



## GE current LEDL144 LED Double Ended Type B T5 Tubes Installation Guide

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**GE current LEDL144 LED Double Ended Type B T5 Tubes**



LED Double Ended Type B

T5 Tubes (120V to 277V)

The Type B LED T5 Tubes listed above are to be used with G5 (miniature bi-pin) lamp holders that are either internally or externally shunted.

## Installation Guide

LED25BDT5/G4/XY# LED25BDT5/G4/XY# LED17BDT5/G3/XY# LED11BDT5/G2/XY#  
LED14BDT5G4XYHE# LED11BDT5G3XYHE# LED9BDT5G2/XYHE#

### BEFORE YOU BEGIN

Read these instructions completely and carefully.

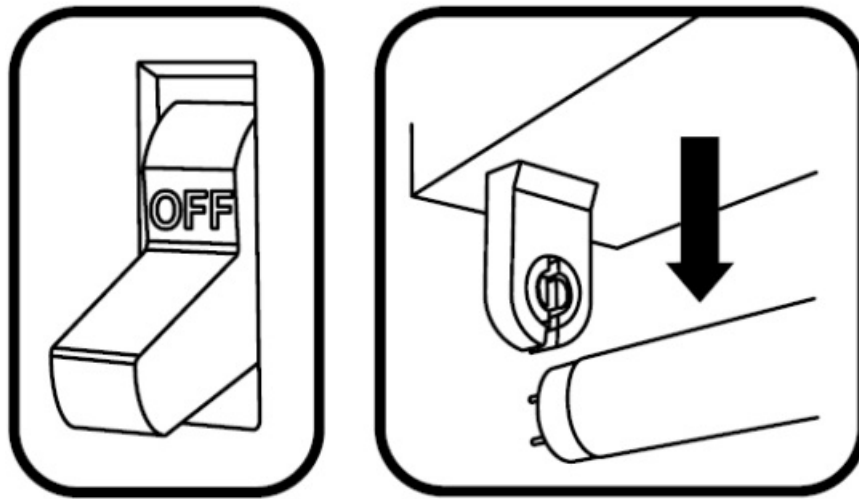
Ensure that package includes installation guide, warning label to be attached to luminaire, LED T5 tube. Minimum fixture volume for (6) 4' lamps is 48 inches long x 22 inches wide x 2 inches deep. Minimum socket spacing is 3.1 inches apart. Minimum fixture volume for (4) 3' lamps is 38 inches long x 22 inches wide x 2 inches deep. Minimum fixture volume for (4) 2' lamps is 24 inches long x 22 inches wide x 2 inches deep. Minimum socket spacing is 5.5 inches apart. Product is not intended to be used with dimmers or emergency lighting. This LED T5 tube is not suitable for direct replacement of linear fluorescent lamps in luminaires where the lamps are connected to a ballast. The technical and safety requirements of the converted luminaire are the sole responsibility of the party doing the conversion and shall comply with the local applicable safety and regulatory laws and standards. The provided Caution label should be placed onto the converted luminaire to indicate that the luminaire has been modified and can no longer be used with conventional fluorescent lamps.

