

SAFETY WARNINGS

IMPORTANT SAFETY INFORMATION

SUITABLE FOR DRY OR DAMP LOCATIONS.

CONVIENT AUX EMBLEMES HUMIDES.

NE PAS UTILISER AVEC GRADATEUR À COUPURE DE PHASE.

DANGER

Risk of shock. Disconnect power before installation.
DANGER- RISQUE DE CHOC- COUPER L'ALIMENTATION AVANT L'INSTALLATION

WARNING

Risk of fire or electric shock. LED Retrofit Assembly installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Product must be installed in accordance with NEC or your local electrical code. If you are not familiar with these codes and requirements, contact a qualified electrician.

ATTENTION- Risque d'incendie ou de choc électrique. L'installation du kit upgrade LED exige la connaissance des systèmes électriques pour luminaires. Si non qualifié, ne tentez pas d'installation. Ce produit doit être installé conformément à NEC ou votre code électrique local. Si vous n'êtes pas familier avec ces codes et ces exigences, veuillez contacter un électricien qualifié.

WARNING

Risk of fire or electric shock. To prevent wiring damage or abrasion, do not expose wires to the edge of sheet metal or any other sharp objects.
ATTENTION- Pour éviter les dégâts de câblage par l'abrasion, ne pas mettre en contact les fils électriques avec des bords de tôle ou d'autres objets pointus.

WARNING

Risk of fire or electric shock. Check the existing wiring for damage before installing upgrade assembly. Do not install if existing wires are damaged.

ATTENTION- Risque d'incendie ou de choc électrique. Vérifier si le câblage existant n'est pas endommagé avant l'installation du kit upgrade LED. Ne pas installer si des fils sont endommagés.

WARNING

Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of the LED upgrade assembly. Check for enclosed wiring and components.

ATTENTION- Risque d'incendie ou de choc électrique. Câblage électriques peuvent être endommagés lors du perçage pour l'installation du kit upgrade LED. Vérifier les fils et composants.

WARNING

Risk of fire or electric shock. Install this assembly only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings.

ATTENTION- Risque d'incendie ou de choc électrique. Installez ce kit seulement dans les luminaires qui ont les caractéristiques de construction et les dimensions dans les photographies ou les dessins de la page suivante.

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

IL EST INTERDIT DE FAIRE OU DE MODIFIER UNE OUVERTURE DANS UN BOÎTIER DE CÂBLAGE OU DE COMPOSANTS ÉLECTRIQUES AU COURS DE L'INSTALLATION DU NÉCESSAIRE.

NOTE THE RETROFIT ASSEMBLY IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

LE NÉCESSAIRE DE MODERNISATION EST ACCEPTÉ À TITRE DE COMPOSANT D'UN LUMINAIRE LORSQUE LA PERTINENCE DE LA COMBINAISON DOIT ÊTRE DÉTERMINÉE PAR LES AUTORITÉS COMPÉTENTES.

LED DRIVER COMPATIBILITY REQUIREMENTS

Qty of Lamps	Kit Part Number	Driver Rating		Input Voltage	Drivers Catalog#
		Current	Voltage		
1	LR14T8-18L8xx-10DU-X	290mA	42V min	120-277V	D700C20UNVPWX12-C
	LR14T8-18L8xx-10DU-XCT				
2	LR24T8-36L8xx-10DU-X	590mA	42V min	120-277V	D10CC30UNVPWX12-C
	LR24T8-36L8xx-10DU-XCT				
3	LR34T8-54L8xx-10DU-X	890mA	42V min	120-277V	D15CC55UNVPWX12-C
	LR34T8-54L8xx-10DU-XCT				
3	LR44T8-72L8xx-10DU-X	1190mA	42V min	120-277V	D15CC55UNVPWX12-C
	LR44T8-72L8xx-10DU-XCT				

xx: 35/3500K, 40/4000K, 50/5000K
Module p/n: LRT8M22L/8xxA

Bluetooth Control:

Included with models having the CT suffix Catalog #: BT-LRT-A

Models without the CT suffix have 12V auxiliary power but no control included.

INSTALLATION

For installation in lensed or parabolic 2' x 2' or 2'x4' troffers. Type IC (Insulated Ceiling) or type Non-IC, 40°C max ambient. Requires minimum 3" depth.

