

LED Double Ended Type B T8 Tubes (120V to 277V)

LED15BDT8/G4/830
LED15BDT8/G4/835
LED15BDT8/G4/840
LED15BDT8/G4/850

LED14BDT8/G4/830
LED14BDT8/G4/835
LED14BDT8/G4/840
LED14BDT8/G4/850

LED10BDT8/G3/830
LED10BDT8/G3/835
LED10BDT8/G3/840
LED10BDT8/G3/850

LED8BDT8/G2/830
LED8BDT8/G2/835
LED8BDT8/G2/840
LED8BDT8/G2/850

Above listed Type B LED T8 Tubes are suitable to replace T8 fluorescent lamps in luminaires containing standard or non-shunted G13 (medium bi-pin) lamp holders.



BEFORE YOU BEGIN

To install the Type B LED T8, please read the entire installation guide carefully. To protect against future misapplication, GE recommends installing an in-line fuse: Type 2AG, rated at 1 amp, 350 volts, Littelfuse part number 0209001 MXP or equivalent. Available through GE, BT8-1AFUSEKIT.

Ensure that package includes installation guide, warning label to be attached to luminaire, LED T8 tube.

Minimum fixture volume for 4 lamps is 48 inches long x 12 inches wide x 4 inches deep (4'), 36 inches long x 12 inches wide x 4 inches deep (3'), or 24 inches long x 12 inches wide x 4 inches deep (2'). Minimum socket spacing is 2.5 inches apart.

Product is not intended to be used with dimmers and emergency light luminaires. This LED T8 tube is not suitable for direct replacement of linear fluorescent lamp in luminaires where the lamps are connect 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 Warning label should be placed onto the converted luminaire to indicate the the luminaire has been modified and can no longer be used with 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 on 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 or sheet metal or other sharp objects. Installers should not disconnect existing wires from lampholder terminals to make new connections at lamp holder 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 non-shunted lamp holders). THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. This lamp operates direct 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, GE 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. Ensure the lamp holders are SHUNTED for Double End T8 applications.

CAUTION: RISK OF FIRE OR ELECTRICAL SHOCK

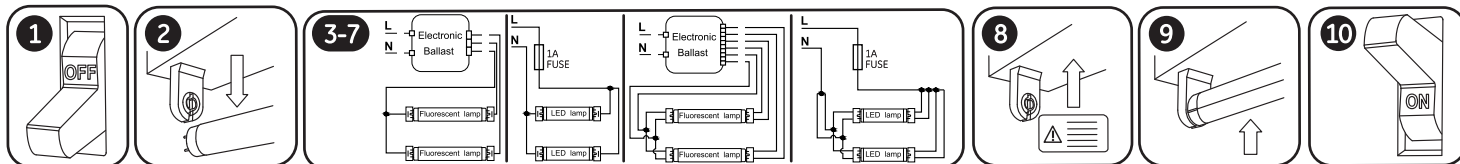
- Apply provided re-lamp warning sticker onto the fixture in a location where readily visible by the user during and after installation.

RISK OF INJURY OR DAMAGE

- This Luminaire has been modified and can no longer operate a fluorescent lamp. Only use the replacement LED T8 type or contact manufacturer for more information.

Direct wire / New luminaire

- 1) Ensure power is off to luminaire by disconnecting the supply voltage.
- 2) Remove all fluorescent lamps and the ballast, clipping 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 all of the lamp holder leads on one side all together and connect to the other side of the recommend 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, ensure no wires are pinched between the cover and the fixture.
- 8) Install the warning 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 traditional fluorescent lamp has been used.

This 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. This Class [A] RFLD 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.