### WARNING

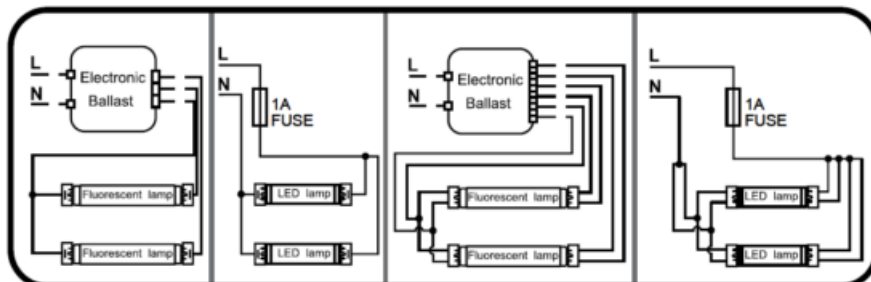
**RISK OF FIRE OR ELECTRIC SHOCK:** LED Retrofit Kit installation requires knowledge of luminaire electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician. Install this kit only in luminaires that have the construction features and dimensions shown in the drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Installers should not disconnect existing wires from lampholder 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 the lampholder lead wires by employing applicable connectors (or replace with new shunted lamp holders). THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. Installers should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit. This lamp operates directly from 120V-277V mains. Do not use Ballast or any starting aid. Do not connect to a voltage higher than 277 volts. To reduce risk of misapplication, Current recommends installing the Fuse Kit (BT8-1AFUSEKIT) in series with the Phase or Hot lead and the SHUNTED (Instant Start style) lamp holder(s) per the wiring diagrams below. Only one fuse kit is needed for up to 4 tubes in the same fixture at 277V. Ensure the lamp holders are SHUNTED for Double Ended T5 applications.

### Installation Instructions

1. Ensure power is off to luminaire by disconnecting the supply voltage.



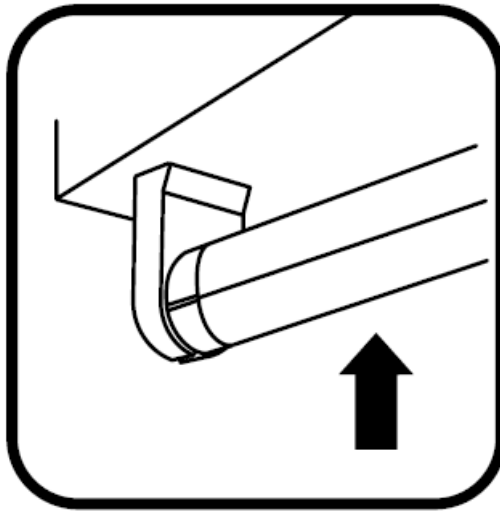
2. Remove all fluorescent lamps and ballast/ wiring area cover. Cut the ballast lead wires about 6 inches away from each lamp holder.
3. If two wires come from an existing lamp holder (rapid start type), these two wires should be wired or shunted together.
4. Connect the recommended fuse and fuseholder (not supplied) to the black (hot) wire from the mains.
5. Connect together all of the lampholder leads on one side and connect to the other side of the recommended fuse with suitable wire.
6. Connect together all of the lamp holder leads on the other side of the fixture and connect to the white or neutral wire from the mains.
7. Replace the ballast / wiring area cover, ensuring no wires are pinched between the cover and the fixture.



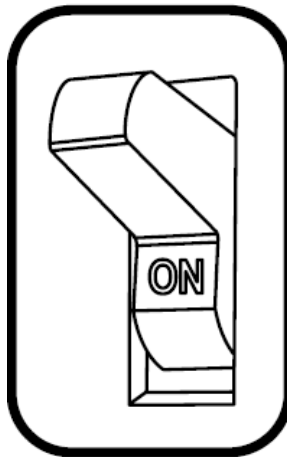
8. Install the retrofit kit Caution label in an easy to see location to ensure the user understands the system now uses LED Type B double ended tubes, and the use of fluorescent lamps may result in damage or injury.



9. Install Type B double ended tubes.



10. Re-apply power to fixture and ensure proper operation.



This lamp is designed for general lighting service. This lamp may not be suitable for use in all applications where a conventional fluorescent lamp has been used.

This Class A device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment. This device complies with CAN ICES-005A.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

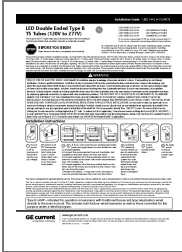
Type B LAMP – intended for operation in luminaires with traditional fluorescent-type lamp holders wired directly to the branch circuit. This includes both factory-wired luminaires as well as those converted for this purpose under a retrofit program.

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LEDL144 (Rev 10/20/21) – A-1024878

**Documents / Resources**



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References

- [C Commercial Lighting and Lighting Controls | Current - GLI Brands](#)