Installation & Specification Guide

LED RETROFIT LAMP

LIFEBULB™

IMPORTANT SAFETY INSTRUCTIONS

DANGER - RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.
The retrofit kit includes LED tube, installation instructions, and field-applied label.
The T8 LED tubes intended to retrofit maximum four lamps, type Non-IC or type IC recessed mounted fluorescent luminaries with diffuser that use straight tubular lamps. The products are suitable for use in damp locations.
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.
WARNING - Risk of fire or electric shock. The electrical rating of these products are 120~277Vac, the installer must determine whether they have 120~277Vac at the luminaire before installation.
WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
WARNING - Risk of fire or electric shock. Install this kit only in the luminaires that has the construction features and dimensions shown in the photographs and/or drawings.
WARNING - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
WARNING: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballasts. Instant-start 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. For more information, contact the LED luminaire retrofit kit manufacturer.
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.
DO NOT USE WITH DIMMERS.
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS

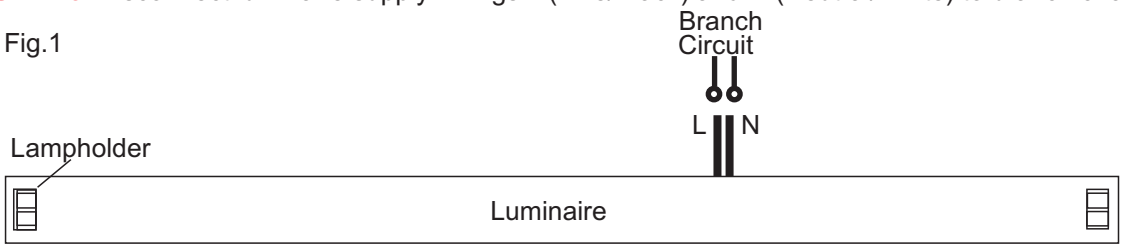
Retrofit fluorescent luminaire with electric ballast:

STEP 1: Disconnect power to the circuit.

STEP 2: Remove the existing fluorescent tube(s), diffuser (if applicable) and open the ballast cover.

STEP 3: Disconnect luminaire supply wirings L (Line/Black) and N (Neutral/White) to branch circuit as shown in Fig.1.

Fig.1



STEP 4: As shown in Fig.2. Cut the lampholder leads labelled “1, 2, 3, 4”, then connect one lead from each lampholder to branch circuit as follows, “Leads 1 and 4” are to be connected to L (Line/Black); “Leads 2 and 3” connected to N (Neutral/White) as shown in fig. 2A. Cut as far away from the lampholders to allow for longer lengths of wire at both lampholders. Note:Ballast must be remain in place.

