

# GREEN CREATIVE T8 UEB UI Type B Single And Double Ended Bypass Instructions



For model #: 8.5T8/2F/xxx/UEB, 10T8/4F/xxx/UEB/SB, 12T8/3F/xxx/UEB, 10T8/4F/xxx/UEB, 10T8/4F/xxx/UEB/C, 14T8/4F/xxx/UEB  
Where xxx means 824-965 which indicates CRI and color temperature

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## T8 UEB (UL TYPE B – SINGLE AND DOUBLE ENDED BYPASS) INSTLLATION GUIDE – WARNING

**WARNING** – Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.

**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.

**WARNING** – To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

**WARNING** – Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

**WARNING** – For single ended wiring, to avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lamp holders. Note: Shunted lamp holders are found only in fluorescent luminaires 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 luminaire retrofit kit manufacturer.

- Disconnect power at the source before installation, inspection or removal. Do not simply switch off fixture.

- This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.
- Not intended for use with emergency exit fixtures or emergency exit lights.
- Not for use with luminaire ballast.
- Do not use if product is damaged.
- Suitable for use with non-shunted and shunted lamp holders Suitable for both single ended installation working with only non-shunted lamp holders, and double ended installation working with both shunted or non-shunted lamp holders.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- "This luminaire has been modified to operate LED lamps" shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including re-lamping.
- Risk of fire or electric shock. Do not open or modify. No user serviceable parts inside.
- 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 lamp holder lead wires by employing applicable connectors.
- SUITABLE FOR DAMP LOCATIONS. Suitable for use in wet locations when used in an outdoor-rated fixture. Not for use where directly exposed to the weather or water.
- Complies with Part 15 or FCC. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received including interference that may cause undesired operation.
- SUITABLE FOR "TYPE IC" OR "TYPE NON-IC" LUMINAIRES.
- No external weight or mechanical force should be applied to tube or components.
- THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.
- The lamps are intended to retrofit surface mount, Type IC or non-IC recessed mount listed fluorescent luminaires that use maximum 4 tubular lamps. The minimum lamp compartment dimensions are described below:

Model Number	Lamp Compartment Dimension			Maximum Lamps in Luminaire
	Length	Width	Height	
8.5T8/2F/xxx/UEB	24-1/16"	13-7/16"	1-13/16"	4
12T8/3F/xxx/UEB	36-1/4"	13-7/16"	1-13/16"	4
10T8/4F/xxx/UEB	47-11/16"	20-7/8"	3-15/16"	4
10T8/4F/xxx/UEB/C	47-11/16"	20-7/8"	3-15/16"	4
14T8/4F/xxx/UEB	47-11/16"	20-7/8"	3-15/16"	4
10T8/4F/xxx/UEB/SB	48-7/16"	23-7/8"	3-3/16"	4

#### SINGLE ENDED WIRING GUIDE – INSTALLATION STEPS

- 1) Read all WARNINGS before continuing this section.
- 2) Ensure fixture is 120-277V.
- 3) Make sure POWER IS TURNED OFF AT THE SOURCE.
- 4) Remove lens if applicable, remove cover and fluorescent tubes.
- 5) Cut all wires that connect ballast (Cf. Diagram 1). Properly discard ballast or cap off wires. Cut wire away from lamp holders.
- 6) If applicable, replace lamp holders at power end with non-shunted lamp holders.
- 7) Connect Live (L) from power source into non-Shunted lamp holder "L In".
- 8) Connect neutral (N) wire from power source into non-Shunted lamp holder "N In".
- 9) If installing a single tube refer to Diagram 3 and go to section 13. If connecting multiple lamps, continue reading.
- 10) Connect separate hot wire into "Hot Out" from primary source lamp holder and connect that wire into "Hot In" on the adjacent tube.
- 11) Connect separate neutral wire into "Neutral Out" from primary source lamp holder and connect that wire into "Neutral In" on the adjacent tube. See Diagram 4 below.
- 12) Continue this process for additional lamps.
- 13) This device is powered on one end only; the end with L and N markings (Cf. Diagram 2). Do not wire opposite end of lamp holder.
- 14) Install lamp with the L and N markings into the wired lamp holder end.
- 15) Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
- 16) Return power back to source and installation is now completed.

Single ended installation, suitable for use with Non-Shunted lamp holders only.

