

T8 LED Lamp Installation Manual

Product Series:

Model Number	Nominal Length	Rated Power	Input Voltage
T8T2xx	2'	12W	100-277V, 50/60Hz
T8T4xx-15	4'	15W	100-277V, 50/60Hz
T8T4xx	4'	19W	100-277V, 50/60Hz

Ambient Working Conditions:

Maximum Working Temperature: 40°C

Storage Temperature Range: -40~60°C

Storage Humidity: 10%-90%

Suitable for indoor use only.

Not for use with dimmers.

Caution – Risk of Electric Shock – Use in Dry Locations Only

Only use in Type IC Listed Fluorescent Maximum Three lamped troffer style luminaire without diffuser.

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS

Remove thermal protector used in existing recessed luminaire if any.

Do not install in a raceway or a luminaire marked for through branch wiring.

Always connect ground lead to fixture where applicable.

Provide minimum 4.3-inch space between lamps.

WARNING:

- 1) Risk of fire and electric shock. Installation of this lamp requires knowledge of luminaires' electrical systems. Installation should be done by a qualified electrician.
- 2) To prevent damage or abrasion to wiring, do not expose wiring to edges of sheet metal or other sharp objects.
- 3) 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 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.
- 4) 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.
- 5) "This luminaire has been modified and can no longer operate as originally intended," shall be marked on the retrofit luminaire where readily visible to the user during normal maintenance including re-lamping.
- 6) LED Lamp Replacement Marking – Identification of the replacement LED lamp type/model to be used along with manufacturer and ordering information.
- 7) There shall be text or a diagram showing how the supply connection were made to the lamp holders so the correct connections will be made to the lamp when the lamp is installed or replaced.

Unpacking and Checking

- 1) Open the package and check the products. Please handle with care.
- 2) If the T8 LED lamp is damaged, please contact the manufacturer instantly with the complete package.
- 3) Do not try to use the damaged lamp.
- 4) Packing box contains: 1 each of Specifications, 1 each of T8 LED Lamp, 1 each of re-lamping label, 1 each of Installation Instructions.

Installation

- 1) Disconnect all power to the fixture.
- 2) Take off the fluorescent lamp.
- 3) Remove the ballast and starter where applicable.
- 4) Designate one side of the fixture lamp sockets as the “LIVE END” and mark for future reference.
- 5) Connect the positive lead (Line) to one of the two wires connected to the lamp pin base and connect the negative lead (Neutral) to the second of the two wires connected to the same lamp pin base (See Figure 1) of the LIVE END. All connections are made by wire nuts.

