

GE
Lighting

Retrofit Solutions

energy smart® LED tubes
compatible with electronic ballast



BEFORE YOU BEGIN

Read these instructions completely and carefully

Save these instructions

These Instructions do not purport to cover all details or variations in components nor to provide for every possible contingency with respect to installation, operation or maintenance. Should further information be desired or should particular problems arise which are not covered sufficiently for the purchaser's purpose, the matter should be referred to General Electric Company. GE Lighting does not claim liability for any installation not performed according to this guide or not performed by a qualified electrician.

GE LED T8 lamps are suitable to replace only T8 fluorescent lamps in fixtures containing standard G13 (medium bi-pin) sockets.

The minimum size for a 4 lamp luminaire is 120 cm X 60 cm X 8 cm

For Your Safety

Read and observe all CAUTIONS and WARNINGS shown throughout these instructions

- Installation to be performed by trained and qualified personnel. Ensure this manual is provided to the installers and users.
- Use this product only in the manner intended by the manufacturer. If there are any questions or concerns, contact the manufacturer.
- The product is designed for indoor applications only, and should not be used where directly exposed to weather.
- The product is not intended for use with Emergency exits.
- Suitable for dry/damp locations.

Provided Components

The components have been properly packed to avoid damage during transit. Inspect the components to confirm there is no physical damage. Do not install damaged components.

The carton consists of:

1. LED tubes
2. Installation guide
3. Labels



imagination at work

Installation Guide

⚠ CAUTION

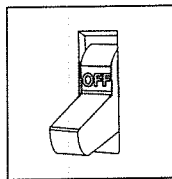
Risk of Electric Shock- Suitable for Damp Locations. Risk of Fire - Use Only in Place of Fluorescent Lamps Specified on Label. If the Lamp or Luminaire Exhibits Undesirable Operation, Immediately Turn OFF Power, Remove Lamp From Luminaire and Contact Manufacturer. Direct Replacement for 25W/48T8, 28W/48T8, 30W/48T8, 32W/48T8 Lamps Only. Do Not Install This Lamp in a Pre-Heat Luminaire. This Lamp Only Operates on Electronic Ballasts. If Lamp does not Light when Luminaire is Energized, Remove Lamp from Luminaire and Contact Lamp Manufacturer or Qualified Electrician.

Not evaluated for use with emergency exit fixtures or emergency exit lights. This device complies with Part 18 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. NOTE: This product complies with Part 18 of the FCC Rules but may cause interference to radios, televisions, wireless telephones, and remote controls. Avoid placing this product near these devices. If interference occurs, move the product away from the device or plug either into a different outlet. Do not install this product near maritime safety equipment or other critical navigation or communication equipment operating between 0.45-30 MHz. This device complies with CAN NMB-005B.

Product information

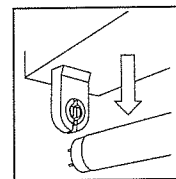
Step 1

Ensure that the power to the unit is turn off. Use proper Lock out and Tag out procedures.



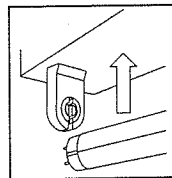
Step 2

Remove existing lamps and fixture cover plate from the luminaire



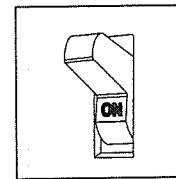
Step 3

Insert the energy start® LED tube into the lamp holder



Step 4

Restore the power supply and make sure lamps are operating correctly.



Maintenance/Lamp Replacement

Contact qualified electrician for the maintenance service. For any questions or concerns contact the manufacturer.

Product information

Bulb shape	Base	Watt	PC	Description	Case Qty	MOL (in)	Initial Lumens	Color temp (K)	CRI	Rated life (L70)	UL
T8	Medium Bi-pin (G13)	13.5	21309	LED13ET8G4/830US	20	46	1800	3000	80+	50000	Yes
T8	Medium Bi-pin (G13)	13.5	21344	LED13ET8G4/835US	20	46	1900	3500	80+	50000	Yes
T8	Medium Bi-pin (G13)	13.5	21373	LED13ET8G4/840US	20	46	1900	4000	80+	50000	Yes
T8	Medium Bi-pin (G13)	13.5	21377	LED13ET8G4/850US	20	46	2000	5000	80+	50000	Yes

Compatible ballast list

Please refer to: GElighting.com/LEDTUBES-ballast-compatibility
 Note: Contact GE sales representatives if the ballast to be used to operate the lamp is not listed in the table