

LED LINEAR T8 • DIRECT WIRE

INSTALL INSTRUCTIONS



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

WARNINGS - Risk of fire or electric shock. LED Retrofit lamp 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. Install this lamp only in the luminaires 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 lamp in luminaires employing shunted bi-pin lamp holders. 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 lamp holder terminals. Instead installers should cut existing lamp holder leads away from the lamp holder and make new electrical connections to lamp holder lead wires by employing applicable connectors. 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 re-lamping.

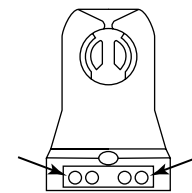
This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.

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.

WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

STOP - Suitable for use with NON-SHUNTED lamp holders only. **DO NOT** install this product in a fixture that uses shunted lamp holders (found in all fixtures with instant start ballasts). Installing this product with shunted lamp holders will cause a short circuit condition in the lamp holder and create a fire or shock hazard. Before continuing, determine if the lamp holders currently installed in the fixture are shunted or non-shunted. If the current lamp holders are shunted, cut the wires away from the lamp holders and install non-shunted lamp holders, making new connections with the lead wires at terminals.

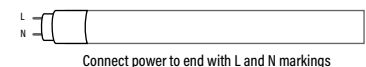


Non-shunted lampholder

INSTALLATION GUIDE

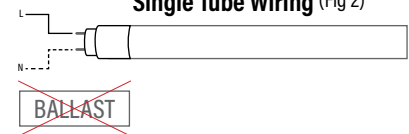
1. Read all WARNINGS before continuing this section.
2. Ensure fixture is 120-277V.
3. Make sure POWER IS TURNED OFF AT THE SOURCE. Do not simply switch off fixture.
4. Remove existing covers from the light fixtures according to the light fixture manufacturer's instructions. Carefully remove the existing 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 (Fig 2) and go to #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. (Fig 3)
12. Continue this process for additional lamps.
13. This device is powered on one end only, the end with L and N markings. (Fig 1) 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.

Connecting End (Fig 1)

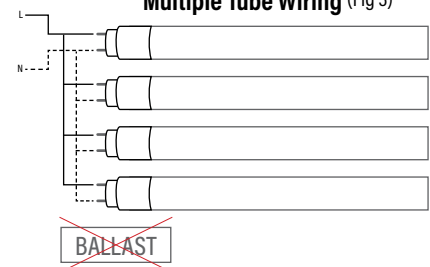


Connect power to end with L and N markings

Single Tube Wiring (Fig 2)



Multiple Tube Wiring (Fig 3)



3 Lamp Configuration

