



VTK VOLUMETRIC TROFFER

INSTALLATION INSTRUCTIONS

CAUTION

PLEASE READ INSTRUCTIONS BEFORE COMMENCING INSTALLATION AND RETAIN FOR FUTURE REFERENCE.

Electrical products can cause death or injury, or damage to property. If any doubt about the installation or use of this product, consult a competent electrician.

WARNING

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

WARNING

- Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.
- Turn off the power when you perform any maintenance.
- Verify that supply voltage is correct by comparing it with the luminaire label information.
- All wiring connections should be capped with UL approved wire connectors.

CAUTION

- Avoid direct eye exposure to the light source while it is on.
- Account for small parts and destroy packing material, as these may be hazardous to children.
- Risk of burn. Disconnect power and allow fixture to cool before changing bulb or handing fixture.

NOTICE: Green ground screw provided in proper location. Do not relocate.

NOTICE: Minimum 90° supply conductors.

NOTICE: Specifications and dimensions subject to change without notice.

NOTICE: Suitable for Dry or Damp location.

WARNING

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.

AVERTISSEMENT - RISQUE D'INCENDIE OU DE CHOC ÉLECTRIQUE. L'INSTALLATION DE CE NÉCESSAIRE DE MODERNISATION EXIGE UNE PERSONNE FAMILIÈRE AVEC LA CONSTRUCTION ET LE FONCTIONNEMENT DU SYSTÈME ÉLECTRIQUE DU LUMINAIRE ET DES RISQUES ASSOCIÉS. TOUTE PERSONNE QUI N'EST PAS QUALIFIÉE NE DOIT FAIRE AUCUNE TENTATIVE D'INSTALLATION ET DOIT CONTACTER UNE PERSONNE QUALIFIÉE.

WARNING – RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN 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.

AVERTISSEMENT - RISQUE D'INCENDIE OU DE CHOC ÉLECTRIQUE. N'INSTALLER CE NÉCESSAIRE QUE DANS LES LUMINAIRES DONT LES CARACTÉRISTIQUES DE CONSTRUCTION ET LES DIMENSIONS SONT CONFORME À CELLES ILLUSTRÉES DANS LES PHOTOS ET/OU LES DESSINS ET DONT LA PUISSANCE D'ENTRÉE NOMINALE DU NÉCESSAIRE DE MODERNISATION NE DÉPASSE PAS CELLE DU LUMINAIRE.

WARNING - DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.

AVERTISSEMENT - 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.

WARNING – TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

AVERTISSEMENT - AFIN DE PRÉVENIR L'ENDOMMAGEMENT OU L'ABRASION DES CÂBLES, ÉVITER TOUT CONTACT ENTRE CES DERNIERS ET LE BORD D'UN OBJET TRANCHANT TEL QU'UNE TÔLE.

THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY CSA OR AUTHORITIES HAVING JURISDICTION

LE KIT DE RATTRAPAGE EST ACCEPTÉ COMME COMPOSANTE D'UN LUMINAIRE OU LA PERTINENCE DE LA COMBINAISON EST DÉTERMINÉ PAR CSA OU AUTORITÉS COMPÉTENTES.

ELECTROSTATIC DISCHARGE (ESD) CAN DAMAGE LED FIXTURES. PERSONAL GROUNDING EQUIPMENT MUST BE WORN AT ALL TIMES.

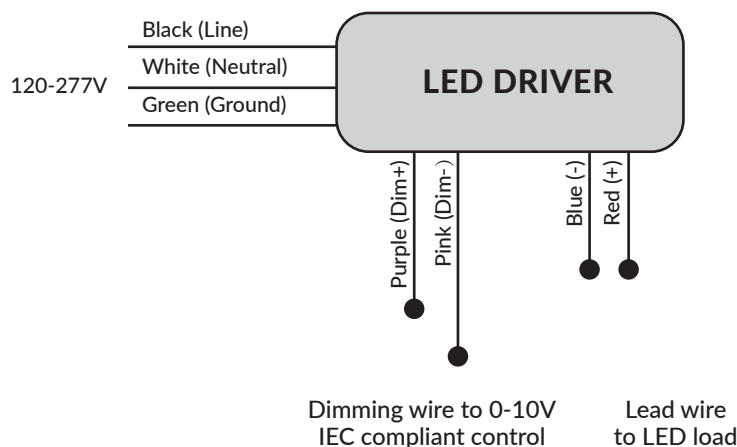
DÉCHARGE ÉLECTROSTATIQUE (ESD) PEUT ENDOMMAGER LES FIXTURES LED. L'ÉQUIPEMENT PERSONNEL DE MISE À LA TERRE DOIT ÊTRE PORTÉ À TOUT MOMENT.



