

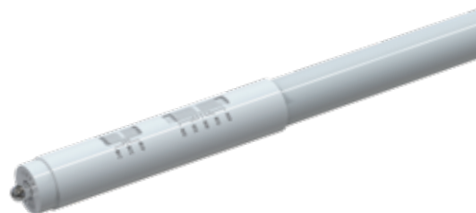
# INSTRUCTIONS

## LED T8 Tube Double - ended bypass/line voltage



RAB Lighting is committed to creating high-quality, affordable, well-designed and energy-efficient LED lighting and controls that make it easy for electricians to install and end users to save energy. We'd love to hear your comments. Please call the Marketing Department at 888-RAB-1000 or email: [marketing@rablighting.com](mailto:marketing@rablighting.com)

T8-96G-DE-BYP



### IMPORTANT

#### **READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.**

RAB fixtures must be wired in accordance with the National Electrical Code and all applicable local codes. Proper grounding is required for safety. THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

#### **WARNINGS:**

**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.

**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 and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.

**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.

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

**CAUTION - RISK OF ELECTRIC SHOCK.** Do not use if outer lamp envelope is damaged or broken.

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.

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

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.

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.

**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.

THIS RETROFIT KIT INCLUDES THE LED TUBE AND FIELD APPLIED LABEL.

#### **SAFETY INFORMATION:**

For the safety of you and others, be sure to thoroughly review these instructions before installation:

- (1) Switch off the power supply before commencing work and be sure that the correct connections have been made before powering on
- (2) NOT FOR EMERGENCY LIGHTING
- (3) 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. This lamp can be dimmed with specified dimmer(s), for more information contact RAB Lighting.
- (4) This lamp may not be compatible with all dimmers, for more information, please contact RAB Lighting.

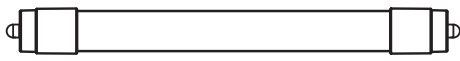
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### WHAT'S IN THE BOX



T8 Tube (10)



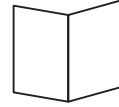
Clip (10)  
The clips will be in the separate bag



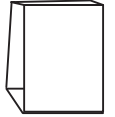
Screw (10)



Base (20)  
The bases will be in the separate bag



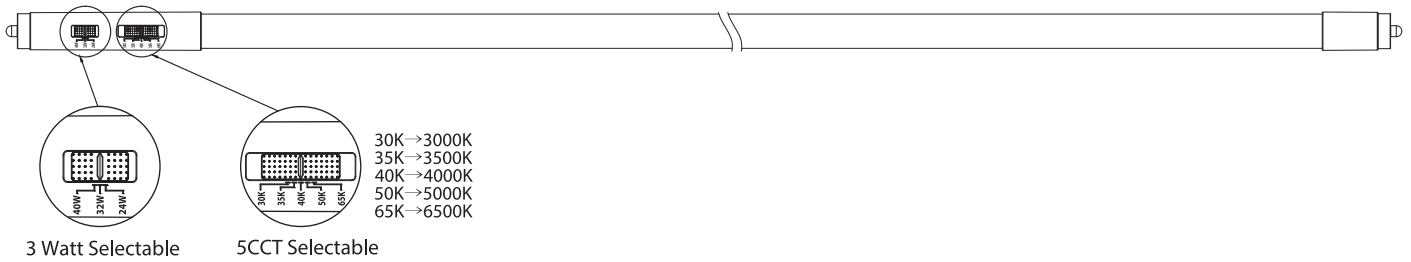
Instruction (1)



Paper bag (1)

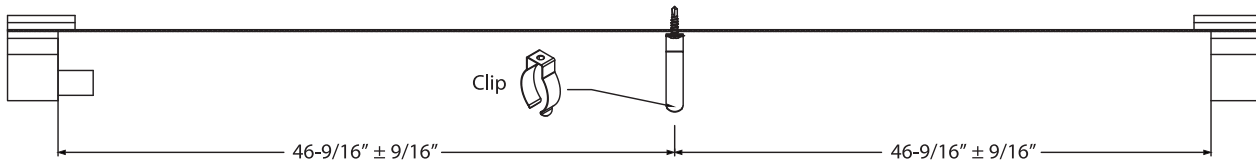
### FIELD ADJUSTABLE SWITCHES

Before installation, select the appropriate wattage and color temperature (CCT) using the dipswitch on the lamp. Please note, this area of the lamp will not illuminate.

