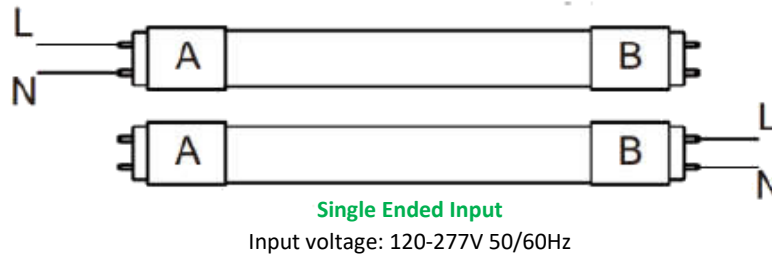
### CLEANING & MAINTENANCE:

CAUTION: Be sure the fixture temperature is cool enough to touch. Do NOT clean or maintain while the fixture is energized.

1. Clean lens with non-abrasive glass cleaning solution.
2. Do NOT open fixture to clean the LED. Do NOT touch the LED.

Note: These instructions do not cover all details or variation in equipment, nor do they provide for every possible situation during installation, operation or maintenance.

**INSTALLATION:** Note: The tube can work either one side power input or double-sided power input.



1. Disconnect power of luminaire.
2. Remove existing tube lamp(s).
  - a. Remove troffer lens, if present.
  - b. Remove existing fluorescent lamp(s)
  - c. Remove ballast cover. (cover may be secured with screws or tabs)
3. Insert LED tubes.
  - a. Read the label on the LED tube to ensure the power end of LED is aligned with powered tube socket. Then insert the LED lamp.
  - b. Replace troffer lens, if present.
  - c. After modification is completed, attach the replacement marking and cautionary label to a visible place on the luminaire and keep it visible after installation.
4. Restore the power of the luminaire.