

BRIGHT33® T8 HYBRID LED TUBE



LED

B33T814W40FR / B33T814W50FR / B33T820W40FR / B33T820W50FR

INSTALLATION INSTRUCTIONS

Please read carefully before installation.

Save these instructions, as you may need them at a later date.

⚠ WARNINGS:

IMPORTANT: Please take time to review the installation guide. There are many cautions and warnings to be aware of when converting and retrofitting an existing fixture.

The safeguards and instructions appearing on this page are not meant to cover all possible conditions and situations that may occur. It may be understood that common sense, cautions and care are factors which cannot be built into any product. The person(s) installing, operating and responsible for the light fixture, must execute these factors.

GENERAL: Failure to install and wire fixture in accordance with the National Electrical Codes (N.E.C.), all applicable Federal, State and Local electrical codes, as well as specific UL safety standards for the intended working environment (location/application), may cause serious personal injury, death and/or property damage. This product must be installed by a person familiar with the construction and operation of the product and the hazards involved.

USE WITH NON-SHUNTED BI-PIN LAMP HOLDERS (also known as Tomb-Stone Socket): *Shunted Lamp holders are internally connected and sometimes externally connected. This T8 Lamp is suitable only with non-shunted lamp holders.*

NOT DIMMING COMPATIBLE: *This product is NOT compatible with dimmers. Lamp performance could be compromised by wiring lamp with dimmer. DO NOT USE WITH DIMMER(S)!*

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits provide reasonable protection against harmful interference in a residential installation. However if this product is not installed and used in accordance with the instructions, it may cause harmful interference to radio communications.

- Turn power off before installation, inspection, or removal. Use all necessary precautions while performing this procedure.
- Properly ground electrical enclosure. IT IS IMPERATIVE THAT THE OUTLET BOX BE PROPERLY GROUNDED.
- Consult a qualified electrician to ensure correct branch circuit conductor. Min 90°C supply conductors.
- For 120V 60Hz use only.
- RISK OF FIRE OR ELECTRIC SHOCK. LED retrofit installation requires knowledge of luminaire's electrical system. If not qualified, do not attempt to install. Contact a qualified electrician.
- To use T8 hybrid tube in bypass mode, it requires the removal of the existing ballast. The fixture lamp holders have to be connected directly to line voltage (120V). This lamp will work with an electronic ballast.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. 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 the lamp holder lead wires by employing applicable connectors.
- This retrofit assembly is acceptable as a component of LED luminaire where the suitability is determined by CSA or Canadian authorities having jurisdiction.
- This lamp is suitable for dry locations only.
- To avoid potential FIRE or SHOCK HAZARD, do not use this retrofit kit in any luminaire employing SHUNTED bi-pin lamp holders.

NOTE: Shunted lamp holders are found only in fluorescent luminaires with Instant-Start ballast. Instant-Start ballast 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 F40T 12/15). For more information contact the LED luminaire retrofit kit manufacturer.

TROUBLE SHOOTING:

- Check that line voltage at lamp is correct.
- Ensure that there is voltage at lamp fixture wires. If there is no voltage, then check all connections.
- Check that lamp is grounded properly.

If lamp does not light/start:

- Check switch to ensure that there are no defects.
- Check fuse/circuit breaker for trips, then check wiring connections.

CLEANING & MAINTENANCE:

CAUTION: Ensure lamp temperature is cool enough to touch. DO NOT clean or perform maintenance while lamp is energized.

- Clean lamp housing with non-abrasive cleaning solution.

5-YEAR LIMITED WARRANTY:

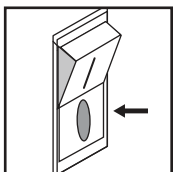
LIMITED WARRANTY: Bright33® Light Tubes are warranted to be free and clear of defects in materials and workmanship for a period of five years from the date of purchase based on three hours of average usage per day for seven days a week. This warranty covers defects in manufacturing discovered while using the product as recommended by the manufacturer and does not apply to failures caused by acts of God or as a result of any abuse, misuse, abnormal use, or use in violation of any applicable standard, code, or instructions for use in installations.

If a Light Tube fails due to a defect covered by this warranty, Stream33® Products LLC will replace the product. To make a warranty claim, retain the failed products and send with proof of purchase, register receipt, your name and address to the following address within thirty (30) days of the failure.

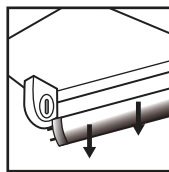
Stream33® Products LLC | 350 Courtney Road | Sebring, Ohio 44672 USA

FOR USE IN PLUG & PLAY MODE:

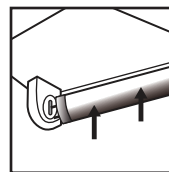
1 Turn OFF power.



