

Refit Solutions

energy smart® LED tubes with GE Tunable Driver



BEFORE YOU BEGIN

Read these instructions completely and carefully.

Save These Instructions

These Instructions do not purport to contain all details or variations in components nor to provide for every possible contingency to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problem arise which is 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 by a qualified electrician.

For Your Safety

Read and observe all **CAUTIONS** and **WARNINGS** shown throughout these instructions.

- Installation to be performed by factory trained or 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.
- This tube is designed for indoor application only, and should not be used in environment of high temperature and high humidity.
- Energy smart LED tubes & GE LED drivers (products SKUs on last page of this installation guide) are sold separately. Do not operate energy smart® LED tubes without the corresponding GE LED driver.
- This device is not intended for use with Emergency exits.
- Suitable for dry or damp location.
- Suitable for "Type IC" or "Type non-IC" luminaires.
- Max. 4pcs LED tubes can be operated in a luminaire.
- This device complies with Part 15 Class A of FCC Rules.



imagination at work

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.

Energy Smart® LED Tube with remote GE driver

The carton consists of:

- LED tubes
- Driver
- Instruction sheet
- Labels (Affixed to Luminaire)

WARNING

RISK OF FIRE OR ELECTRIC SHOCK

- Disconnect power before installation or maintenance. Contact a qualified electrician for installation.
- LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings.
- 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 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.

CAUTION

RISK OF INJURY

- Tube may fall down if not installed properly, follow installation instructions.
- Wear safety glasses and proper aid during installation and maintenance.

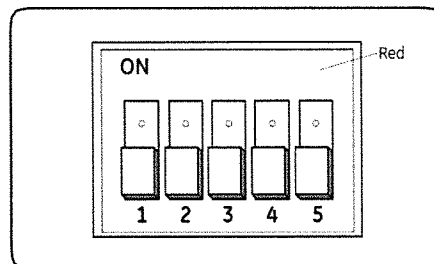
RISK OF PRODUCT DAMAGE

- Do not replace conventional LFL directly with energy smart LED tubes. Energy smart LED tubes need a DC voltage to work.

Programming the GE Tunable Driver

Before installation, GE Tunable Drivers must be set to the desired output.

Adjust the switches on the side of the driver to achieve the desired performance according to the table below.



LOW WATTAGE DRIVER DESCRIPTION	DRIVER PRODUCT CODE	SYSTEM WATTS PER LAMP	1	2	3	4	5
LED/DR/D2L/LW LED/DR/D4L/LW	21378 21379	16.5	OFF	OFF	OFF	OFF	OFF
		15	<u>ON</u>	OFF	OFF	OFF	OFF
		12	OFF	<u>ON</u>	OFF	OFF	OFF
		9	OFF	OFF	<u>ON</u>	OFF	OFF
		8	OFF	OFF	OFF	<u>ON</u>	OFF

GE LED Lamps for use with Low Wattage Drivers

4FT PLASTIC	4FT GLASS	3FT PLASTIC	3FT GLASS	2FT PLASTIC	2FT GLASS
LEDT8/LC/4/XXY	LEDT8/LC/G/4/XXY	LEDT8/LC/3/XXY	LEDT8/LC/G/3/XXY	LEDT8/LC/2/XXY	LEDT8/LC/G/2/XXY
LED21T8/4/XXY	LEDT8/LC/G4/XXYUS	LED18T8/3/XXY	LED18T8/G/3/XXY	LED9T8/2/XXY	LED9T8/G/2/XXY
LED15T8/4/XXY	LED21T8/G/4/XXY	LED15T8/3/XXY	LED15T8/G/3/XXY	LED14T8/U/8XX	LED15T8/G/U6/XXY
LED12T8/4/XXY	LED15T8/G/4/XXY				LED15T5/G/2/8XX
	LED12T8/G/4/XXY				
	LED15T5/G4/XXYHE				

HIGH WATTAGE DRIVER DESCRIPTION	DRIVER PRODUCT CODE	SYSTEM WATTS PER LAMP	1	2	3	4	5
LED/DR/D2L/HW	21383	25	OFF	OFF	OFF	OFF	OFF
		23	<u>ON</u>	OFF	OFF	OFF	OFF
		21	OFF	<u>ON</u>	OFF	OFF	OFF
		19.5	OFF	OFF	<u>ON</u>	OFF	OFF
		18	OFF	OFF	OFF	<u>ON</u>	OFF
LED/DR/D4L/HW	21392	21	OFF	OFF	OFF		
		19.5	<u>ON</u>	OFF	OFF		
		18	OFF	<u>ON</u>	OFF		

GE LED Lamps for use with High Wattage Drivers

4FT PLASTIC	4FT GLASS	3FT PLASTIC	3FT GLASS	2FT PLASTIC	2FT GLASS
LEDT8/LC/4/XXY	LEDT8/LC/G/4/XXY	LEDT8/LC/3/XXY	LEDT8/LC/G/3/XXY		
LED21T8/4/XXY	LEDT8/LC/G4/XXYUS	LED18T8/3/XXY			
	LED21T8/G/4/XXY				

X used to indicate CRI, YY used to indicate color temperature.