Fig.2

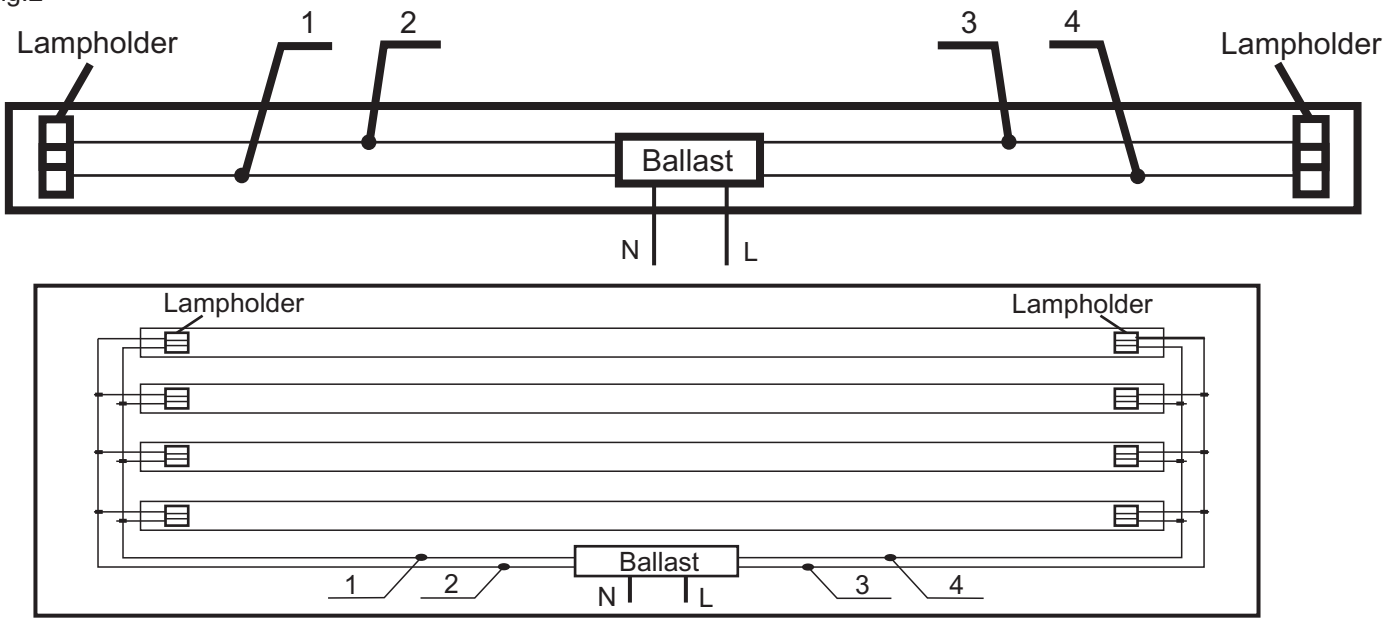
