

LED SUPER HYBRID T8/U6

INSTALL INSTRUCTIONS



PLEASE REVIEW THE INSTRUCTIONS AND WARNINGS BELOW PRIOR TO INSTALLATION.

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.

WARNINGS - 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 have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

WARNING - 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. 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.

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.

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.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING THE 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.

NOT FOR USE WITH DIMMERS.

SUITABLE FOR DAMP LOCATIONS.

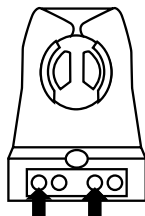
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXIT FIXTURES OR BATTERY BACKUPS.

! WARNING DISCONNECT POWER BEFORE INSTALLING OR SERVICING.

CAUTION: USE ONLY NON-SHUNTED LAMP HOLDERS FOR SINGLE ENDED WIRING INSTALLATIONS.

Do not perform Single-Ended wiring installation of product in a fixture with shunted lamp holders (found in all fixtures using instant start ballasts). If the existing lamp holders are shunted, and Single-Ended wiring is desired, remove and replace them with non-shunted lamp holders (or remove the external shunt if applicable). Make new connections directly to lamp holder terminals as shown in Fig. A below.

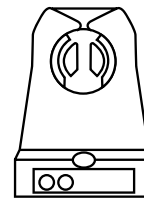
TYPICAL NON-SHUNTED LAMP HOLDER



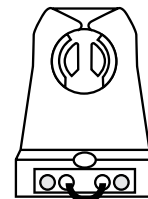
Connect wires directly to these terminals

Fig. A If it is non-shunted socket, it can work in both single end and double end.

TYPICAL SHUNTED LAMP HOLDERS



Internal Shunt

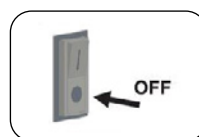


External Shunt

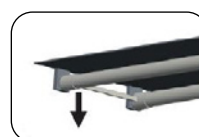
Fig. B If it is a shunted socket, it is double end only.

T8 DIRECT REPLACEMENT PLUG & GO INSTRUCTIONS (TYPE A):

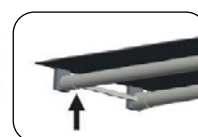
1. Switch off power to luminaire.
2. Remove diffuser (if provided).
3. Remove existing fluorescent lamp(s) from luminaire.
4. Install LED T8 U-Bend replacement lamp.
5. Attach the diffuser and turn on the power switch to the fixture.



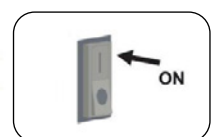
STEP 1



STEP 2



STEP 3



STEP 4

LED SUPER HYBRID T8/U6

INSTALL INSTRUCTIONS



T8 BYPASSING MAGNETIC/ ELECTRONIC BALLAST INSTRUCTIONS (TYPE B):

INSTALLATION INSTRUCTIONS:

1. Turn off power before installation.
2. Remove the existing ballast and existing starter (if present) from the fixture (for electric ballast Fig. 1 and for magnetic ballast Fig. 2).
3. Rewire the fixture to be Single Ended (Fig. 3)/Double Ended power (Fig. 4).
4. Install the LED U-Bend (Fig. 5).
5. Turn on the power and enjoy your LED U-Bend.

NOTE: After wiring modification is completed, attach the replacement cautionary label onto a visible place on the fixture that is still visible after installation of the LED U-Bend.
Remove any pre-existing labels and replace them with the labels provided with this product.

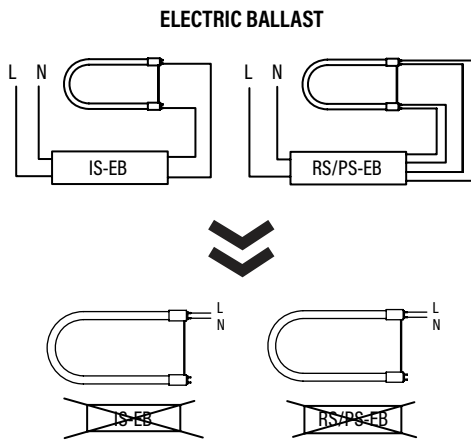


Fig. 1 The wiring can be single end or double end. The connection method refers to Step 3.

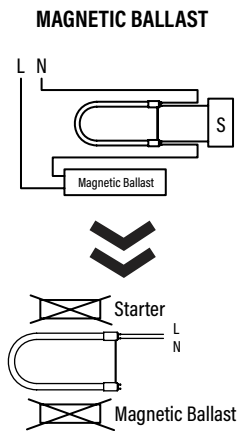


Fig. 2 The wiring can be Single Ended or Double Ended. The connection method refers to Fig. 3 or Fig. 4.

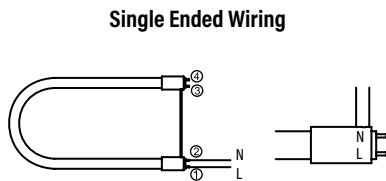


Fig. 3 One Single-Ended: Leads 1 connected to L; leads 2 connected to N Leads 1 and 2 at the end of the lamp holder with LN.

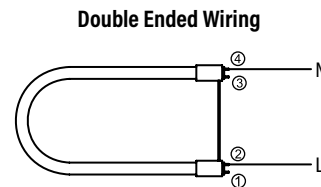


Fig. 4 Double-Ended: Leads 1 or 2 connected to L; leads 3 or 4 connected to N.

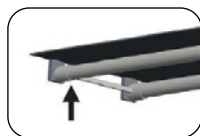


Fig. 5 LED U-Bend

⚠ WARNING!

USE LED LAMPS ONLY. THIS LUMINAIRE HAS BEEN MODIFIED TO USE LED LAMPS AND CAN NO LONGER OPERATE THE ORIGINALLY INTENDED LED U-BEND SAFELY. LED U-BEND COULD BREAK AND CAUSE PERSONAL INJURY IF USED IN THIS FIXTURE.