Programmed Start or Rapid Start  
(Non-Shunted Lamp Holders)



Instant Start  
(Shunted Lamp Holders)

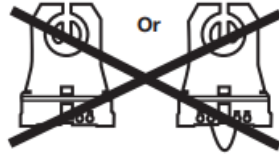
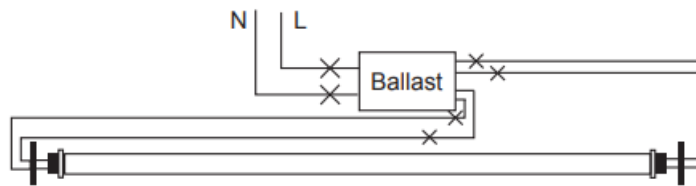
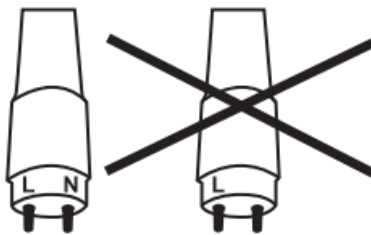


Diagram 1 — Cut all ballast wires



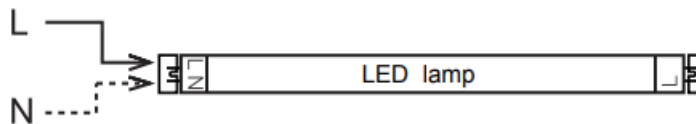
Cut all wires connected to the existing ballast, and remove the ballast.

Diagram 2 — Connecting end



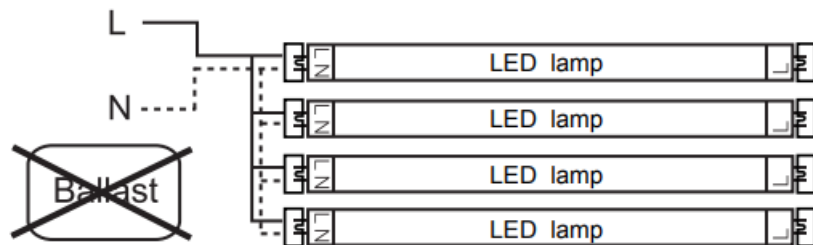
Only connect power to one end, the end with L and N markings.

Diagram 3 — Single tube wiring

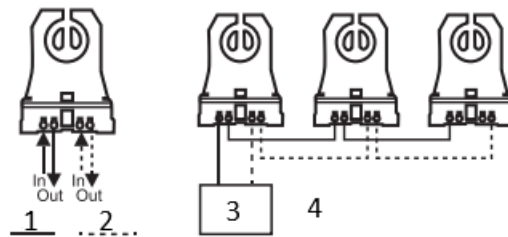


Only wire to one end, the end with L and N markings.  
Wiring should be made using Non-Shunted lamp holders.

Diagram 4 — Multiple tubes wiring



Only wire to one end, the end with L and N markings.  
Wiring should be made using Non-Shunted lamp holders.  
Maximum 4 tubes should be interconnected.



1. Hot
2. Neutral
3. Power Source
4. Multiple Lamps Configuration

#### DOUBLE ENDED WIRING GUIDE – INSTALLATION STEPS

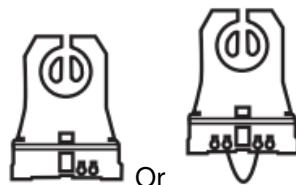
- 1) Read all WARNINGS before continuing this section.
- 2) Make sure POWER IS TURNED OFF at the source to the location at which you are installing the product.
- 3) Remove lens, cover and fluorescent tubes. Cut away all wires connecting the ballast (fig. 1)
- 4) It is not needed to change socket (if in good condition) to operate double ended lamps, regardless the type of sockets. Please make sure one side of fixture is connected to Live (L) and the other side to Neutral (N)
- 5) Follow wiring diagrams for number of lamps and original ballast type ( instant star, programmed start or rapid start). (fig.2-4)
- 6) Visibly affix “Modification Sticker” to the fixture and reinstall housing cover and lens if applicable.
- 7) Return power back to source and installation is now completed.

Double ended installation, suitable for use with Non-Shunted and Shunted lamp holders.

Programmed Start or Rapid Start  
(Non-Shunted Lamp Holders)



Instant Start  
(Shunted Lamp Holders)

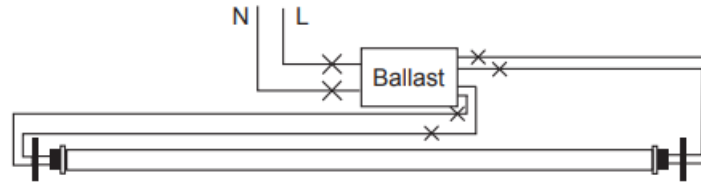


## Programmed Start or Rapid Start (Non-Shunted Lamp Holders)

### Programmed Start or Rapid Start (Non-Shunted Lamp Holders)

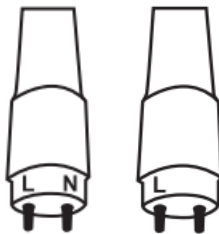


fig. 1



Cut all wires connected to the existing ballast, and remove the ballast.

fig. 2



Connect power to both ends, one end with the L and N markings and the other with L marking.

