

LED LIGHT BAR & DRIVER INSTALLATION GUIDE - WARNING

WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaire 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.

- Check the Max. case temperature of the fluorescent lamp ballast before replacement. The temperature shall be below or equal to the maximum case temperature (194°F/90°C) of the external driver. The external driver shall be mounted at the same location as the ballast.
- 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.
- The LED Light Bars and drivers are pre-packaged together in one master carton. The LED Light Bar is DC input. Do not operate LED Light Bars without corresponding compatible driver (refer to compatibility table below).
- Do not use if product is damaged.
- Suitable for use with shunted and 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 Light Bars" 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 DRY AND DAMP LOCATIONS ONLY.
- Complies with Part 15 of 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.
- THE RETROFIT ASSEMBLY IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY UL OR AUTHORITIES HAVING JURISDICTION.

THE MINIMUM LAMP COMPARTMENT DIMENSIONS				
Model Number		20LB/2F/8XX, ULB2-20L-XX	40LB/4F/8XX, ULB4-40L-XX	40LB/4F/8XX, ULB4-40L-XX
Light Bar Compartment Dimensions	Luminaire	2x2 Troffer	1x4 Troffer	2x4 Troffer
	Length	24"	48"	48"
	Width	24"	12"	24"
	Height	3-3/16"	4-1/2"	3-3/16"
Light Bar-to-Light Bar Spacing		3-1/8"	3-1/8"	3-1/8"
Max. Light Bar in Luminaire		4	3	4

Model Number		20LB/2F/8XX, ULB2-20L-XX	30LB/3F/8XX, ULB3-30L-XX	40LB/4F/8XX, ULB4-40L-XX
Light Bar Compartment Dimensions	Luminaire	2FT Linear Ambient	3FT Linear Ambient	4FT Linear Ambient
	Length	24"	36"	48"
	Width	4-7/16"	4-7/16"	4-7/16"
	Height	2-11/16"	2-11/16"	2-11/16"
Light Bar-to-Light Bar Spacing		7/8"	7/8"	7/8"
Max. Light Bar in Luminaire		2	2	2

Where 8XX means 835/840/850 which indicates CRI and color temperature.
Ou 8XX signifie 835/840/850 qui indique le RIC et la température de couleur

LED LIGHT BAR & DRIVER INSTALLATION GUIDE - INSTALLATION STEPS

- 1) Read all WARNINGS before proceeding.
- 2) Ensure power is turned off at the source to the installation location.
- 3) Set the wattage switch to the desired level.
- 4) Remove lens, cover, and fluorescent tubes. Cut away all wires connecting the ballast and remove the ballast if necessary (Figure 1).
- 5) Place the LED driver and LED Light Bar into the fixture with magnets facing up. Secure the LED Light Bar and LED Driver to the fixture using self-tapping screws (Figure 2).
- 6) Connect the red and blue wires of the LED Light Bar harness to the LED Driver according to wiring diagrams. For 0-10V dimming circuits, use wire nuts (not provided) to connect incoming pink and purple wires to the LED driver's pink and purple wires. If no dimming circuit is present, cap off pink and purple wires. Affix the "Modification Sticker" visibly to the fixture. Reinstall housing cover and lens if applicable (Figure 3).
- 7) Return power back to the source and installation is complete.

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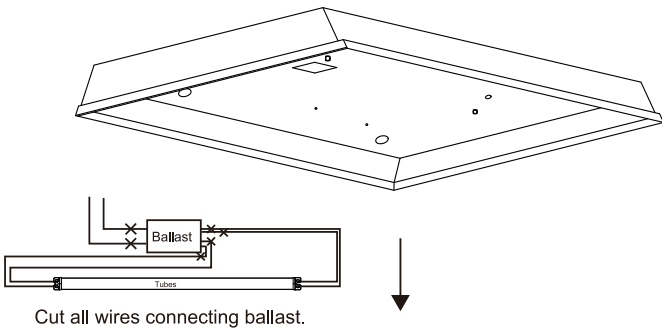


Figure 1

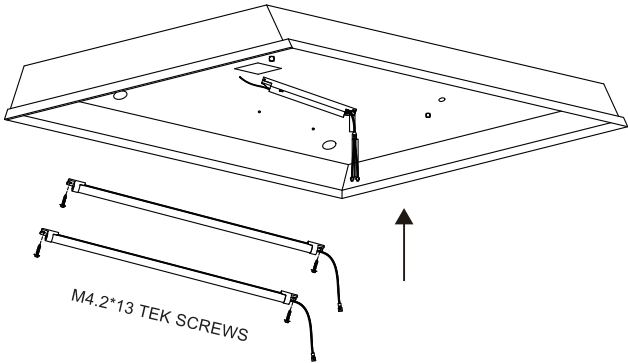


Figure 2

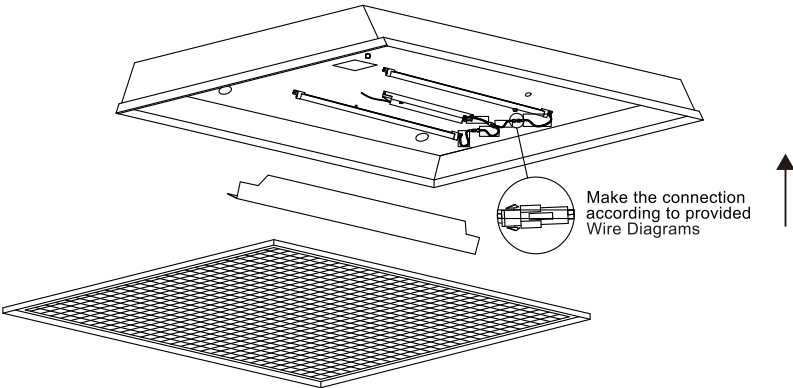


Figure 3

LED LIGHT BAR & DRIVER INSTALLATION GUIDE - WIRE DIAGRAM

