

Refit Solutions

Current LED Tube with remote LumenChoice™ Driver



BEFORE YOUR 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 to be met in connection with installation, operation or maintenance. Should further information be desired or should particular problem 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 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.
- GE LED tubes & GE LED drivers (products SKUs on last page of this installation guide) are sold separately. Do not operate GE 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.
- This device complies with Part 15 Class A of FCC Rules.
- Max. 4 pcs LED tubes can be operated in a luminaire with minimum socket spacing of 2.5 inches apart.
- Minimum distance between LED driver and LED tube is 0.75 inch (19mm).
- Minimum fixture volume for 4 lamps:
 - o 48 inches long x 12 inches wide x 4 inches deep
 - o 36 inches long x 12 inches wide x 4 inches deep
 - o 24 inches long x 12 inches wide x 4 inches deep

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.

GE LED Tube with remote LumenChoice™ Driver

The carton consists of:

- LED Tube
- LED Driver
- Installation Sheet
- Label (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 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 lampholder lead wires by employing applicable connectors.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

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 GE LED tubes. GE LED tubes need a DC voltage to work



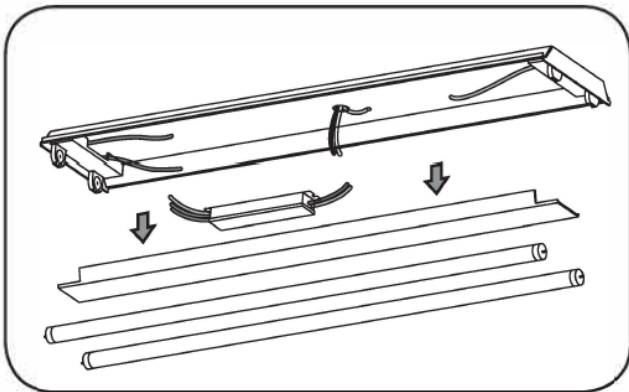
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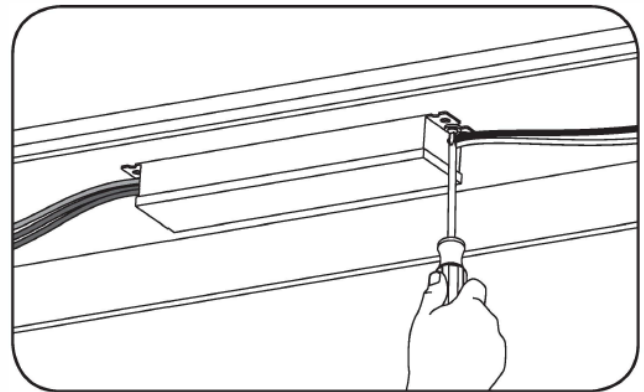


Components Installation

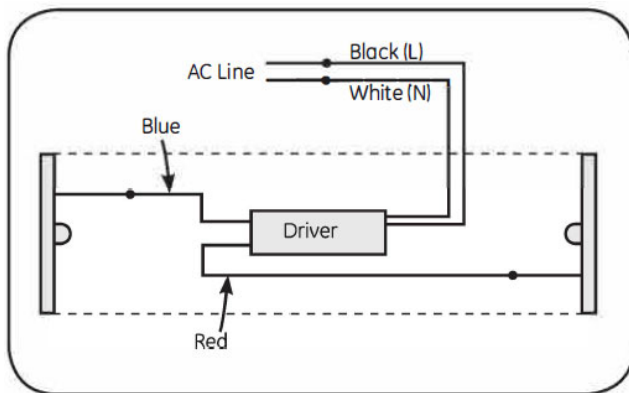
- 1 Ensure that the power to the unit is turned off. Use proper lockout and tagout procedures.