VTK VOLUMETRIC TROFFER

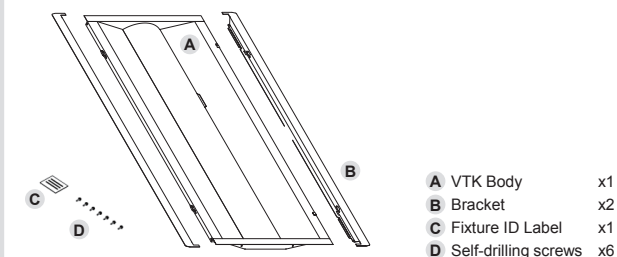
INSTALLATION INSTRUCTIONS

General Wiring Diagram:



REPLACES 1x4 or 2x2 or 2x4 RECESSED FLUORESCENT FIXTURES

Parts included in this kit:



Tools required:



Installer Notes:

- 1) A label with the model, serial number, and date of manufacture is included with the kit and must be adhered within the original luminaire during installation. This label must be applied in compliance with UL standards.
- 2) 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.
- 3) This retrofit kit utilizes the original fixture housing to secure components in place. Ensure that retrofit kit Brackets are firmly held within the fixture before hanging the VTK Body.
- 4) This retrofit kit includes means to permanently attach it to the original fixture housing which are optional except in certain locations. Check local codes and regulations to determine if these are required in your area.
- 5) It is recommended that a single test unit is installed before full renovation to ensure fixture compatibility.

Caution:

Install this retrofit kit only in indoor fluorescent fixtures with a minimum depth of 3" and features similar to those pictured here.



SIZE	EXISTING FIXTURE INNER DIMENSIONS
VTK14	1220mm x 302mm x 78mm
VTK22	610mm x 608mm x 78mm
VTK24	1220mm x 608mm x 78mm

Only certified when installed in a listed troffer

Veuillez noter que ces kits ne sont certifiés que lorsqu'ils sont installés dans un troffer répertorié

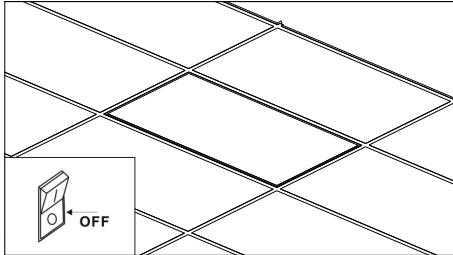


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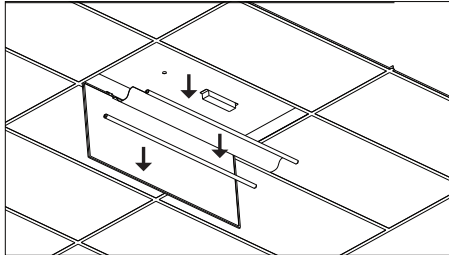
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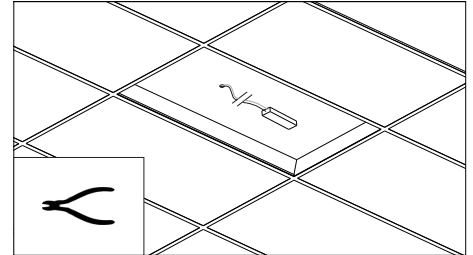
1. Read all Warnings and Installer Notes before proceeding with this retrofit.
2. Check to ensure all parts listed are included in your retrofit kit.



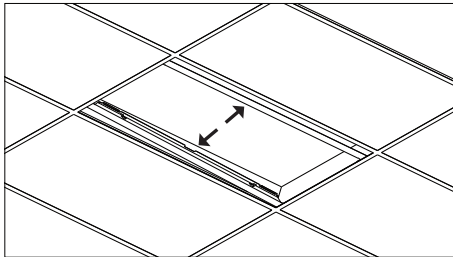
3. Shut off or disconnect power to the fixture.



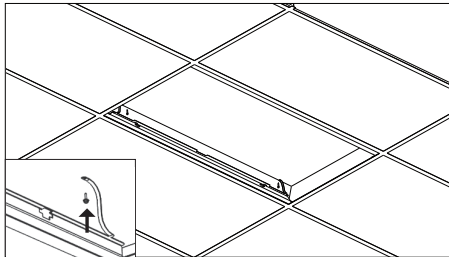
4. Remove existing lens or louver, fluorescent lamps, and fluorescent ballast cover. Discard in proper accordance with current state and federal regulation. Fluorescent lamps contain hazardous materials.



