



An energy-efficient and versatile alternative to T8 fluorescent lamps, thanks to its unique design, the LED T8 Tube 3CCT Changeable will work with both ballast and non-ballast installations. For use in general lighting applications in areas that implement climate control and have standard heights for the ceiling, providing a natural lighting effect, including storage areas, mechanic garages, and fabrication floors, as well as instant energy savings.

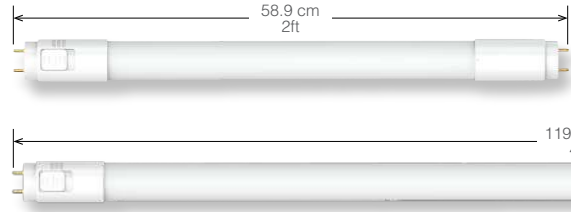
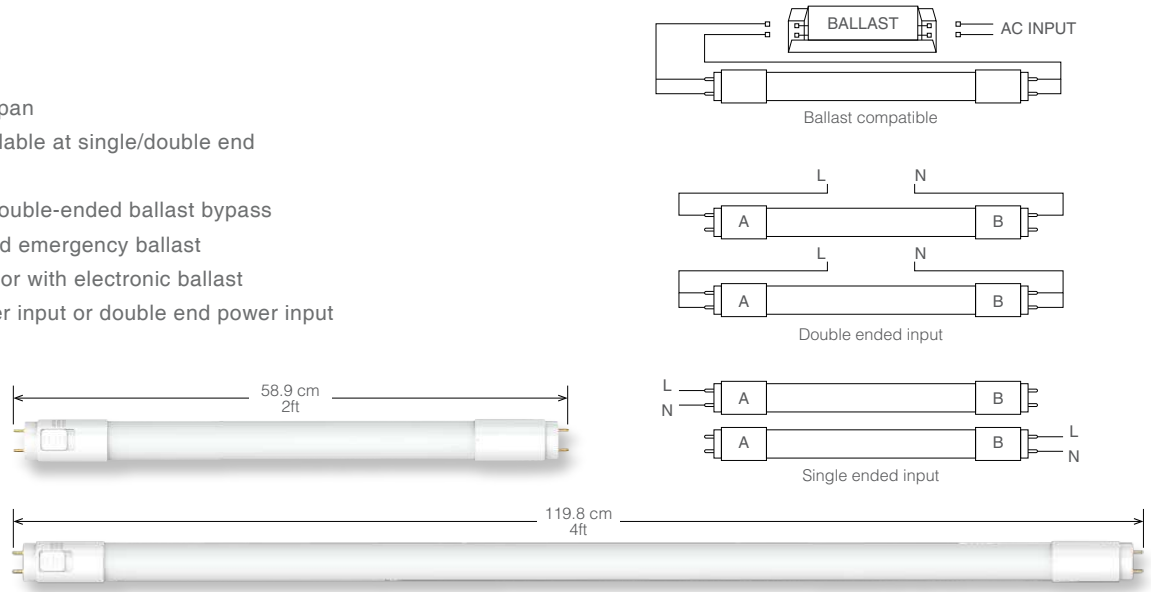
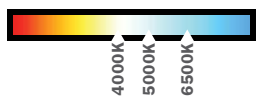
LED T8 Tube 5CCT Changeable

Features and benefits

- Zolu Lighting quality and reliability
- Type A+B
- Shatterproof design - 50,000hrs lifespan
- Work with AC120-277V directly, available at single/double end
- Work with electronic ballast
- Ballast compatible, single-ended & double-ended ballast bypass
- Compatible with dimmable ballast and emergency ballast
- No need to consider AC power input or with electronic ballast
- No need to consider single end power input or double end power input

Applications

- Offices, warehouses
- Storage and loading areas, etc



Technical specifications

Product code	Power	Light output	Size	Dimensions
ZL8WT802CCT	8W	960lm	2ft	589x25.4mm
ZL18WT804CCT	18W	2200lm	4ft	1198x25.4mm

Main voltage	AC120-277V 50/60Hz
Power factor	>0.9
Efficiency	122lm/W
THD	<20
CRI	Ra ≥ 83
Housing	Glass with PET coating
Beam spread	320°
Beam angle	200°
CCT	3000K/3500K/4000K/5000K/6500K changeable
Certificates	ETL / FCC / NSF
Warranty	5 Year



Warranty based on 12 hours daily use

LED T8 Tube 5CCT Changeable

WARNING

1. Use a qualified electrician for installation of this lighting fixture.
2. Before installing the fixture disconnect power by shutting off the circuit breaker or by removing the fuse at the fuse box.
3. All electrical connections must be in accordance with local and National Electrical Code.
4. Switch ON only after complete installation and examination of the circuit.