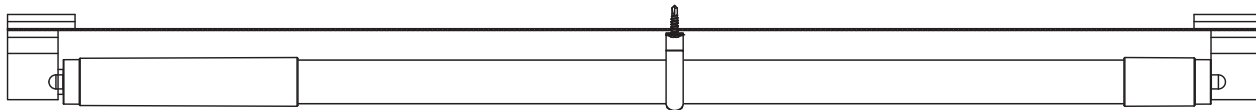


### CLIP HOLDER USAGE INSTRUCTIONS

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



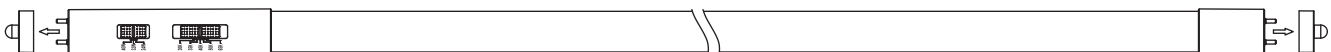
2. Place the lamp into the clip to secure the lamp in place.



IF YOU NEED TO USE WITH R17D, FOLLOW THE STEPS BELOW:

### CAP ADAPTER REPLACEMENT INSTRUCTION

1. Take a tube with original Fa8 cap.
2. Pull to remove the Fa8 cap adapter on both ends of the lamp.



3. The pins of the tube are aligned with the pin's hole of R17d cap adapter, plug in R17d cap adapter to both ends.



# INSTRUCTIONS

## LED T8 Tube Double - ended bypass/line voltage

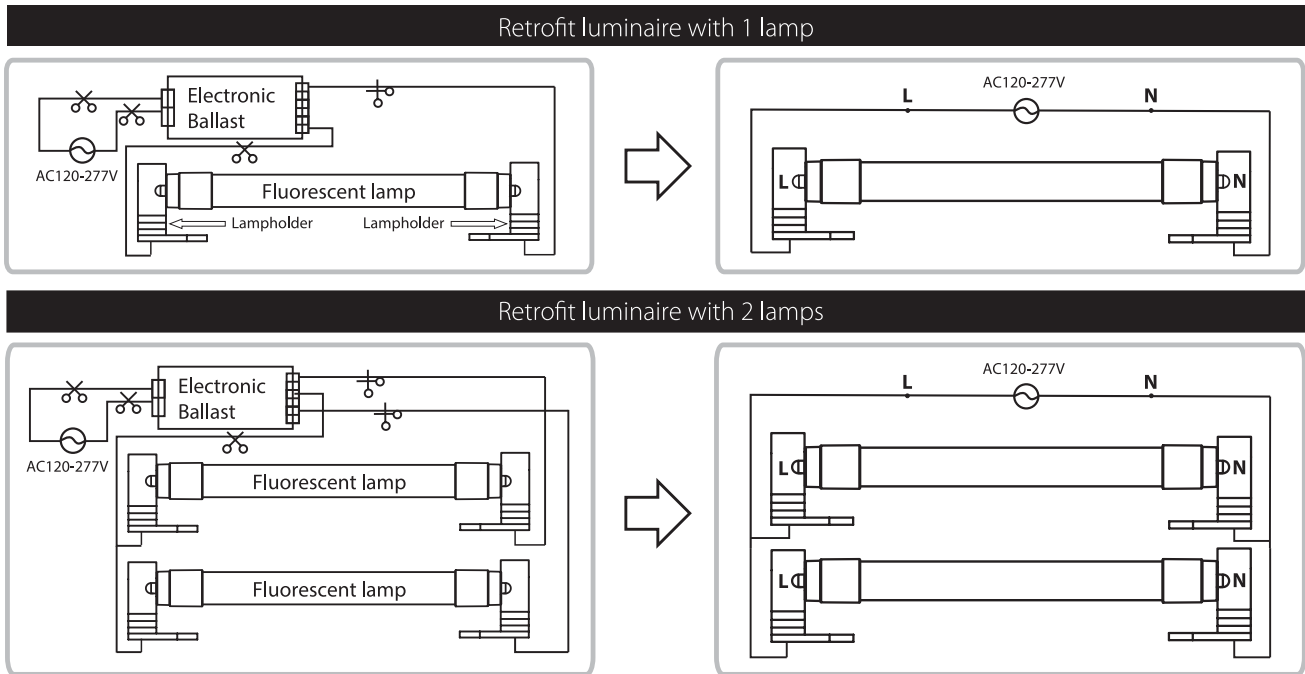


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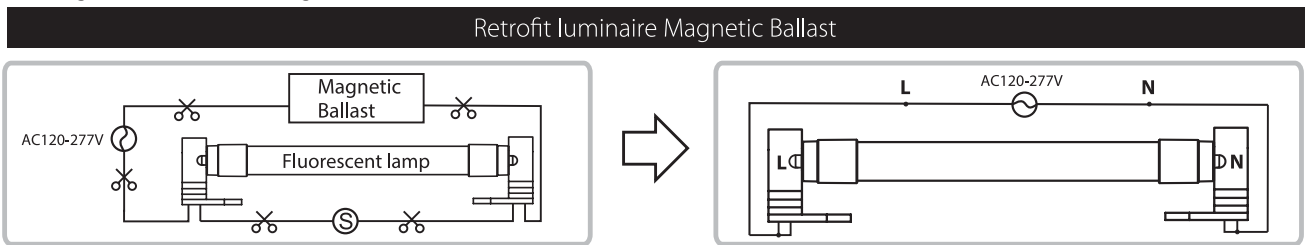
### INSTALLATION INSTRUCTIONS - FA8

It is not needed to change the socket (if in good condition) to operate double ended lamps, regardless of the type of sockets