

BULBRITE® LED

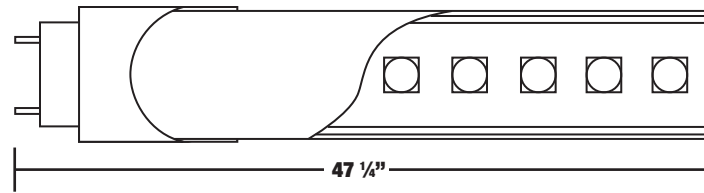
Setting the new norm for lighting.

LED 4' LINEAR T8

Replaces 32W Fluorescent Linear T8

Item #: 776005 & 776006

Ordering Code: LED20T8/30K & LED20T8/40K



These instructions are provided for your safety. It is important that the instructions are read carefully and completely before assembling. Please save these instructions, as you may need them at a later date.

WARNING: RISK OF ELECTRIC SHOCK. BE SURE THE ELECTRICITY TO THE FIXTURE YOU ARE WORKING ON IS SHUT OFF; EITHER THE FUSE IS REMOVED OR THE CIRCUIT BREAKER IS TURNED OFF. TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS. DO NOT ALTER ANY WIRING ENCLOSURE DURING INSTALLATION. THIS LED RETOFIT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND RELEVANT LOCAL CODE. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. PLEASE CONSULT A LICENSED ELECTRICIAN IF YOU HAVE ANY QUESTIONS. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT INSTALL THIS PRODUCT WHERE THERE IS A RISK OF RAIN OR MOISTURE EXPOSURE.

NOTE 3

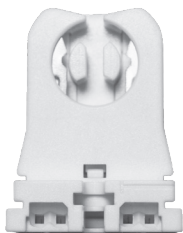


IMAGE A
Non-Shunted Socket

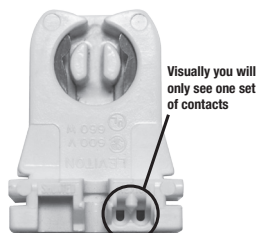
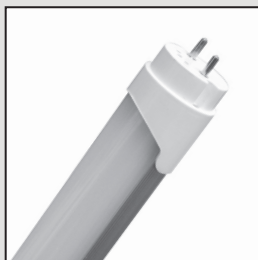


IMAGE B
Shunted Socket

*If a non-shunted socket has both contacts connected by a wire this will make the socket function as a shunted socket.

KIT INCLUDES:



**1 – LED 4' Linear T8
Retrofit**



**1 – Non-Shunted
Socket ("Tombstone")**

Before installation, confirm all parts are in good condition. If any parts are damaged, do not attempt to install. Contact an American Lighting Association (ALA) Certified Relationship Specialist at Bulbrite for help with installation or questions about your kit at 800-528-5555 or info@bulbrite.com.

LED 4' LINEAR T8 RETROFIT KIT FOR USE ONLY WITH FLUORESCENT LUMINAIRES.

BEFORE INSTALLATION PLEASE NOTE:

1. Read instructions carefully and completely before installation.
2. Bypassing the ballast is required when installing this product. Do not use in conjunction with any type of ballast or driver. These LED retrofits are intended for use with 100-277V AC, 60Hz input only.
3. Use only NON-SHUNTED (Image A) sockets at the line voltage end. Do not use with SHUNTED sockets (Image B). Shunted sockets (aka "tombstones") are found in Instant-Start ballasted fluorescent luminaires. Instant-Start ballasts can be identified by the words "Instant Start" or "I.S.". To confirm your luminaire type, contact the luminaire manufacturer or Bulbrite at (800) 528-5555. If a socket retrofit is required, ONE NON-SHUNTED socket has been included, for your convenience, with this lamp.
4. This item is rated at 100-277V. Installer must confirm 100-277V line voltage is available at the luminaire.
5. For luminaires with starters, the starters must be disconnected from the circuit. DO NOT REMOVE the starter(s) from the luminaire, as it will create an opening in the luminaire.
6. Wires should not be disconnected from lamp holder terminals to make new connections during installation. If new electrical connections are required, cut existing lamp holders leads away from the lamp holder and create the new connections by employing applicable connectors.
7. This lamp is non-dimmable. Not for use with dimmers.
8. Not intended for use with emergency fixtures or emergency exit lights.
9. "This luminaire has been modified and can no longer operate the originally intended lamp," shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including re-lamping.

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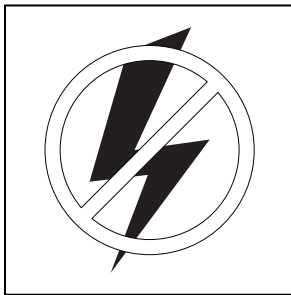
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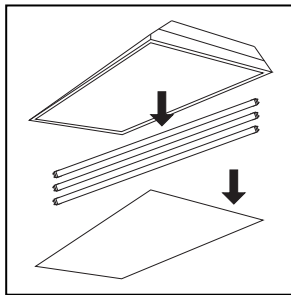
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LED 4' LINEAR T8 RETROFIT KIT FOR USE ONLY WITH FLUORESCENT LUMINAIRES.