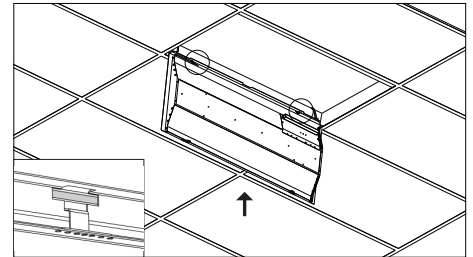
5. Disconnect or sever the wiring from the AC power input to the fluorescent ballast. If space is limited, remove the ballast.



6. Gently lift the original troffer housing and insert the first Bracket between the troffer and the T-grid. Slide the Bracket to one side of the troffer until it cannot move any further. Repeat with the second Bracket. Ensure that the original troffer is resting firmly on the Brackets so that they are secured in place.



7. (Optional, or if required by local code) Attach the Bracket safety straps to the fixture housing by gently breaking one end of each strap from each Bracket and using one of the provided self-drilling screws to attach it to the fixture housing.



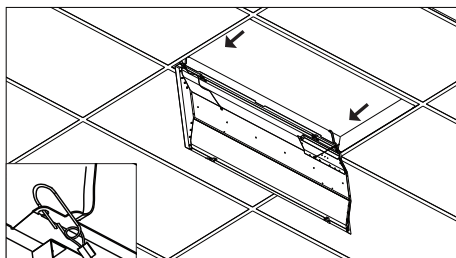
8. Hang the VTK Troffer Kit by first hooking the T-hinges into the respective slots in the Brackets. Slowly release the VTK Troffer Kit to ensure that it is fully supported and secure.



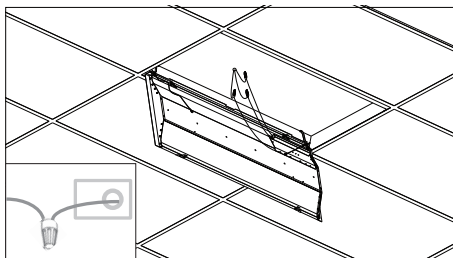
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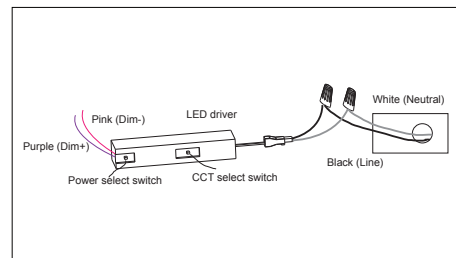
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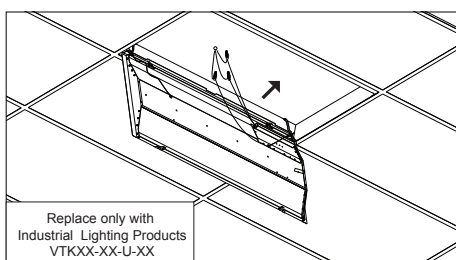
9. (Optional, or if required by local code) Attach the safety cables on the VTK Troffer Kit to the fixture housing using one of the provided self-drilling screws and washers on each.



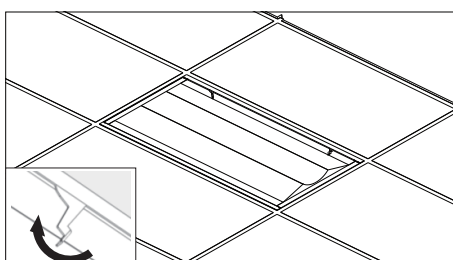
10. Connect the original fixture ground connection to the VTK ground cable (green) using the proper connectors in accordance with current state and federal regulation.



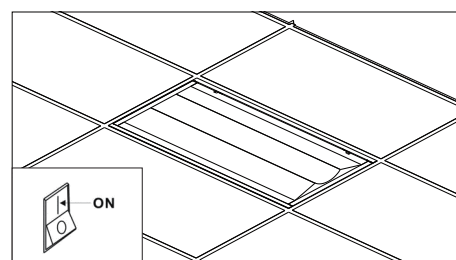
11. Connect AC input cables to the incoming AC power connection using the proper connectors in accordance with current state and federal regulation.



12. Adhere the Fixture ID Label to the original fixture housing in a clearly visible location. This label is required by UL standards.



13. Rotate the VTK Troffer Kit up into the fixture and secure it in place by rotating the latches into the respective slots on the Bracket. Ensure that the latches have securely gripped the Bracket before releasing the fixture.

