

INSTRUCTIONS

LED T8 tube series - Single Ended T8 Dimmable 120V



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

T8-14.5-48GC-8XX-SE-BYP-PDIM



IMPORTANT

READ CAREFULLY BEFORE INSTALLING LED TUBE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB LED tubes 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:

SUITABLE FOR DAMP LOCATIONS. SUITABLE FOR USE IN ENCLOSED LUMINAIRES.

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

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

THIS DEVICE COMPLIANS 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 UNDESIRE OPERATION.

INSTALLATION INSTRUCTIONS

- 1) Make sure the circuit breaker that supplies the power to the fixture is turned off.
- 2) Remove lens or diffuser cover (if applicable) and existing fluorescent lamps.
- 3) Open/Remove ballast wiring compartment cover.
- 4) Identify the line and neutral wires running from the breaker box to the ballast and confirm the power is off using a voltmeter.
- 5) Cut all wires connected to ballast, and remove ballast (and starter if present). Dispose of removed ballast and fluorescent lamps in accordance with government regulations in your area.
- 6) Ensure that the fixture contains non-shunted G13 bi-pin lamp holders (Fig. 1). If socket lamp holders are internally shunted, then replace with new non-shunted socket lamp holders. If socket lamp holders are shunted with a jumper wire, remove wire to convert into non-shunted sockets.

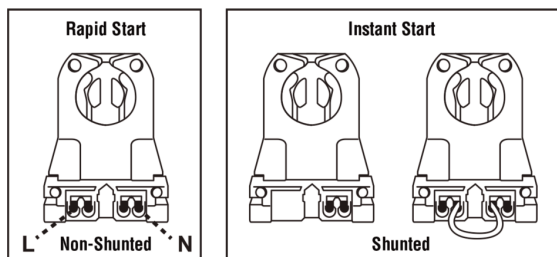


Fig:1 - Non-shunted & Shunted Lamp Holder

INSTALLATION INSTRUCTIONS (cont'd)

- 7) RAB LED T8 lamps are designed for single sided connections only (Fig. 2). To install, please wire non-shunted sockets by connecting one wire from the lamp holder to branch circuit L (LIVE) and the other wire at the opposite end to the branch circuit N (NEUTRAL). Do not connect opposite side to power. Use appropriate wires for connection.



Fig:2 - Single sided connection

INSTRUCTIONS

LED T8 tube series - Single Ended T8 Dimmable 120V



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

INSTALLATION INSTRUCTIONS (cont'd)

- 8) Make sure all sockets are replaced and wired according to the appropriate wiring diagram. (Fig. 3, 4, 5, 6).

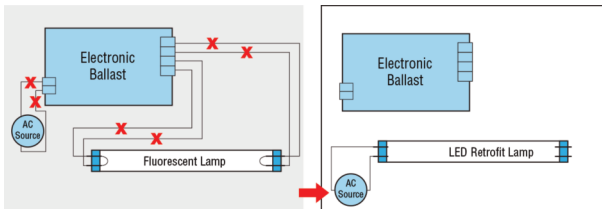


Fig:3 - Retrofit with One Lamp

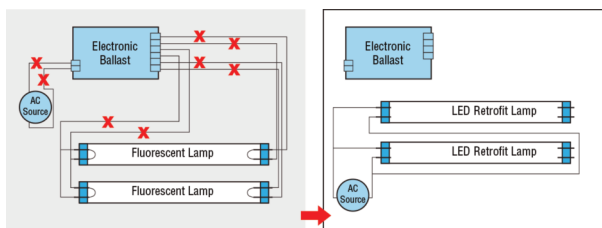


Fig:4 - Retrofit with Two Lamps

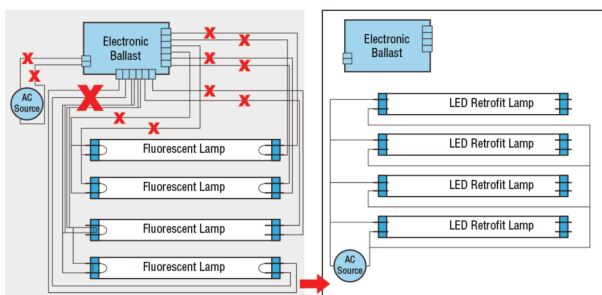


Fig:5 - Retrofit with Three/Four Lamps

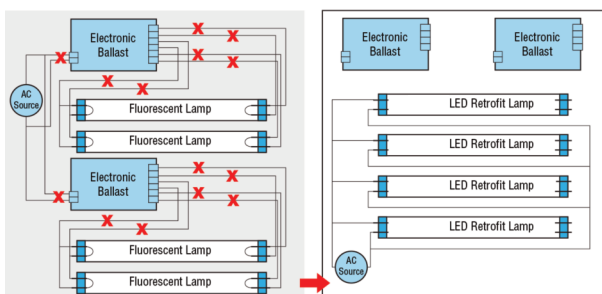



Fig:6 - Retrofit with Three/Four Lamps & Two Ballasts

INSTALLATION INSTRUCTIONS (cont'd)

- 9) Reinstall the ballast cover to hide all wires.
- 10) Install your new RAB LED T8 replacement lamps.
- 11) Apply Warning Label on a visible location inside the fixture.