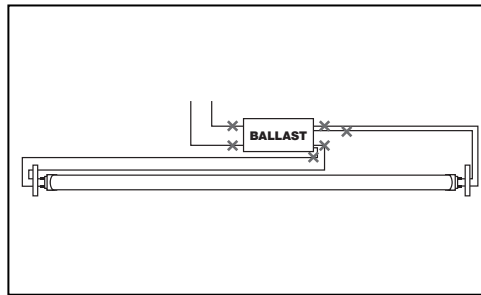
INSTALLATION INSTRUCTIONS:



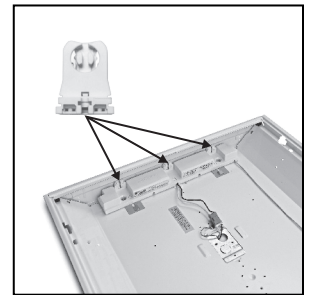
1. Power off all electricity to the luminaire.



2. Remove lens, cover and fluorescent tubes from the luminaire. Identify which end will be the "live end."



3. Cut all wires that connect the ballast. Properly discard of the ballast or cap off the wires. Cut wires connect to lamp holders. Ensure ground wire is firmly connected to ground screw.



4. If required, replace lamp holders at the live end with non-shunted lamp holders.

IMAGE C

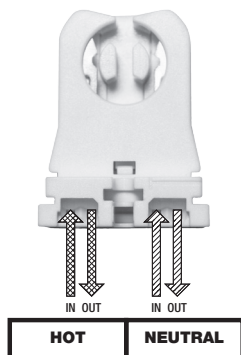
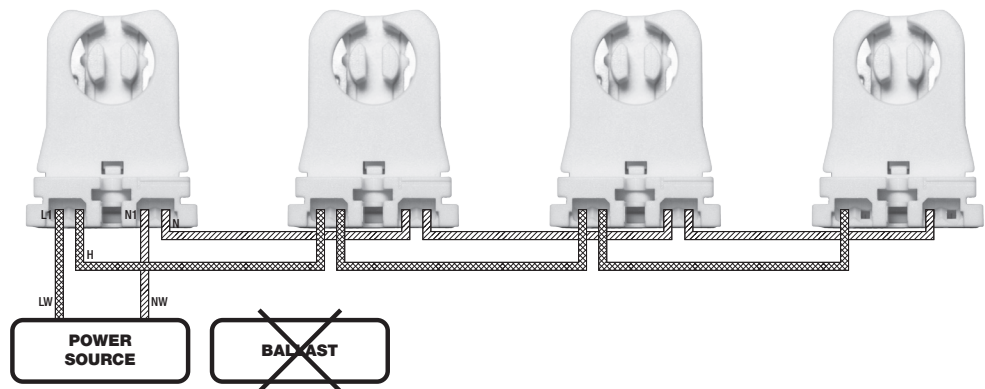


IMAGE D

Primary Source Lamp Holder



5. WIRING CONNECTIONS FOR MULTIPLE TUBES: (A maximum of 4 LED linear T8s may be connected. Only wire to one end, the end with BULBRITE logo etching.)

- Connect live wire (**LW**) from power source into the non-shunted lamp holder (L1). Refer to IMAGE D.
- Connect neutral wire (**NW**) from power source into the non-shunted lamp holder (N1). Refer to IMAGE D.
- Connect a separate hot wire (**H**) from primary source lamp holder "HOT OUT" and connect that wire into "HOT IN" on the adjacent tube. Refer to IMAGE C & D.
- Connect a separate neutral wire (**N**) from primary source lamp holder "NEUTRAL OUT" and connect that wire into "NEUTRAL IN" on the adjacent tube. Refer to IMAGE C & D.
- Repeat steps (c) and (d) for additional lamps.

6. WIRING CONNECTIONS FOR SINGLE TUBE: (Only wire to one end, the end with BULBRITE logo etching.)

- Connect live wire (**LW**) from power source into the non-shunted lamp holder (L1). Refer to IMAGE D.
- Connect neutral wire (**NW**) from power source into the non-shunted lamp holder (N1). Refer to IMAGE D.

7. Install lamp(s) with the BULBRITE logo etching end (live end) into the wired lamp holder end.

8. Installer must mark the luminaire where readily visibly by the user during normal maintenance including re-lamping with "This luminaire has been modified and can no longer operate the originally intended lamp."

9. Turn on power source and installation is now complete.