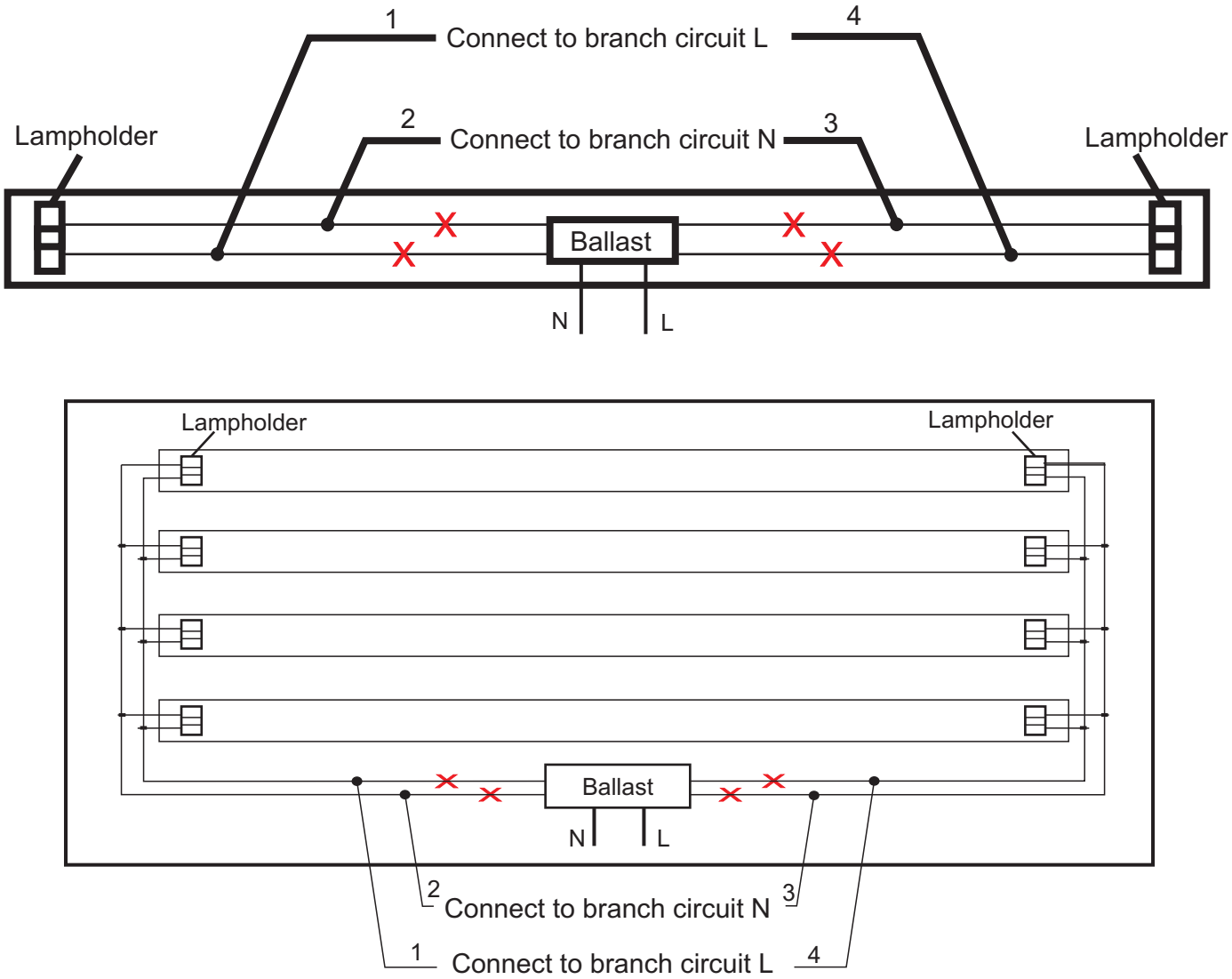
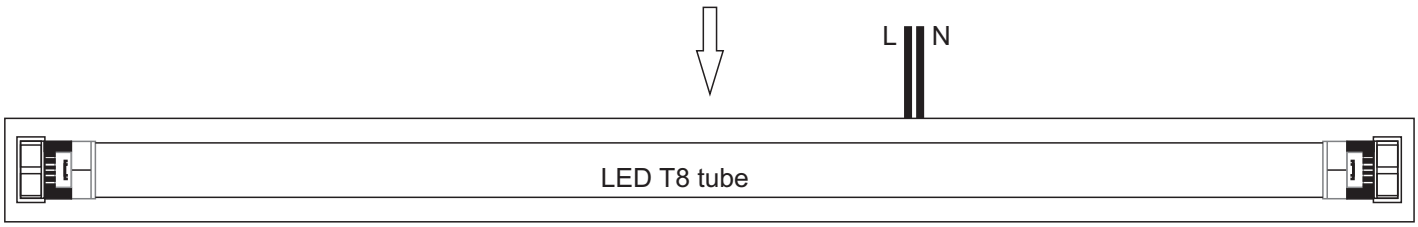


