Refit Solutions
LED tubes with Lightech™ driver

BEFORE YOU BEGIN
Read these instructions completely and carefully.

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:
- LED tubes
- Drivers
- Instruction sheet
- Labels

Tools and Components Required
- Screwdriver (6-12mm)
- Wire cutters

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.
- LED tubes & Lightech LED drivers (products SKUs on last page of this installation guide) are sold separately. Do not operate LED tubes without the corresponding Lightech LED driver.
- This device is not intended for use with Emergency exits.
- Suitable for dry location.
- Suitable for “Type IC” or “Type non-IC” luminaires.
- Max. 4pcs LED tubes can be operated in a 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.

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 LED tubes. LED tubes need a DC voltage to work.
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. Replace lamp holders if necessary. 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 Lightech 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. Connect the black (L) and white (N) wires of driver to black and white wires of AC line, respectively. Connect each blue wire of the driver to each lampholder at one end. Then at the opposite end, connect the red wire of the driver to one lamp holder.

4B.

4C.

5. Compact wires and reattach fixture coverplate.
Insert the correct and marked end of the LED tube into the lamp holder of the fixture and rotate 90 degrees. Repeat for remaining tubes.

Insert lamp into lamp holder

Restore power and ensure lamps are operating correctly.

Maintenance/Lamp Replacement

Contact qualified electrician for the maintenance service. Order any replacement parts individually with the exact same model number. For any questions or concerns contact the manufacturer.

Product Information

<table>
<thead>
<tr>
<th>Bulb Shape</th>
<th>Base</th>
<th>Watts</th>
<th>PC</th>
<th>Description</th>
<th>Case Qty</th>
<th>MOL (in)</th>
<th>Initial Lumens</th>
<th>Color Temp (K)</th>
<th>CRI</th>
<th>Rated Life (L70)</th>
<th>UL</th>
<th>Location Rating</th>
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<tbody>
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<td>18</td>
<td>94381</td>
<td>LED21T8/4/835</td>
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<td>48</td>
<td>2,100</td>
<td>3500</td>
<td>80</td>
<td>50,000</td>
<td>Yes</td>
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<td>Yes</td>
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</tr>
</tbody>
</table>

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 B RFLD complies with the Canadian standard ICES-003. Ce DEFR de la classe (B) est conforme à la NMB-003 du Canada.

Note: This equipment has been tested and found to comply with the limits for a Class B 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.