being used. The ballast wiring represents typical configuration. The actual ballast wiring varies according to ballast model. Be sure that one side of the fixture is connected to Live (L) and the other side to Neutral (N).

#### Wiring Instruction - Electronic Ballast



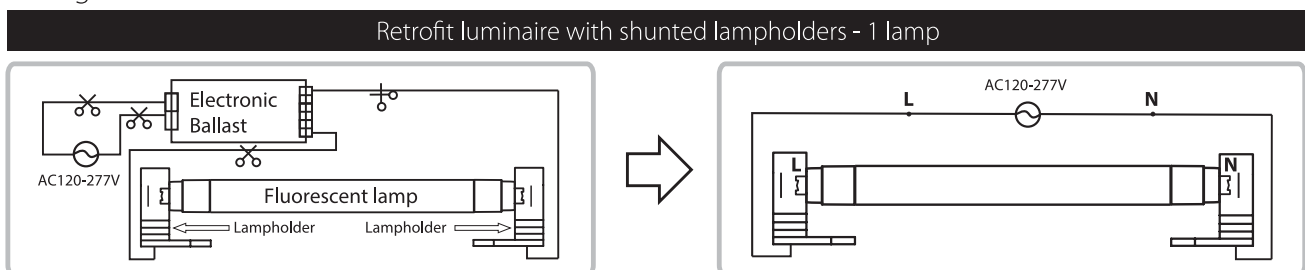
#### Wiring Instruction - Magnetic Ballast



### INSTALLATION INSTRUCTIONS - R17D

It is not needed to change the socket (if in good condition) to operate double ended lamps, regardless of the type of sockets being used. The ballast wiring represents typical configuration. The actual ballast wiring varies according to ballast model. Be sure that one side of the fixture is connected to Live (L) and the other side to Neutral (N).

#### Wiring Instruction - Electronic Ballast



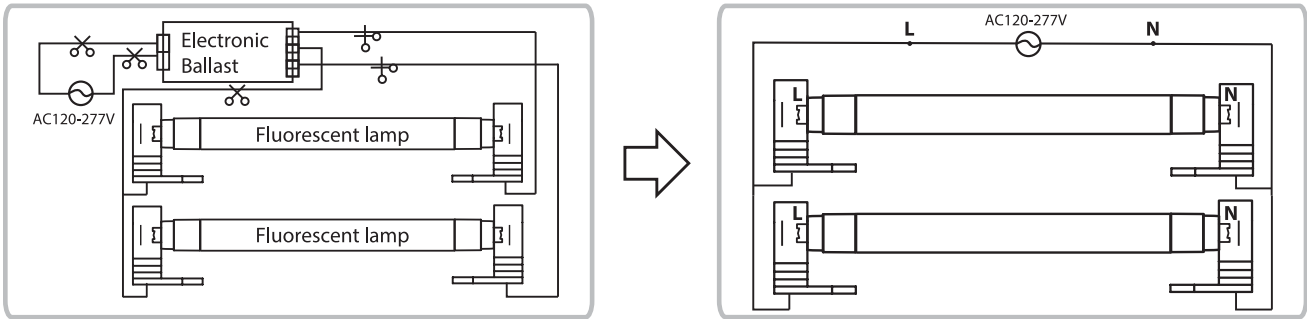
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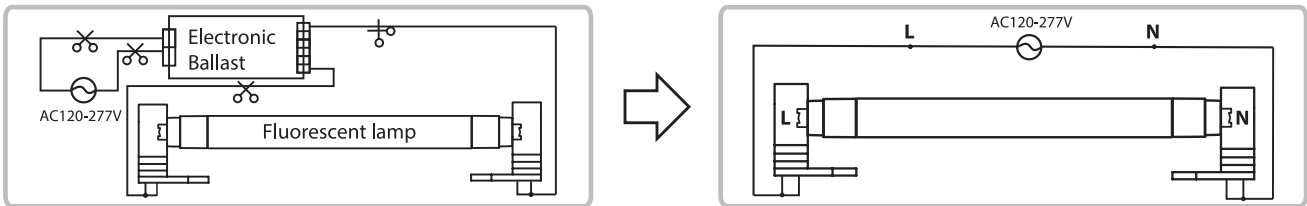


