



LED T8 LINEAR RETROFIT LAMPS INSTALLATION GUIDE

READ ALL WARNINGS AND INSTRUCTIONS PRIOR TO INSTALLING THE T8 RETROFIT LAMPS TO ENSURE SAFETY AND PROPER OPERATION

WARNINGS

WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician in accordance with the National Electrical Code and relevant local code.

WARNING - Risk of fire or electric shock. Install this kit only in the 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 - 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 luminaires employing shunted bi-pin lampholders. **Note:** Shunted lamp holders are found only in fluorescent luminaires 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.

Installers should not disconnect existing wires from lamp holder 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. This device is not intended for use with emergency exits.

THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

Suitable for use with NON-SHUNTED lampholders only. See Diagram 1 below.

This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.

Connect hot wire only to end cap with the L and N markings. Opposite end cap is dead, do not wire. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR

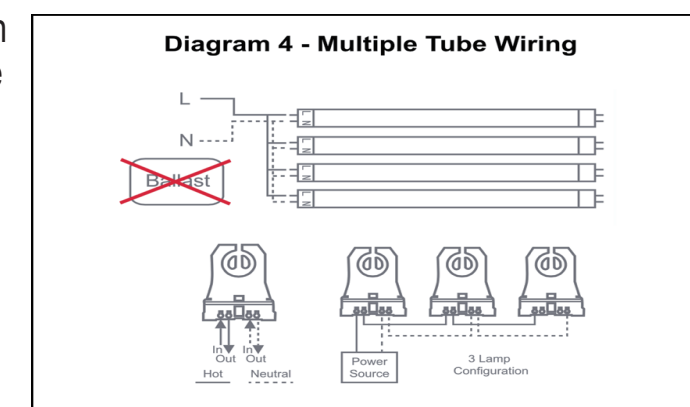
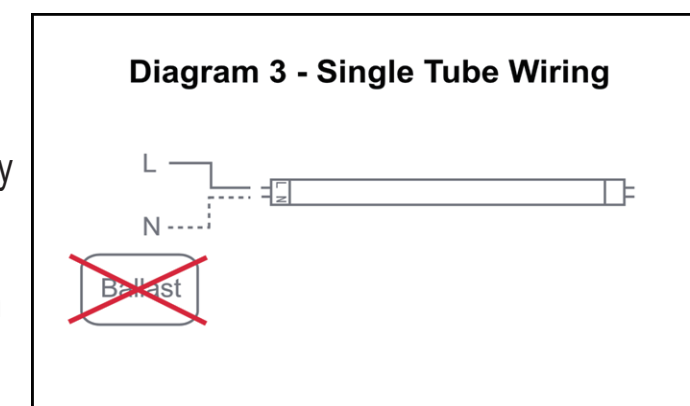
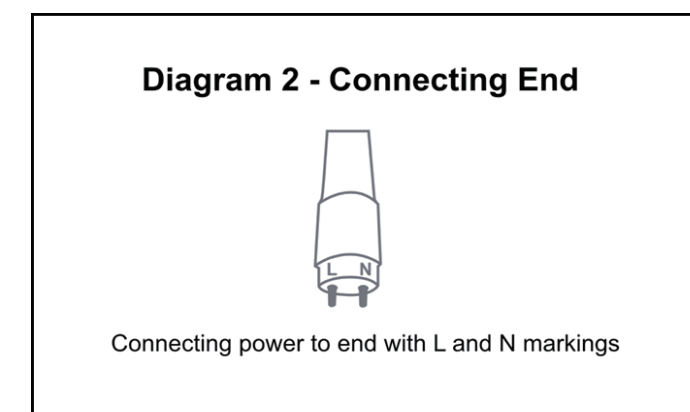
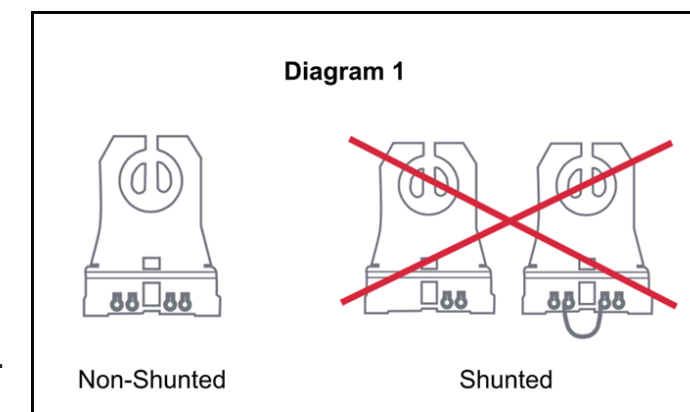
**NOT FOR USE WITH DIMMERS.
SUITABLE FOR DAMP LOCATIONS**

The units covered by this guide were intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum four for all models. All models can be operated in luminaire with or without diffuser. The minimum lamp compartment dimensions are tabulated below.

Model Number	MINIMUM LAMP COMPARTMENT DIMENSIONS (cm)
190121 190001-DW-US	123 x 57 x5

INSTALLATION GUIDE

1. Read all WARNINGS before continuing this section.
2. Ensure fixture is 120-277V.
3. Make sure POWER IS TURNED OFF AT THE SOURCE. Do not simply switch off fixture.
4. Remove existing covers from the light fixtures according to the light fixture manufacturer's instructions. Carefully remove the existing fluorescent tubes and dispose of them according to federal, state and local laws.
5. Cut off wires connected to ballast, and remove ballast (and starter if present). Dispose of removed ballast according to federal, state and local laws.
6. If applicable, replace lamp holders at power end with non-shunted lamp holders.
7. Connect Live (L) from power source into non-shunted lamp holder "L In".
8. Connect Neutral (N) from power source into non-shunted lamp holder "N In".
9. If installing a single tube refer to Diagram 3 and go to section 13. If connecting multiple lamps, continue reading.
10. Connect separate hot wire into "Hot out" from primary source lamp holder and connect that wire into "Hot in" on the adjacent tube.
11. Connect separate neutral wire into "Neutral out" from primary source lamp holder and connect that wire into "Neutral in" on the adjacent tube. See Diagram 4 below.
12. Continue this process for additional lamps.
13. This device is powered on one end only, the end with L and N markings. See Diagram 2. Do not wire opposite end of lamp holder.
14. Install lamp with the L and N markings into the wired lamp holder end.
15. Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
16. Return power back to source and installation is now completed.



Home EVER Inc.
www.lepro.com Tel: +1 866-287-2558
Addr: 1810 E Sahara Ave Suite 1526,
Las Vegas, NV 89104, United States
Made in China