2 Remove fluorescent tube.

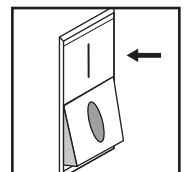


3 Install T8 hybrid LED tube.



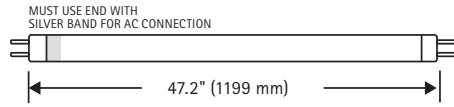
PLUG & PLAY MODE CAN BE
INSTALLED USING EITHER SIDE
OR

4 Turn ON power.



INSTALLATION INSTRUCTIONS FOR BYPASS MODE:

WARNING: RISK OF FIRE OR ELECTRIC SHOCK. Install this kit only in the luminaires that have the construction features and dimensions shown below:



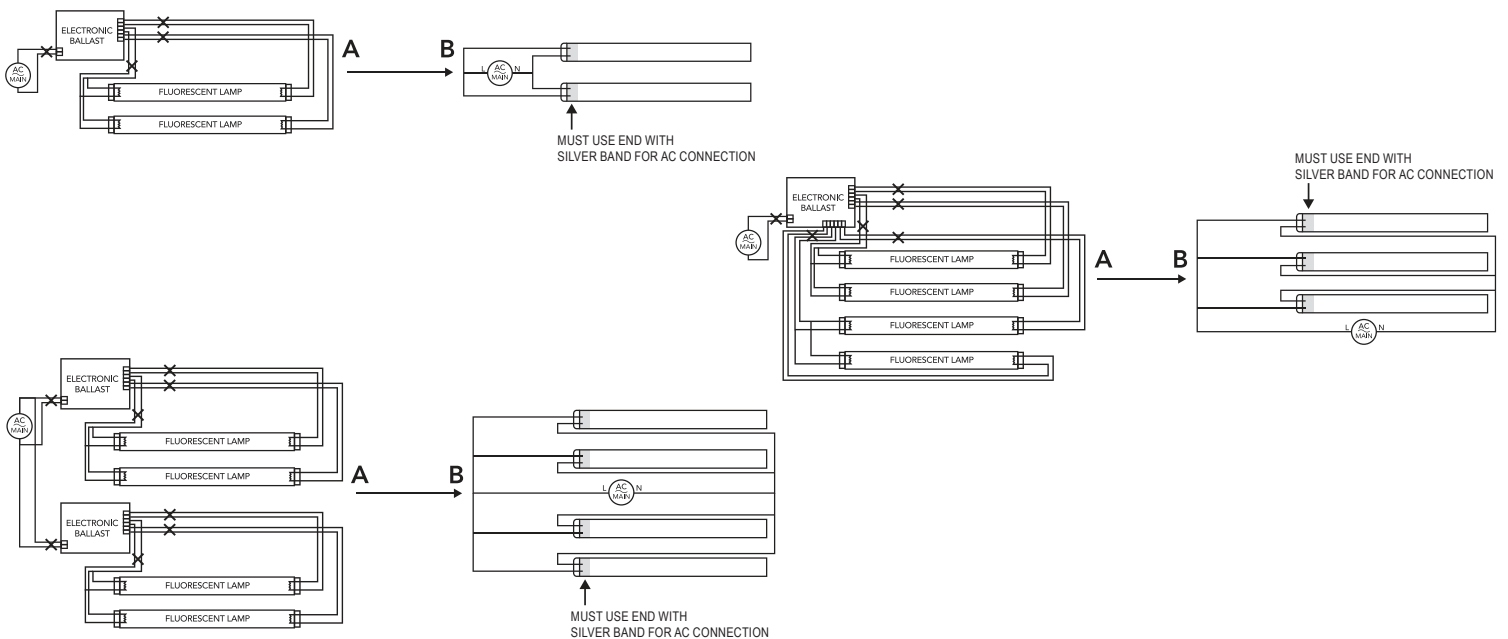
Pin Base G13, 120V input, 60Hz
Can be operated in luminaires with/without diffuser.
Max. 6pcs LED tube luminaire size (cm):
120L x 50W x 8H or 50L x 50W x 8H

- 1 TURN OFF POWER FROM THE MAIN CIRCUIT BEFORE CONVERTING UNIT.
- 2 Remove existing fixture diffuser (if applicable) and remove fluorescent lamp.
- 3 Open wire way compartment cover.
- 4 Cut off all wires which connect to the ballast. (Diagrams A below) Ballast is not needed with this LED lamp. Cut/remove wires from lamp-holders on the side of the fixture. The ends of the wires not used in the installation should be capped or wrapped with electrical tape and not left exposed.
- 5 Connect one wire from the lamp holder to branch circuit L (live wire), and the other from the same lamp-holder to branch circuit N (neutral wire). (Diagrams B below)
WARNING: Risk of electric shock, make sure that the lamp-holders used are a non-shunted type.
- 6 Close up wiring compartment.
- 7 Install T8 Tube.
- 8 Switch power on.

ONE LAMP CONNECTION:



MULTI-LAMP CONNECTION:



Toll Free: 1-800-316-2532

www.bright33.com

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