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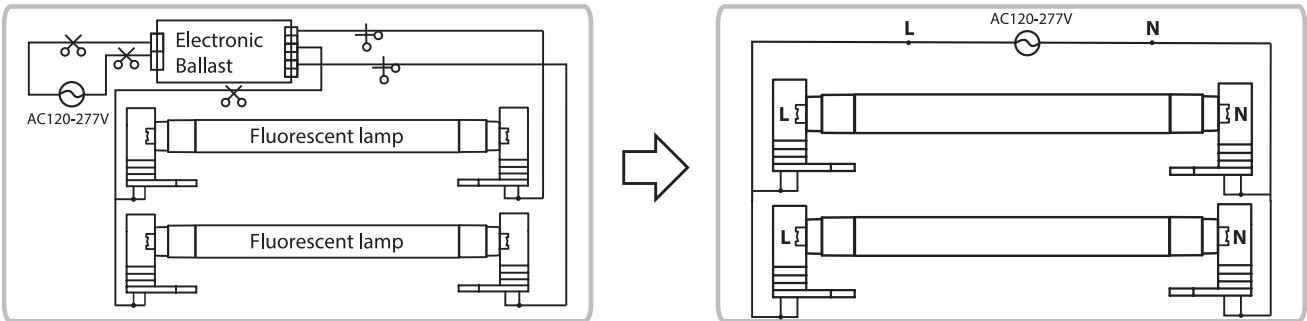
### Retrofit luminaire with shunted lampholders - 2 lamps



### Retrofit luminaire with non-shunted lampholders - 1 lamp

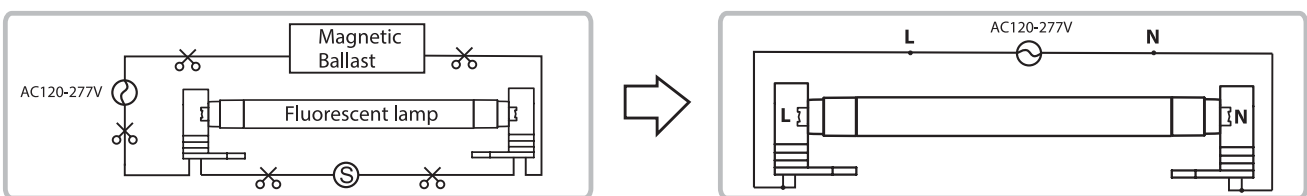


### Retrofit luminaire with non-shunted lampholders - 2 lamps



### Wiring Instruction - Magnetic Ballast

#### Retrofit luminaire Magnetic Ballast



## PRODUCT NOTES

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.

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

Model Name	Minimum Lamp Compartment Dimensions (Length x Width x Height)	Lamp Qty.
T10277(T8-96G-DE-BYP)	96 1/16 x 10 5/8 x 2 3/4 (inch)	2



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Cranbury, New Jersey 08512 USA

### Easy Answers

[rablighting.com](http://rablighting.com)  
Visit our website for product info

Tech Help Line  
Call our experts: 888 722-1000

e-mail  
Answered promptly - [sales@rablighting.com](mailto:sales@rablighting.com)

Free Lighting Layouts  
Answered online or by request

8FTFA8DEBYP-IN-0823

RAB WARRANTY: RAB's warranty is subject to all terms and conditions found at [rablighting.com/warranty](http://rablighting.com/warranty).