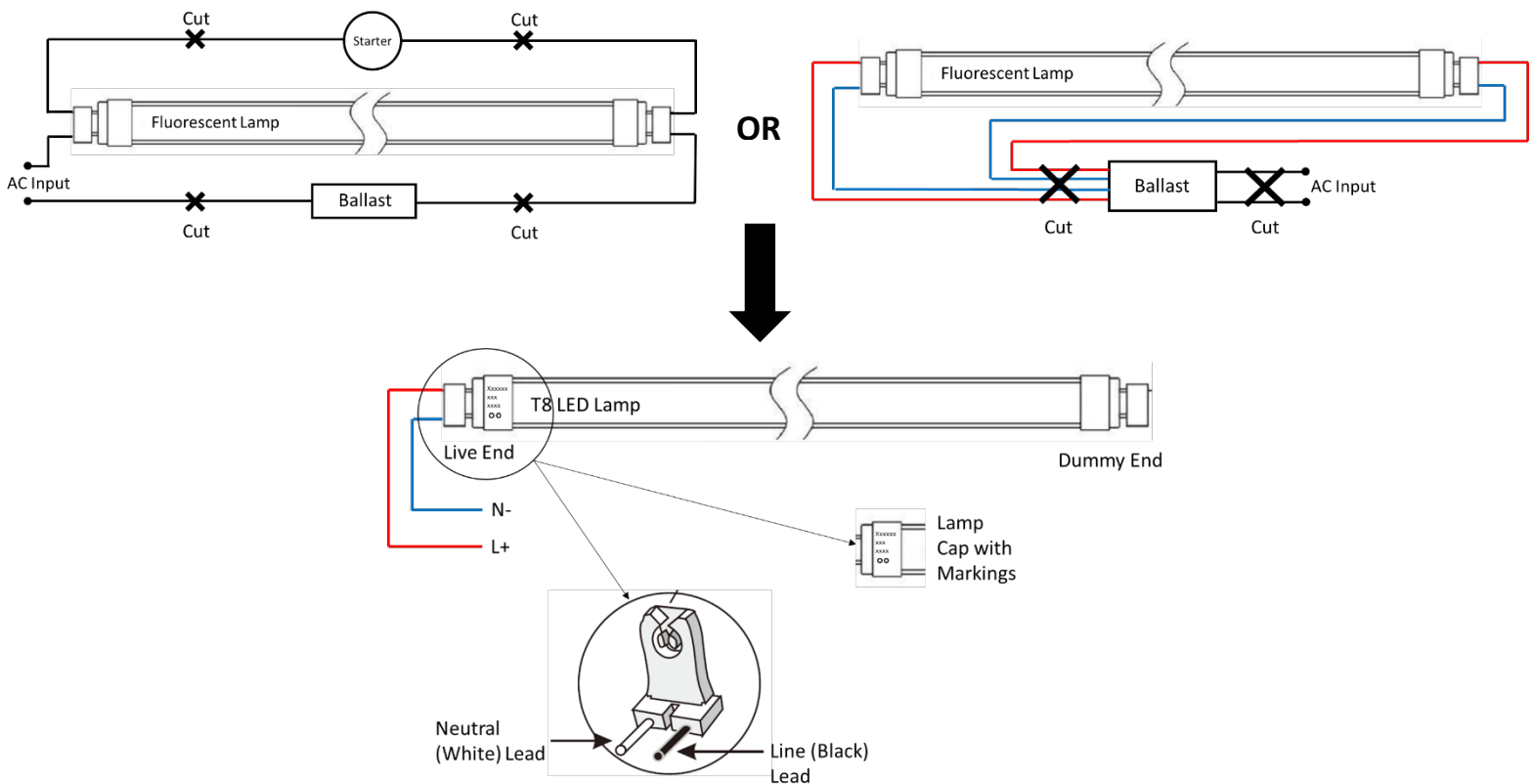


FIGURE 1

- 6) Install the T8 LED Lamp in fixture matching the end cap with markings to the “LIVE END” side of the fixture (Figure 1). The end cap with no markings is not wired and should not be inserted in the LIVE END side socket. Turn the tube 90° to ensure that the tube is locked inside the lamp socket.

- 8) Affix the Lamp Replacement Marking label and cautionary label to luminaire where readily visible to the user during normal maintenance including re-lamping.
- 7) When wiring more than one lamp, connect Line (Black) Leads from all lamp holders together, and Neutral (White) Leads all lamp holders together (See Figure 2).

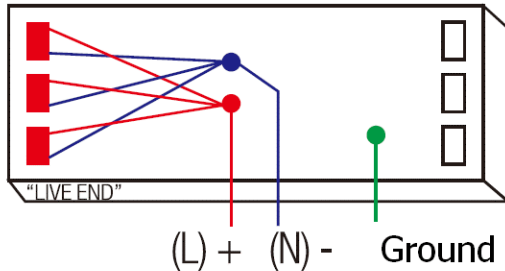


FIGURE 2

Cautions:

- 1) To ensure the product works properly, use power supply within the specified input voltage range.
- 2) Follow the correct installation steps to install the product. Do not touch the lamp while it is working.
- 3) Always cut off the power while installing and uninstalling the product.
- 4) Do not use the product in high humidity or dusty environments; such as bathrooms, sauna rooms.
- 5) Do not disassemble the lamp. Call a qualified electrician for maintenance if the lamp is exposed to water or other liquids, if the lamp starts flashing, starts making abnormal sounds or emitting unusual odors.