



INSTALLATION INSTRUCTIONS

FOR TOPAZ BRAND LED T8 FLUORESCENT RETROFIT LAMPS

WITH TOPAZ PART#:

L2T8B/835/10C/SE-75	L2T8B/840/10C/SE-75	L2T8B/850/10C/SE-75	L2T8B/860/10C/SE-75
L3T8/35C/15/U/G4-75	L3T8/40C/15/U/G4-75	L3T8/50C/15/U/G4-75	L3T8/60C/15/U/G4-75
L4T8B/835/18C/SE-75	L4T8B/840/18C/SE-75	L4T8B/850/18C/SE-75	L4T8B/860/18C/SE-75

These products are to be installed in dry locations only by a qualified electrician according to the National Electrical Code and all applicable local codes and regulations.

Do not install in dimming circuits or emergency fixtures.

Do not open this lamp. No user serviceable parts inside.

These retrofit lamps are only powered from the one end marked **"Connect this end to live (powered) socket"**

You may need a few feet of 600V 18 Gauge Solid TFF, TFN or AWM wire for this installation. Only this type of solid wire will work with the push-in wire traps in the lamp holders.

These retrofit conversion lamps will not work with shunted sockets, typically used in "INSTANT START" ballast.

Determine if the fixture has shunted or non-shunted lamp holders

See images below illustrating the difference between shunted and non-shunted sockets.

If the fixture uses a shunted lamp holder, replace it with the non-shunted lamp holder furnished with the lamp.

However, not all shunted sockets have one set of push-in wire traps blanked off, and they may look like the non-shunted socket shown below in the image on the right. If not sure, check for continuity between the two sets of holes. If there is continuity, the socket is shunted and needs to be replaced by the included non-shunted socket.

There are many different non-shunted sockets. Some are tall, some are short. Some slide in and some snap in.

Others are screw-down surface mount sockets. It depends on the age and type of fixture.

While the included non-shunted lamp holder will fit most fixtures, it may not fit yours. If it doesn't consult your local electrical distributor.



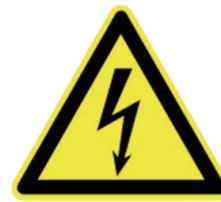
TURN OFF POWER TO THE FIXTURE AT THE CURCUIT BREAKER OF FUSE PRIOR TO INSTALLATION.

1. Disconnect the black and white ballst INPUT leads from the 100-277V AC supply wires. Disconnect the ballast from all lamp socket by cutting the wires. If a starter is present and protruding from the fixture, cut the wires to the starter base, but leave the starter in place, so as not to create a potentially unsafe opening in the fixture.
2. Remove the ballast.
3. Cut two lengths of 600V 18 Gauge Solid TFF, TFN or AWM wire long enough to reach from the lamp holder to 100-277V AC supply wires.
4. Strip 3/8" of insulation from both ends of both leads.
5. Insert one stripped end of each solid wire into each side of the lamp holder.
6. Connect these two wires to the 100-277V AC supply wires using UL listed twist-on wire connectors (wire nuts).
7. All remaining severed wires that are no longer used need to be removed completely or organized and capped off using UL listed wire nuts, so they dont interfere with the reassembly of the fixture.
8. Insert the end of the retrofit lamp tht is marked **"Connect this end of live (powered) socket"** into the non-shunted lamp holder connected to the supply wire.
9. Check the new connections for structural integrity. This means the wires should not come apart when pulled casually.
10. Affix included adhesive **CAUTION** label to the fixture when it will be seen when this retrofit lamp is removed for replacement. This label warns to not replace this retrofit lamp with a standard fluoresecent lamp or any different type of retrofit lamp other than the TOPAZ lamps listed under the title of this document.
11. Restore power at the circuit breaker of fuse.
12. Turn on fixture and admire the latest in linear lighting technology.

IMPORTANT SAFETY INSTRUCTIONS



WARNING
RISK OF FIRE
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK.

DO NOT REMOVE THE RETROFIT LED TUBE LAMP ENCLOSURE (COVER AND CAPS).

NO USER-SERVICEABLE PARTS INSUDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

DANGER-RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION

TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE LUMINAIRE. FOR USE ONLY WITH FLUORESCETN LUMINAIRES IDENTIFIED IN MANUFACTURER'S INSTRUCTIONS.