Note: This product complies with Part 18 of the FCC rules but may cause interference to radios, televisions, wireless telephones and remote controls. If interference occurs, move the product away from these devices or plug it into a different outlet. Do not install this product near maritime safety communications equipment or other critical navigation or communication equipment operating between 0.45-30MHz.

Note: This equipment 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 are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES 005.

The units covered by this report were intended to retrofit surface mount with diffuser for these models, Type IC or non IC recessed mount listed fluorescent luminaires that use maximum four tubular lamps, the minimum lamp compartment dimensions are tabulated below:

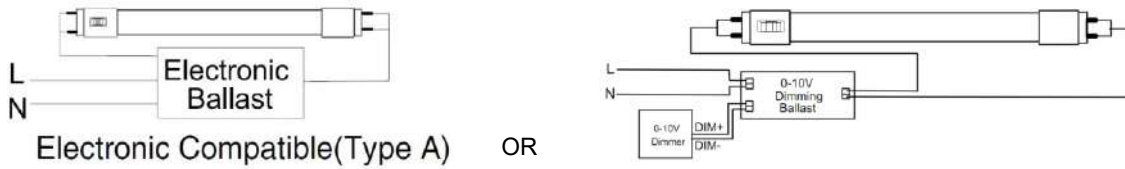
Model	Minimum lamp compartment dimensions LxWxH (mm)	Lamp quantity
ZL18WT804CCT	1218x573x65	4
ZL8WT802CCT	623x563x67	4

TYPE A Application (PLUG & PLAY, Ballast compatible)

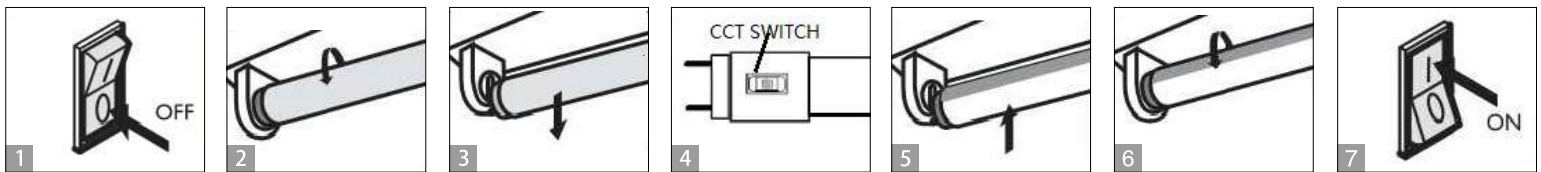
To avoid personal injury and/or possible product damage, the following cautions must be followed:

- Read all safety information and instructions before installation.
- RISK OF ELECTRIC SHOCK. Disconnect power at fuse or circuit breaker before installing or servicing.
- Suitable for damp locations. Not for use where directly exposed to water.
- Caution: Do not use with dimmers.
- This device is not intended for use with emergency exits.
- CAUTION RISK OF FIRE. USE ONLY IN PLACE OF FLUORESCENT LAMPS SPECIFIED ON PRODUCT LABEL.
- CAUTION RISK OF FIRE IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.
- CAUTION RISK OF FIRE. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.
- CAUTION RISK OF FIRE OR ELECTRIC SHOCK. When working with electronics ballast please check the compatible list first. If you do not find your ballast on the list, then please bypass the fixture as a Type B installation or contact us for support. Do not install the LED tube with the ballast which not on the ballast compatible list.
- To prevent damage to lamp, lamp must not be energized when color (CCT) selector switch is changed.

TYPE A - Wiring diagram:



Type A - Installation instructions



1. Switch-off power to the luminaire
2. Remove diffuser (if provide).
3. Remove the existing fluorescent lamps from luminaire.
4. Select the color temperature through the CCT switch on the LED lamp base.
 - Using the color (CCT) selector switch on the base, select the desired color temperature (3000K, 3500K, 4000K, 5000K, 6500K).
 - To prevent damage to lamp, lamp must not be energized when color (CCT) selector switch is changed.
5. Install the LED tube lamp.
6. Install diffuser (if removed in step 2)
7. Switch on power to the luminaire.
 - Before installation, please check specifications for the most current ballast compatibility list, if no match, please insert led tubes according to below type B installation instructions.
 - Snap fixture onto mounting plate and ensure no wires are pinched. Make sure unit is fully attached. Restore power, press test button. Battery powered LED will come on, AC light will turn off.