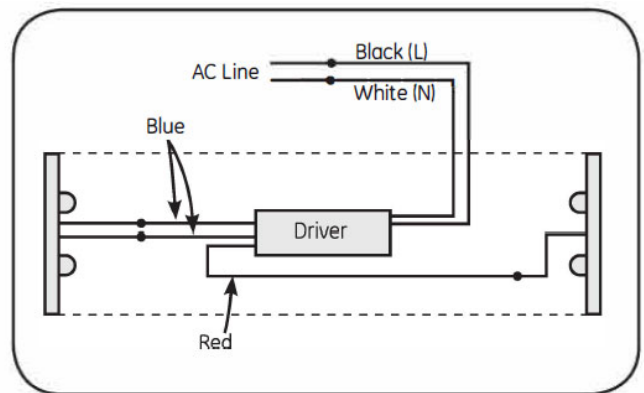
- 2 Remove existing lamps, fixture coverplate, and ballast. Leave wiring in place and make sure wire length is long enough to attach to the new LED driver. Verify that the AC supply line is provided with a ground wire connected to the luminaire.



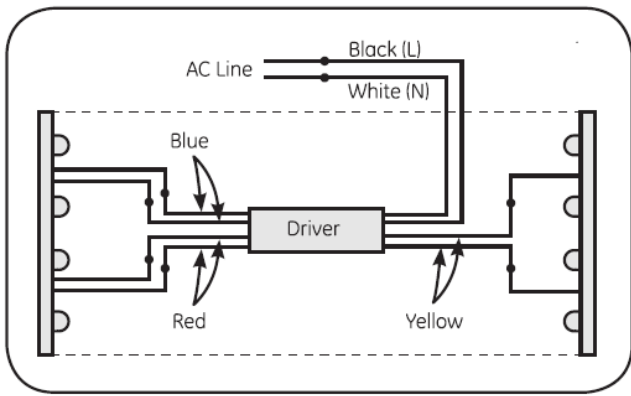
- 3 Secure GE driver to fixture by using existing ballast mounting holes and screws. Use self-tapping screws (not provided) to create new mounting holes if necessary.



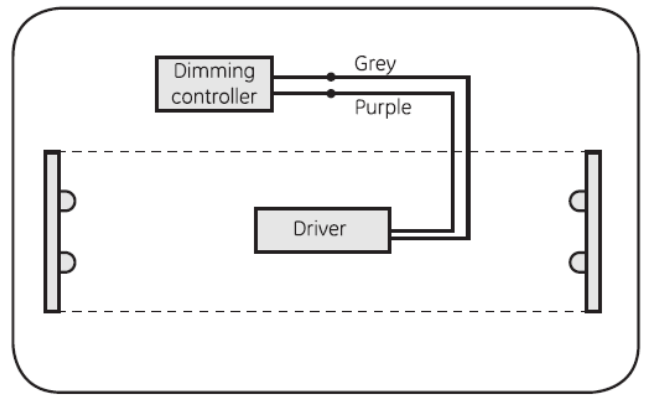
- 4A **One Tube Fixture:** Connect the black (L) and white (N) wires of driver to black and white wires of AC line, respectively. Connect the blue wire of the driver to the lampholder at one end. At the opposite end connect the red wire of the driver to the lampholder.



- 4B **Two Tube Fixture:** Connect the black (L) and white (N) wires of driver to black and white wires of AC line, respectively. Connect blue wires of the driver to lampholders at one end. At the opposite end connect the red wire of the driver to one lampholder.



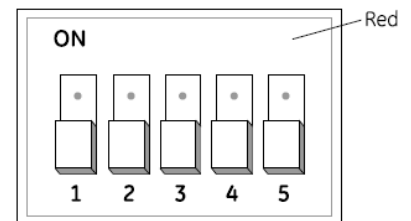
4C Four Tube Fixture: Connect the black (L) and white (N) wires of driver to black and white wires of AC line, respectively. Connect the blue wire of the driver to one set of lampholders at one end. At the same end connect the red wires to other set of lampholders. At the opposite end, connect yellow wires to lampholders.



