



Installation Instruction

Emergency tube



4' T8 EMERGENCY READY RETROFIT TUBE - 5 CCT SELECTABLE

WARNING:

- NOTES: After unpacking check the product is in good condition. If there is any problem, contact customer support at www.Comm-LED.com
- For Indoor use only, not for use with dimmer.
- Switch OFF the power supply when installing or changing the tube.
- Not compatible with the traditional fluorescent ballast, Modify the circuit according to the wiring diagram.
- Do not exceed 120-277V operating voltage and frequency of 50/60Hz.
- Not for use with DC power.
- Suitable for operation in luminaires with ambient not exceeding: 0-45°C (32°F-113°F)
- When not in use store in cool, dry and clean environment.

WARNING -Risk of Fire or Electric Shock.

Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components. Install this kit only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved. LED retrofit kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician. To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-start ballasts. Instantstart ballasts can be identified by the words "Instant Start" or "I.S." marked on the ballast. This designation may be in the form of a statement pertaining to the ballast itself, or may be combined with the marking for the lamps with which the ballast is intended to be used, for example F40T12/IS. Only suitable for single-end powered lamps.

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.

Installers should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.

Input ratings may need to be determined based on any configuration(s) permitted by the installation instructions.

Regardless of the configuration(s) of the retrofit kit, the input ratings of the overall retrofit kit shall not exceed the marked input ratings of the host luminaire.

· Suitable for damp locations.

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.

Interference-Causing Equipment Standard ICES-005, Issue 4, details the methodology, the measurement and the limits of radiated and conducted radio frequency emissions generated by lighting equipment.

The retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction. Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supersede local or national regulations for electrical installations.

- For use with incandescent surface mounted or recessed non-IC or recessed IC luminaires.
- Suitable for open type luminaires.
- Suitable for closed type luminaires.
- Suitable for use with luminaires with maximum 4 lamps.
- Maximum mounting height: 14.4ft (4.3m)
- This equipment has not been investigated for use in a air-handling fixture. It is not suitable in a heated air outlet.

The units covered by this report were intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum 4 tubular lamps, the minimum lamp compartment dimensions are tabulated below.

Item Number - Description	Volts	Minimum Lamp Compartment Dimensions (Length x Width x Height)	Lamp Quantity	Lamp - to - Lamp Spacing
CLT97-12.5W(EM)2G-5CCT	120-277V	49 1/4 x 31 1/2 x 2 inches (1250 x 800 x 50 mm)	4	6 inches (150mm)

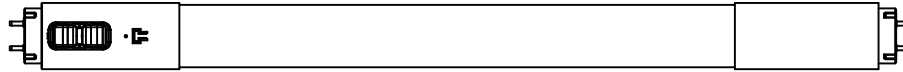
WIRING DIAGRAM



FUNCTION

Combine emergency function and general lighting function together:

- When power is on, the lamp can be used as regular lighting, and ON/OFF controlled by the wall switch.
- When power is suddenly off, the lamp emergency function will automatically activate, and provide 90-minutes of lighting
- Self-test monthly and yearly, if the emergency function is abnormal, the indicator Light will flash.
- Battery recharges automatically once AC power is on. Lamp is fully charged after 12 hours.
- **Battery transportation protection function:** Press the test button three times quickly, the battery will sleep, and standby 8000hrs before next installation.



 CCT Select Switch

 Charge Indicator

 Testing button

EMERGENCY TESTING GUIDE

1. Press the Test Button to cut the power to the AC driver and switch the system to emergency mode.
2. Release the Test Button to return to normal mode.

INSTALLATION

- STEP 1: Turn OFF power, and remove fluorescent tube(s) See Figure 1.
- STEP 2: Bypass the ballast. See Figure 2.
- STEP 3: Remove existing lamp holder. See Figure 3.
- STEP 4: Install emergency lamp holder. See Figure 4.
- STEP 5: Wire the lamp holder, refer to the Wiring Diagram and Figure 5.
- STEP 6: Insert the lamp, make sure the strips on the socket slide into the endcap slot correctly. See Figure 6.
- STEP 7: Rotate the lamp, select desired color temperature: 3500K, 4000K or 5000K. See Figure 7.
- STEP 8: Insert the screw into the lamp holder and tighten. See Figure 8.
- STEP 9: Turn ON power. See Figure 9.