Fig.2A



STEP 5: Attach the field applied label to the luminaire in a visible location. Re-install the ballast cover and diffuser (if applicable) onto the Luminaire and install the T8 LED tube as shown in Fig. 4.



STEP 6: Turn on the AC power source. Verify proper operation.

Retrofit fluorescent luminaire with separate starter and magnetic ballast.

Repeat Steps 1 to 3.

STEP 4: As shown in Fig.3. Cut lampholder leads “1, 2, 3, 4”, then connect one lead from each lampholder to the branch circuit as follows, “ Leads 1 and 4” connected to L (Line/Black); “Leads 2 and 3” connected to N (Neutral/White) as shown in fig. 3A. Cut as far away from the lampholders to allow for longer lengths of wire at both lampholders. Note: Starer and ballast must remain in place.

Fig. 3

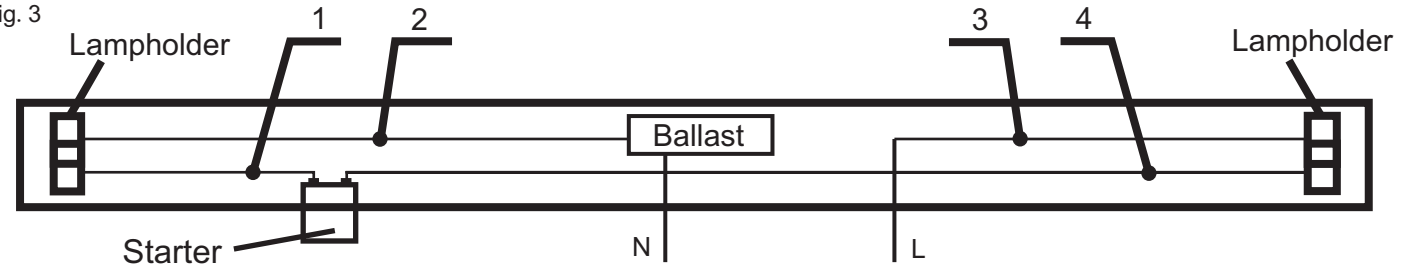
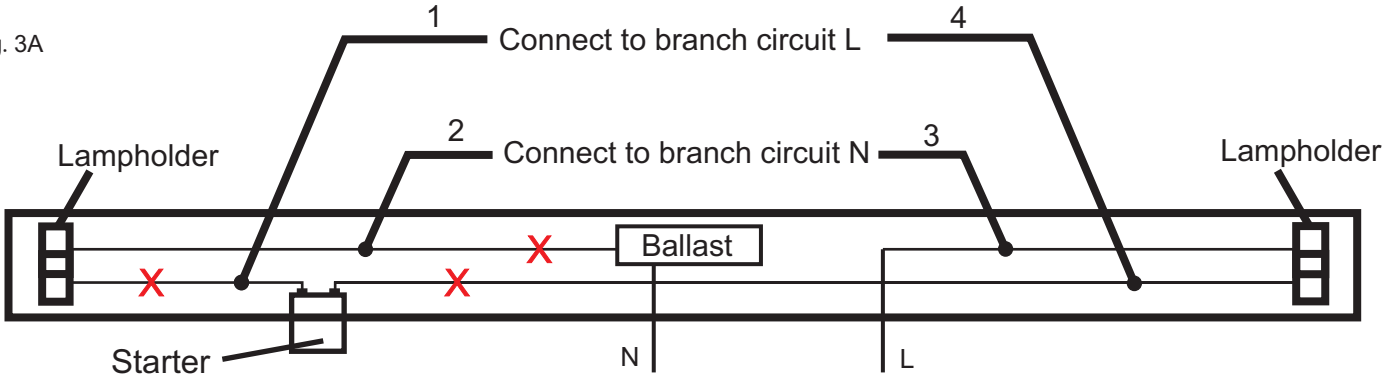
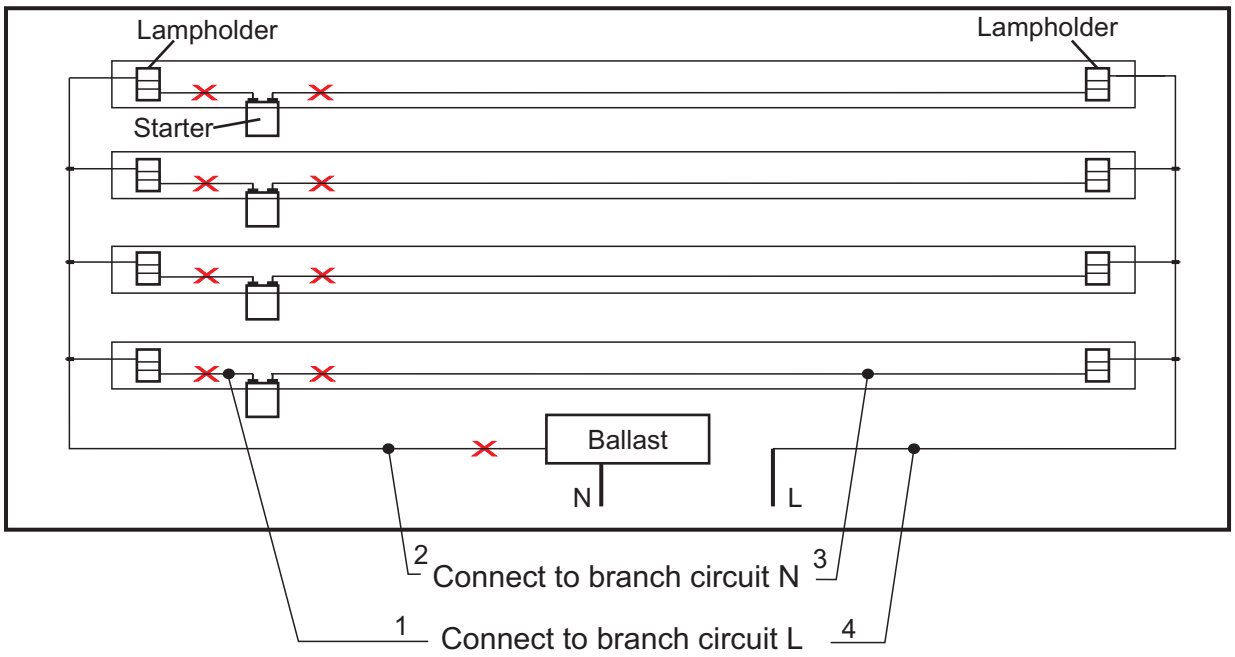


Fig. 3A





Repeat Steps 5 and 6.

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