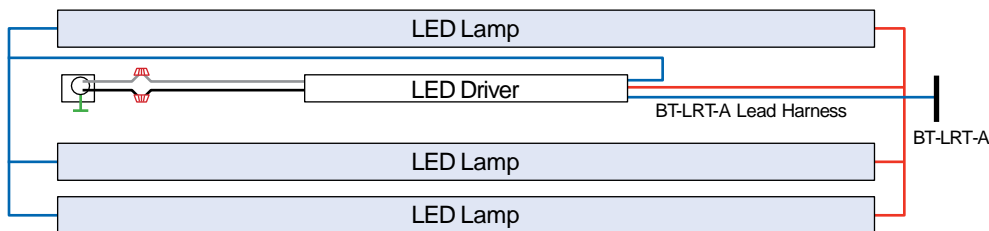
For installation in 4ft or 8ft Vaportight: Lensed, minimum 5" depth and 6.75" width, 40°C max ambient. One retrofit kit per luminaire.

- Step 1:** Disconnect the power to the fixture.
- Step 2:** Remove existing lamps, ballast cover plate, and ballast. Leave existing wire in place and as long as possible. Replace lamp holders if necessary.
- Step 3:** Verify that the luminaire is connected to the ground wire from the AC supply.
- Step 4:** Secure the Universal Douglas driver into the fixture. Use a self-tapping screw (not provided) if necessary.
- Step 5:** Connect existing leads to the driver as shown. The lamps are connected and operated in parallel for both ends of the lamps. Wires should be 18AWG solid conductor with ¼" strip length.
- Step 6:** Connect the BT-LRT-A controller and mount it adjacent to the LED tubes, outside of the ballast wiring channel in recessed troffers.
- Step 7:** Insert the line and neutral wires into their connectors.
- Step 8:** Replace the ballast cover plate, take care not to pinch wires.
- Step 9:** Insert the lamps with the label side facing the back of the fixture.
- Step 10:** Place relamp label at a visible location in the fixture. Close or replace lens and secure latches or other fastening means.
- Step 11:** Restore power and confirm lamps are operating properly.

BT-LRT-A INSTALLATION

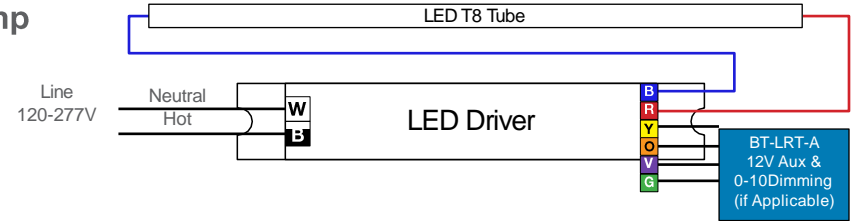
The sensor has a magnet which allows for it to be mounted to the metal tray or panel of the luminaire. The BT-LRT-A **should not** be mounted within the ballast channel where it is completely enclosed in metal. The leads of the BT-LRT-A are to be connected to the driver as shown in the wiring diagram.

For installation outside of the wiring channel of the fixture the leads should be routed away from the input power leads and not come in contact with the power leads. Leads should exit the end of the channel and the sensor be placed between lamps.

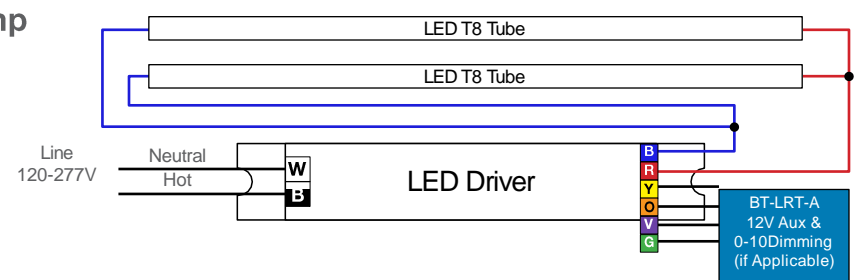


CONNECTION DIAGRAMS

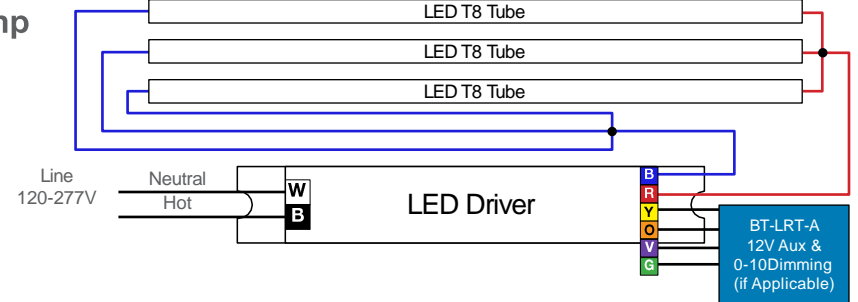
1-Lamp



2-Lamp



3-Lamp



4-Lamp

