

# T8 LED SignTube Installation Instruction

Model: TLT8SU18D15C, TLT8SU24D18C, TLT8SU30D20C, TLT8SU36D20C, TLT8SU42D25C, TLT8SU48D28C, TLT8SU60D36C, TLT8SU64D40C, TLT8SU72D40C, TLT8SU84D48C, TLT8SU96D50C, TLT8SU108D55C, TLT8SU117D56C, TLT8SU120D56C.

## Features

- Input voltage 100 to 347 VAC.
- Only 50% energy consumption compared to fluorescent tubes
- Extra-long life of 50,000 hours
- Specially designed for sign industry, for both single sided and double sided sign lighting
- can be used in damp location
- Internal driver, no extra power supplier needed

## Application

- Advertising light box signs

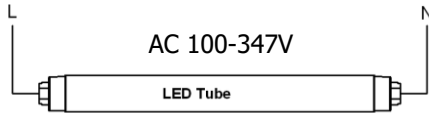


## Important Notice:

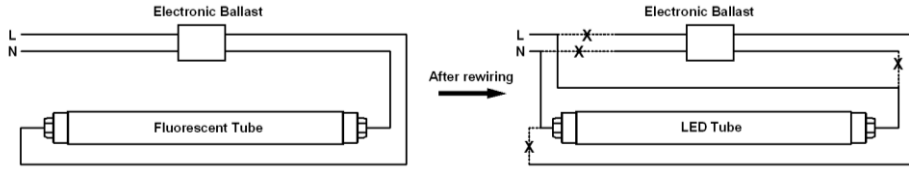
1. Disconnect all power before installation
2. Not for use with dimmer
3. Not for emergency lighting
4. Installer should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.
5. Installers should 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
6. **WARNING:** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects
7. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation
8. Only those open holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation
9. **WARNING:** To avoid potential fire or shock hazard, do not use this retrofit kit with existing shunted bi-pin lampholders in the host sign. Note: Shunted lampholders are found only in fluorescent signs 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 retrofit kit manufacturer
10. Two or more adjacent LED lamps shall not be mounted closer than 1 in. end to end or 4 in. side to side
11. This product must be installed by qualified personnel or skilled people familiar with general construction, electrical and sign installation techniques
12. The kit is to be installed only in Listed signs only
13. Some tools are required to do the LED installation, such as: screwdriver, test pencil, wire cutter, plier, spanner, insulating tape, etc.

**Luminaire Installation:**

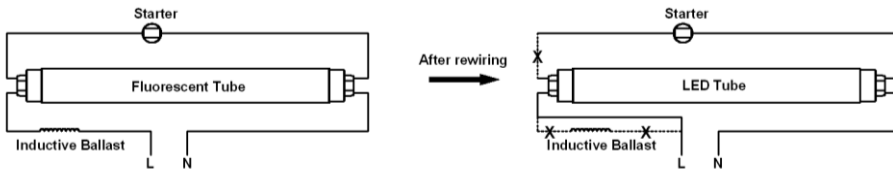
1. Installation for connecting to power supply directly:



2. Installation for Electronic ballast: **Remove electronic ballast**

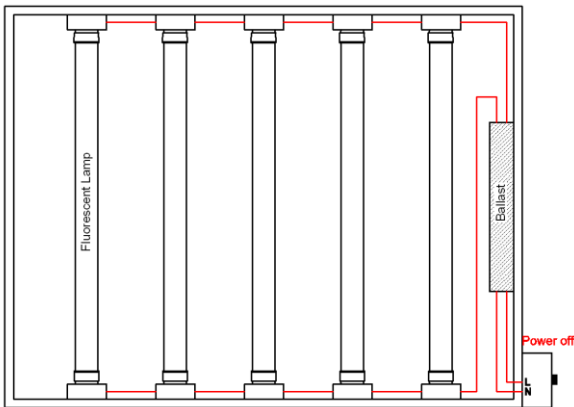


3. Installation for Inductive ballast: **Remove inductive ballast and starter**

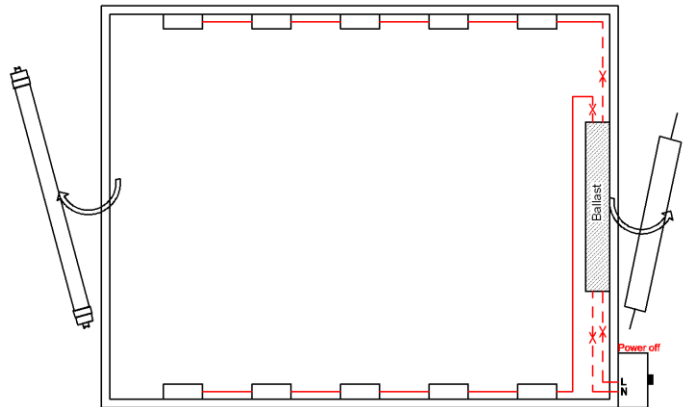


4. Installation for replacing fluorescent tube:

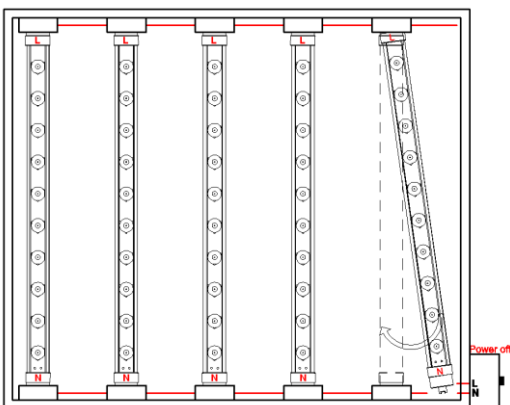
4.1. Disconnect power supplier, open up sign



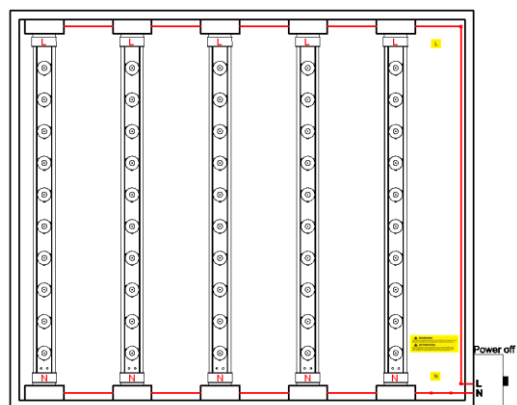
4.2. Remove fluorescent lamps and ballast from sign. Do not disconnect wire on lamp holders.



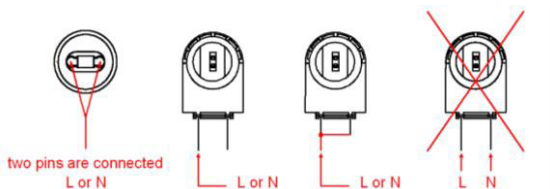
4.3. Insert LED tubes and rotate tubes to desired position for optimal illumination, ensure all tubes are oriented in a consistent manner, "LINE(L)" on one side, "NEUTRAL(N)" on the other side.



4.4. Connect "L" side wire directly to "LINE", and "N" side wire directly to "NEUTRAL", stick safety label on signs where easily visible.



**Attention:** To make it easy to install, we connect two pins, put "L" or "N" on each side. Do not put "L" and "N" on one side, that causes short-current.



Please find this safety label in packaging

**⚠ WARNING**  
THIS SIGN HAS BEEN MODIFIED TO OPERATE LED LAMPS. DO NOT INSTALL OR OPERATE FLUORESCENT LAMPS IN THIS SIGN.

**⚠ ATTENTION**  
CETTE ENSEIGNE A ÉTÉ MODIFIÉE POUR FONCTIONNER AVEC DES LAMPES DEL. NE TENTEZ PAS D'INSTALLER OU D'UTILISER DES LAMPES FLUORESCENTES DANS CETTE ENSEIGNE.

L  
N

AC 100-347V