5 Dimming option: Connect the grey and purple wires from the driver to the dimming controller.
NOTE: Other wires not shown for clarity.

6 Programming the GE LumenChoice™ Driver

Before installation, GE LumenChoice™ 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. SET SWITCH CODES EXACTLY AS SHOWN BELOW.



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

GE LED Lamps for use with Low Wattage Drivers

4FT	3FT	2FT
LEDT8/LC/G/4/8xx LEDT8LC/G4/8xxUS LEDT8/LC/G/4/9xx LEDT8/LC/4/8xx LEDT5LC/G4/8xxHE	LEDT8/LC/G/4/8xx LEDT8LC/G4/8xxUS LEDT8/LC/G/4/9xx LEDT8/LC/4/8xx LEDT5LC/G4/8xxHE	LEDT8/LC/G/2/8xx LEDT8/LC/2/8xx LEDT5/LC/G/2/8xx LEDT5LC/G2/8xxHE

* NOTE: Do NOT use this output with LEDT8/LC/G/2/8xx or LEDT8/LC/2/8xx.
xx used to indicate color temperature.

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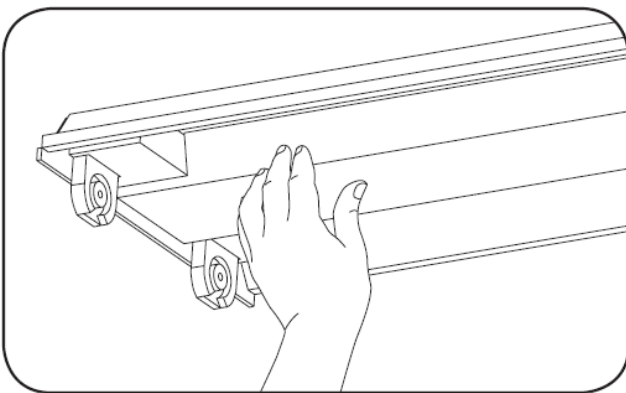


HIGH WATTAGE DRIVER DESCRIPTION	DRIVER PRODUCT CODE	SYSTEM WATTS PER LAMP	SWITCH CODE				
			1	2	3	4	5
LED/DR/D2L/HW	21383	25	OFF	OFF	OFF	OFF	OFF
		23	ON	OFF	OFF	OFF	OFF
		21	OFF	ON	OFF	OFF	OFF
		19.5	OFF	OFF	ON	OFF	OFF
		18	OFF	OFF	OFF	ON	OFF
LED/DR/D4L/HW	21392	21	OFF	OFF	OFF	NOTE: 3 SWITCHES ON LED/DR/D4L/HW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

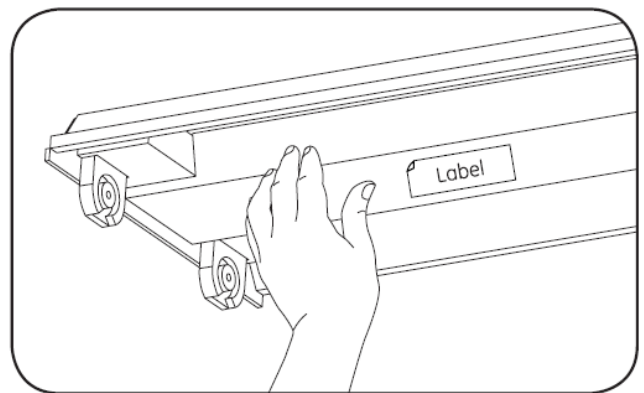
LED Lamps for use with High Wattage Drivers

4FT	3FT
LEDT8/LC/G/4/8xx LEDT8LC/G4/8xxUS LEDT8/LC/4/8xx LEDT5/LC/G/4/8xx LEDT5LC/G4/8xxHE	LEDT5/LC/G/3/8xx

xx used to indicate color temperature.



7 Compact wires and reattach fixture coverplate.



8 Affix the label to the fixture where it can easily be noted.



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