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 - THE RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF FLUORESCENT LIGHTING LUMINAIRES ELECTRIC SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

WARNING - TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

WARNING - THE ELECTRICAL RATING OF THIS PRODUCT IS 100-277VAC, THE INSTALLER MUST DETERMINE WHETHER THEY HAVE 100-277V AC AT THE LUMINAIRE BEFORE INSTALLATION.

WARNING - INSTALL THESE KITS ONLY IN STANDARD 2 OR 4 FEET FLUORESCENT FIXTURES.

Any electrical work with the fixtures should be undertaken by a licensed electrician. Do not modify the fixture unless you are qualified and certified to do so.

Do not connect the power in its package box, unless that product is for display.

Do not connect high voltage power before installation, be sure ground lead is well connected.

Do not make or alter any open holes in an enclosure of wiring or electrical components during light installation.

Use in dry locations only, do not use where directly exposed to water, do not use high-pressure water to wash the product.

Corrosive chemicals, caustic cleaning agents and abrasive pads and media may damage tube light's cover.

This luminaire can be used in standard 2' and 4' T8 lamp fixture, allowing for its minimun fixture dimension requiremetns.

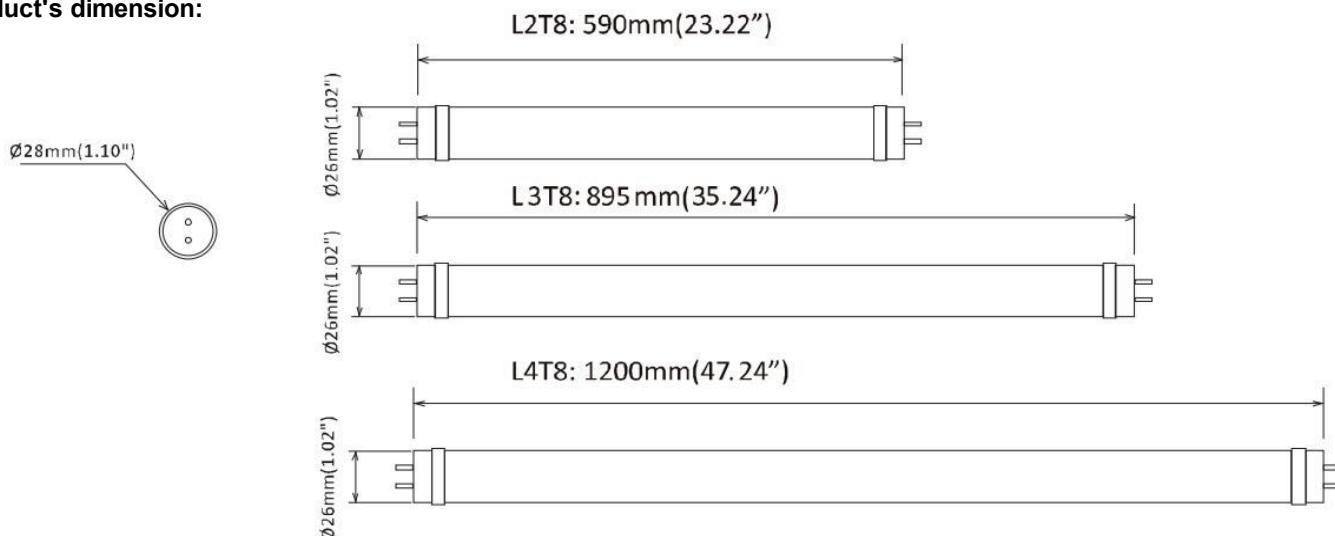
Suitable for use in totally enclosed luminaires.

Once this retrofit lamp has been installed the luminaire can no longer operate the original equipment lamp.

After the lifetime of a luminaire, please consider environment, and dispose of it properly. Or you could as authorized dealer or distributor for advice.

Please contact your authorized dealer, distributor, or rethink environmental if you have any questions not addressed in these instructions.

Product's dimension:



The Standard Retrofit Kit consists of:

- LED tube lamp 1 pc
- Installation and safety instruction 1 pc
- Peel-off CAUTION label 1 pc

L4T8/XX/22/U/KIT/50 consists of:

- LED tube lamp 2 pcs
- Installation and safety instruction 2 pcs
- Peel-off CAUTION label 2 pcs