TYPE B Application (DIRECT WIRE, Ballast-Free)

To avoid personal injury and/or possible product damage, the following cautions must be followed:

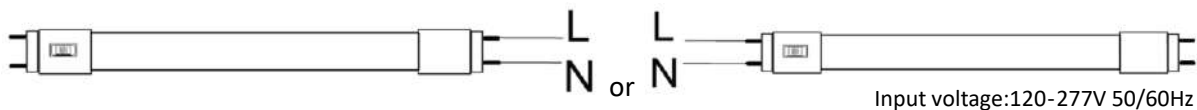
- Read all safety information and instructions before installation.
- RISK OF ELECTRIC SHOCK . Disconnect power at fuse or circuit breaker before installing or servicing.
- To prevent damage to lamp, lamp must not be energized when color (CCT) selector switch is changed.
- Suitable for damp locations Not for use where directly exposed to water.
- Caution: Do not use with dimmers.
- This device is not intended for use with emergency exits.
- To prevent early lamp failure, lamp should only be installed in operating environments ranging between: 20°C and + 45 °C 4°F and +113 °
- 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.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- WARNING 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 socket terminals to make new connections at lamp socket terminals. Instead, installer should cut existing lamp socket leads away from the lamp socket and make new electrical connections to lamp socket lead wires by employing connectors suitable for the application.

- THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING 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.
- 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.
- The tube is installed as Type B, the luminaire, once modified as retrofit fixture, will no longer operate fluorescent lamps.
- For a linear tubular LED lamp conversion, there shall be text or a diagram showing how the supply connections were made to the lamp holders so the correct connections will be made to the lamp when the lamp is installed or replaced.

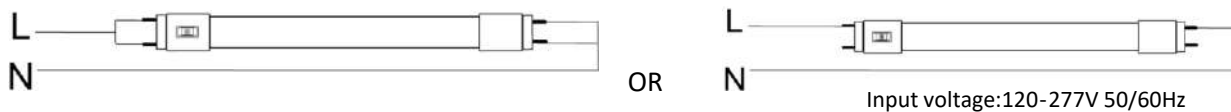
TYPE B - Wiring diagram:

Case 1: Direct AC wiring diagram without dimming

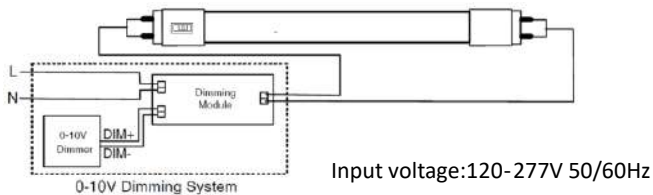
1. Single-ended power input



2. Double-ended power input

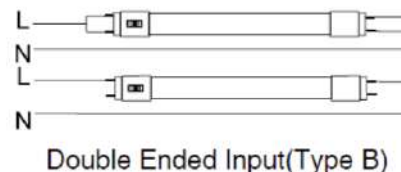
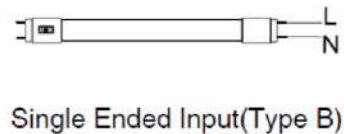
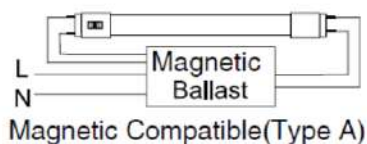
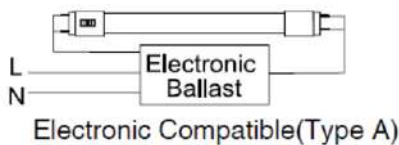


Case 2: Direct AC wiring diagram with 0-10V dimming system

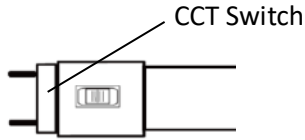


Type B - Installation instructions

1. Disconnect power to luminaire or circuit (if possible). Ensure all power is off by using a voltmeter or other method to confirm.
2. Remove existing tube lamp(s). (troffer lens, fluorescent, or ballast cover)
3. Retrofit luminaire. Modify circuit according to the following wire diagram:



4. Select the color temperature through the CCT switch on the LED lamp base.
 - Using the color (CCT) selector switch on the base, select the desired color temperature (3000K, 3500K, 4000K, 5000K, 6500K).
 - To prevent damage to lamp, lamp must not be energized when color (CCT) selector switch is changed.



5. Insert LED Tubes.
 - Read label on the LED tube to ensure the power end of LED is aligned with powered tube socket, then insert LED lamp in the normal way by sliding pins into sockets and rotating a quarter turn until LED tubelocks in place.
 - LED lamps are now fully installed.
 - Replace troffer lens, if present.
 - After modification completed. Attach the Replacement marking and cautionary label to a visible place on the luminaire and keep it visible after installation. Be sure to mark the type of wiring on the luminaire label (single or double-ended).
6. Restore power to circuit/luminaire and test light. If necessary, adjust position of LED tube. Done.

Dimensions

