KEYSTONE

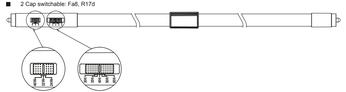
DIRECTDRIVE D2
DOUBLE-ENDED LINE VOLTAGE LED TUBES

INSTALLATION AND OPERATING INSTRUCTIONS

CAT. NO. KT-LED40PST8-D48G-8CSJ-D2

1. Product Features:

- UL certified
- Full glass housing: No Aging, Yellowing, Bending.
- 5 Colors temperature selectable: 3000K, 3500K, 4000K, 5000K, 6500K
- 3 Power selectable: 24W, 32W, 40W
- 2 Cap switchable: FaB, R17d



2.Product Applications:

Widely used in residential buildings, offices, shopping malls, supermarkets, hospitals, assembly lines, warehouses, etc. for energy saving illumination.

3.Installation Instructions:

Please completely comply with these instructions and notes, to ensure that the product is operated in a safe condition.

⚠ Safety Precautions:

For your and others' safety, please read the precaution carefully before installation:

(1). Product should be installed by qualified electrician.

(2). Switch off the power supply before commencing work, make sure correct connection before power on.

(3). OPERATED WITH METAL FIXTURE ONLY.

(4). Suitable for emergency lighting with KT-EMRG-LED-12-1200-AC-IP or KT-EMRG-LED-12-1200-AC /DF.

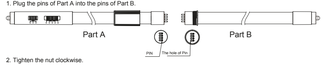
(5). Only use the control provided with or specified by these instructions to control this lamp. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control. Only operate with specific dimmer KTD-TLED-FF1-VDIM manufactured by Keystone Technologies.

200 mm

140 mm

Connection Instruction

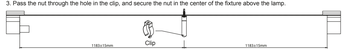
1. Plug the pins of Part A into the pins of Part B.



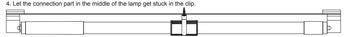
2. Tighten the nut clockwise.



3. Pass the nut through the hole in the clip, and secure the nut in the center of the fixture above the lamp.



4. Let the connection part in the middle of the lamp get stuck in the clip.



If you need to use with R17D, follow the steps below:

Cap Adaptor Replacement Instruction

1. Take a tube with original FaB cap.

2. Pull out the FaB cap adaptor at both ends.



3. The pins of tube are aligned with the pins hole of R17d cap adapter, plug in R17d cap adaptor at both ends.



4. Complete the replacement from FaB to R17d cap.



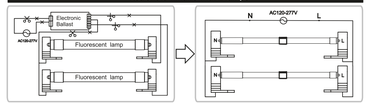
Wiring Instruction - FA8

Wiring Instruction - Electronic Ballast

Retrofit luminaire with 1 lamp



Retrofit luminaire with 2 lamps



Wiring Instruction - Magnetic Ballast

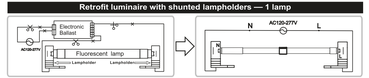
Retrofit luminaire Magnetic Ballast



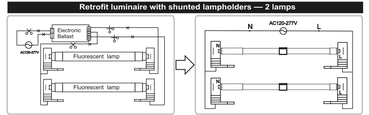
Wiring Instruction - R17D

Wiring Instruction - Electronic Ballast

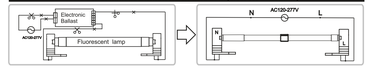
Retrofit luminaire with shunted lampholders — 1 lamp



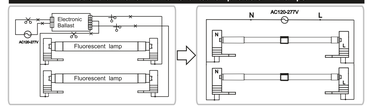
Retrofit luminaire with shunted lampholders — 2 lamps



Retrofit luminaire with non-shunted lampholders — 1 lamp



Retrofit luminaire with non-shunted lampholders — 2 lamps



Wiring Instruction - Magnetic Ballast

Retrofit luminaire Magnetic Ballast



The units covered by this report were intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum 2 tubular lamps, the minimum lamp compartment dimensions are tabulated below.

Model Number	MINIMUM LAMP COMPARTMENT DIMENSIONS [Length × Width × Height] (cm)	Lamp Quantity
KT-LED40PST8-D48G-8CSJ-D2	244 x 27 x 7	2

⚠ WARNING:

TYPE B LAMP – Intended for operation in luminaires with traditional fluorescent-type lampholders wired directly to the branch circuit. This includes both factory-wired luminaires as well as those converted for this purpose under a retrofit program.

CAUTION - RISK OF ELECTRIC SHOCK. Do not use if outer lamp envelope is damaged or broken.
ATTENTION - RISQUE DE CHOC ÉLECTRIQUE.N'employez pas si l'enveloppe extérieure de lampe est endommagé ou cassé.

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. Installation du kit de Retrofit LED exige une connaissance des systèmes électriques luminaires. Si vous n'êtes pas qualifié, ne tentez pas de l'installation. Contactez un électricien qualifié.

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. Installez ce kit dans les luminaires qui ont les caractéristiques de construction et les dimensions indiquées dans les photographies et / ou dessins et où la cote d'entrée du kit de modification ne dépasse pas la capacité d'entrée du 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.
AVERTISSEMENT - Pour éviter d'endommager le câblage ou à l'abrasion, ne pas exposer le câblage aux bords de tôle ou d'autres objets pointus.

THE 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.

Installers should not disconnect existing wires from lampholder terminals to make new connections at lampholder terminals. Instead installers should cut existing lampholder leads away from the lampholder and make new electrical connections to lampholder lead wires by employing applicable connectors.

Installers should 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.

WARNING – RISK OF FIRE OR ELECTRIC SHOCK. INSTALLATION OF THIS RETROFIT ASSEMBLY REQUIRES A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE LUMINAIRE'S ELECTRICAL SYSTEM AND THE HAZARD INVOLVED. 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 UN ÉLECTRICIEN QUALIFIÉ.

This device complies with Part 15 of the FCC Rules.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.