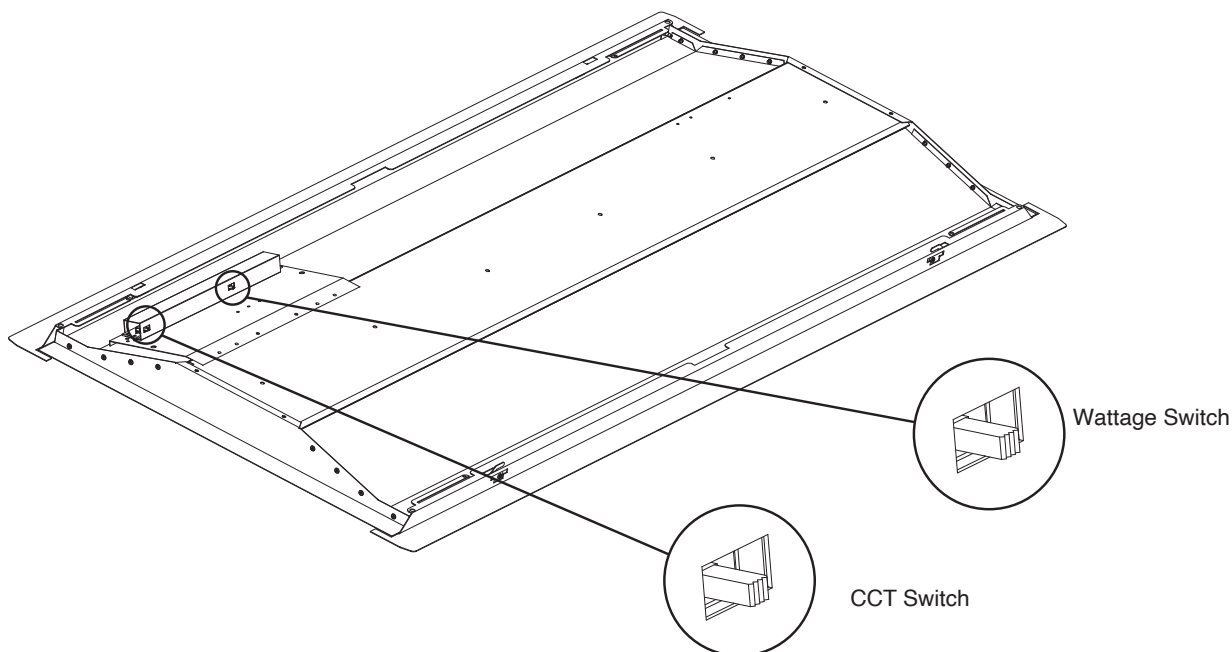


14. Turn on or reconnect power to the fixture to complete the installation.

Field-Adjustable CCT & Wattage

The end user may adjust the color temperature and lumen output respectively by the two DIP switches. Each DIP switch is accommodated with 3 options, corresponding to 3 color temperatures and 3 wattage respectively, which can perform the desired color temperature and lumen output combination.

- Factory Settings: 4000K; Max. power
- DIP switches are located on the LED driver.
- Select a wattage and color temperature by sliding switch left or right respectively to the desired value.





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LED Systems Information

Part No.	Input Wattage	Working Current	Voltage	PF	Dimming
VTK14-2L/3L/4L-U-CCTS	17W / 22W /26W	0.06-0.22AMP	120-277V, 50/60Hz	>0.9	0-10V
VTK14-2L-U-35	17W	0.07-0.15AMP			
VTK14-2L-U-40					
VTK14-2L-U-50					
VTK14-3L-U-35	22W	0.08-0.19AMP			
VTK14-3L-U-40					
VTK14-3L-U-50					
VTK14-4L-U-35	26W	0.10-0.22AMP			
VTK14-4L-U-40					
VTK14-4L-U-50					
VTK22-2L/3L/4L-U-CCTS	17W / 22W /26W	0.06-0.22AMP			
VTK22-2L-U-35	17W	0.07-0.15AMP			
VTK22-2L-U-40					
VTK22-2L-U-50					
VTK22-3L-U-35	22W	0.08-0.19AMP			
VTK22-3L-U-40					
VTK22-3L-U-50					
VTK22-4L-U-35	26W	0.10-0.22AMP			
VTK22-4L-U-40					
VTK22-4L-U-50					
VTK24-3L/4L/5L-U-CCTS	22W / 26W / 32W	0.08-0.27AMP			
VTK24-3L-U-35	22W	0.08-0.19AMP			
VTK24-3L-U-40					
VTK24-3L-U-50					
VTK24-4L-U-35	26W	0.10-0.22AMP			
VTK24-4L-U-40					
VTK24-4L-U-50					
VTK24-5L-U-35	32W	0.12-0.27AMP			
VTK24-5L-U-40					
VTK24-5L-U-50					