fig. 3

### Single Lamp

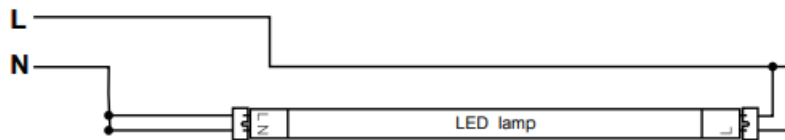
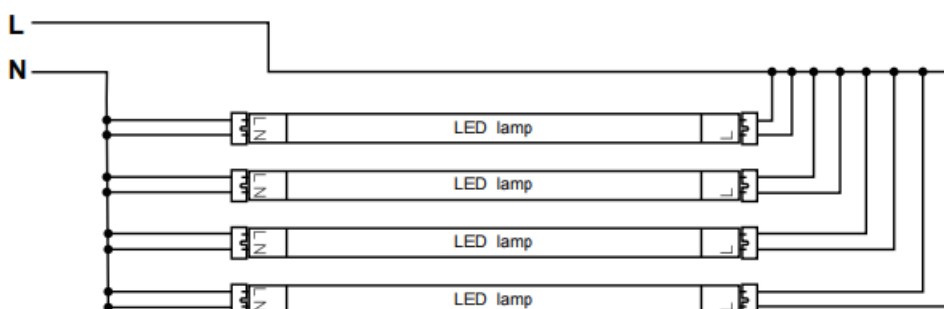


fig. 4

### Multiple Lamps

Maximum 4 tubes should be interconnected.



## Instant Start (Shunted Lamp Holders)

### Instant Start (Shunted Lamp Holders)

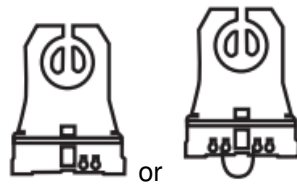
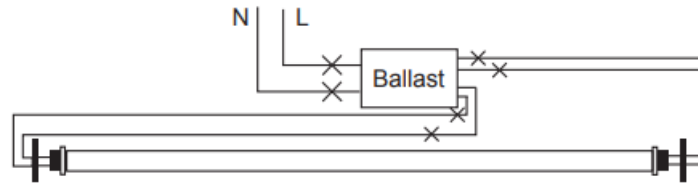
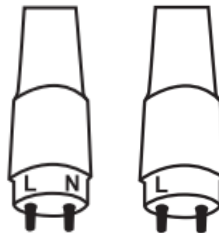


fig. 1



Cut all wires connected to the existing ballast, and remove the ballast.

fig. 2



Connect power to both ends, one end with the L and N markings and the other with L marking.

fig. 3

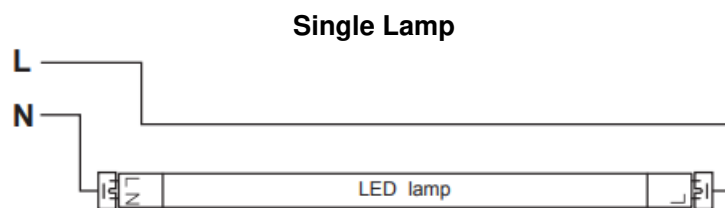
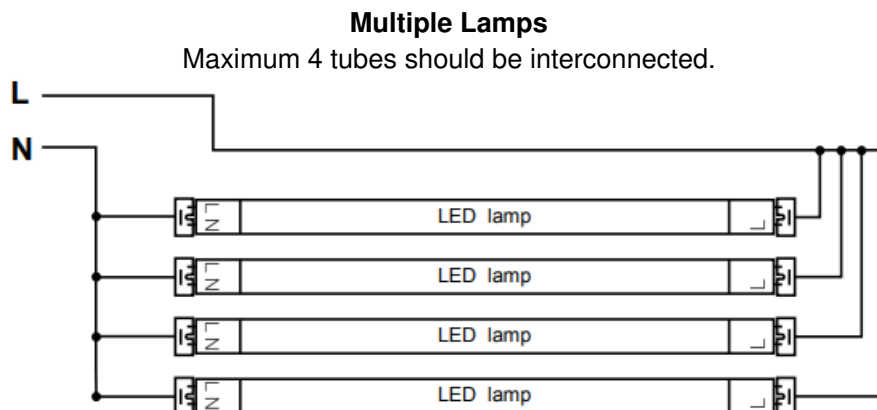


fig. 4





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## Documents / Resources



**[GREEN CREATIVE T8 UEB UI Type B Single And Double Ended Bypass](#)** [pdf] Instructions  
T8 UEB UI Type B Single And Double Ended Bypass, T8 UEB, UI Type B Single And Double Ended Bypass, Single And Double Ended Bypass, Double Ended Bypass, Ended Bypass

## References

- [GREEN CREATIVE | LED Lighting Manufacture | Lamps & Fixtures](#)
- [User Manual](#)