



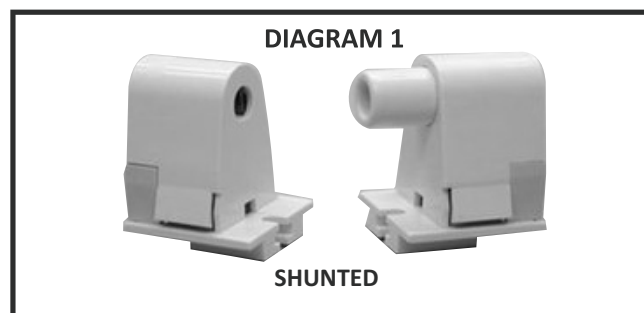
RETROFIT LED T8 LAMP INSTALLATION GUIDE

The retrofit kit includes one (1) LED tube, one (1) installation instruction, and one (1) field-applied “Modified Luminaire” label.

The T8 LED tubes are intended to retrofit a type Non-IC or type IC recessed enclosed fluorescent luminaire with straight tubular lamps.

CAUTIONS AND WARNINGS

- **WARNING— RISK OF FIRE OR ELECTRIC SHOCK.** LED Retrofit Kit installation requires knowledge of luminaires electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.
- **WARNING— RISK OF FIRE OR ELECTRIC SHOCK.** Install in fixtures suitable for comparable T8 tubes.
- **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 – RISK OF FIRE OR ELECTRIC SHOCK.** This item is rated **120-277V 50/60Hz**. The installer must determine whether line voltage 120V-277V is available at the luminaire before installation.
- **DANGER—RISK OF ELECTRIC SHOCK.** Disconnect power before installation.
- **WARNING** – Use this retrofit kit in luminaires employing shunted Single Pin lamp-holders. Note: Shunted lampholders are found simultaneously 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 lampholder terminals to make new connections. Instead, installers should cut existing lampholder leads away from the lampholder and make new electrical connections to the lampholder lead wires by employing applicable connectors.
- The product is suitable for Damp location.
- This lamp is non-dimmable. Not for use with Dimmers.
- Not intended for use with emergency exit fixtures or emergency exit lights.
- Complies with Part 15 of FCC.





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Step 1: Verify that all contents of the retrofit kit are included. Read the entire installation guide before proceeding on to the next step.

Step 2: Disconnect power to the circuit at the breaker.

Step 3: Remove lens, if applicable, remove fluorescent lamps and ballast cover.

Step 4: As shown by Diagram 2, cut all wires that connect to the ballast. Cut the wires close to the ballast to allow for longer lengths of wire connected to the lampholder. Properly discarded ballast or leave it in the fixture with the wires capped off.

Step 5a: If applicable, replace lampholders at the power-end of the luminaire with non-shunted lampholders. Otherwise, Proceed to Step 6.

Step 5b: As shown by Diagram 3, connect Line/Hot (L) from the power source into the one end of the lampholder and connect the Neutral (N) from the power source into the other end of the lampholder. Proceed to Step 7.

Step 6: As shown by Diagram 4, connect Line/Hot (L) from power source to one wire of a lampholder and connect Neutral (N) from the power source to the other wire of the lampholder.

Step 7: If installing multiple lamps, repeat step 6 as shown by Diagram 5.

Step 8: The lamps are powered on two end ONLY. The ends are marked by "L" or "N".

Step 9: Install lamp with the "L" or "N" inserted into the wired lampholder end, as shown by Diagram 6.

Step 10: Apply the "Modified Luminaire Label" to the fixture.

Step 11: Reconnect power to the circuit. Test lamps for proper operation.

DIAGRAM 2

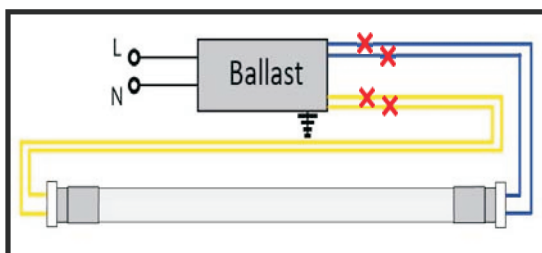


DIAGRAM 3

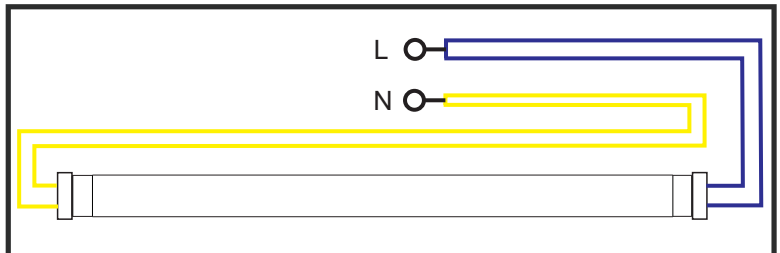


DIAGRAM 4

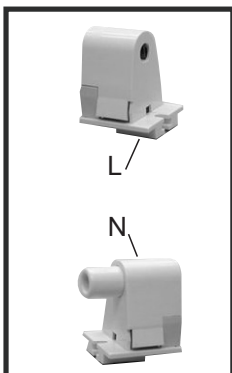


DIAGRAM 5

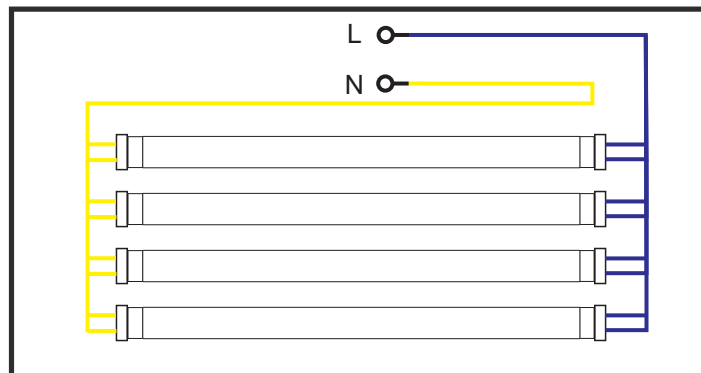


DIAGRAM 6