REPLACEMENT LAMP:
T8 Dimmable Bypass Tube



RAB
RAB LIGHTING Inc.
Northvale, New Jersey 07647 USA
www.rablighting.com

⚠ THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE LED LAMPS. DO NOT ATTEMPT TO INSTALL OR OPERATE FLOURESCENT LAMPS IN THIS LUMINAIRE.

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

- 12) Reinstall lens or diffusion cover on the light fixture.
- 13) Turn power on at the breaker box.
- 14) Turn on the lights.

PRODUCT NOTES

The units covered by this report are intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires that use maximum four straight tubular lamps with or without a diffuser.

the minimum dimension of luminaries are tabulated below:

Part Number	Minimum Internal Compartment Dimensions [Length x Width x Height] [cm]
T10088 T8-14.5-48GC-8XX-SE-BYP-PDIM	121.5 X 60.5 X 10

Replace LED lamp only with model:T8-14.5-48GC-8XX-SE-BYP-PDIM. Manufactured by RAB Lighting Inc.

INSTRUCTIONS

LED T8 tube series - Single Ended T8 Dimmable 120V



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

WARRANTY

This product is warranted for 5 years from the date of purchase. If this product does not perform to the specifications supplied on this package, send an email or write to the address below for product return and replacement. This replacement is the sole remedy available. Liability for incidental or consequential damage is expressly excluded.

WARNING

RISK OF SHOCK-DISCONNECT POWER BEFORE INSTALLATION.

RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRE ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION AND CONTACT A QUALIFIED ELECTRICIAN.

RISK OF FIRE OR ELECTRIC SHOCK. PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE OR YOUR LOCAL ELECTRICAL CODE. IF YOU ARE NOT FAMILIAR WITH THESE CODES AND REQUIREMENTS, CONTACT A QUALIFIED ELECTRICIAN.

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

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.

TO AVOID POTENTIAL FIRE OR SHOCK HAZARD, DO NOT USE THIS RETROFIT KIT IN LUMINAIRE EMPLOYING SHUNTED BI-PIN LAMPHOLDERS. NOTE: SHUNTED LAMP HOLDERS ARE FOUND ONLY IN FLUORESCENT LUMINAIRE WITH INSTANT-START BALLASTS. INSTANT-START BALLASTS CAN BE IDENTIFIED BY THE WORDS "INSTANT START" OR "I.S." MARKED ON THE BALLAST. THIS DESIGNATION MAY BE IN THE FORM OF A STATEMENT PERTAINING TO THE BALLAST ITSELF, OR MAY BE COMBINED WITH THE MARKING FOR THE LAMPS WITH WHICH THE BALLAST IS INTENDED TO BE USED, FOR EXAMPLE F40T12/IS. FOR MORE INFORMATION, CONTACT THE LED LUMINAIRE RETROFIT KIT MANUFACTURER.

WARNING (cont'd)

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.

RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN INSTALLING OF RETROFIT KIT HARDWARE. CHECK FOR ENCLOSED WIRING AND COMPONENTS.

RISK OF FIRE OR ELECTRIC SHOCK. CHECK THE EXISTING WIRING FOR DAMAGE BEFORE INSTALLING UPGRADE KIT. DO NOT INSTALL IF EXISTING WIRES ARE DAMAGED.

"THIS LUMINAIRE HAS BEEN MODIFIED AND CAN NO LONGER OPERATE THE ORIGINALLY INTENDED LAMP," SHALL BE MARKED ON THE RETROFIT LUMINAIRE WHERE READILY VISIBLE BY THE USER DURING NORMAL MAINTENANCE INCLUDING LAMPING.

LAMPS ARE DIMMABLE AT 120V WITH COMPATIBLE DIMMER. VISIT WWW.RABLIGHTING.COM TO CHECK THE COMPATIBLE DIMMERS ON THE DATA SHEET

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.



© 2018 RAB LIGHTING Inc.
Northvale, New Jersey 07647 USA
LED T8 tube series
Single Ended T8 Dim 120V

Easy Answers

rablighting.com
Visit our website for product info

Tech Help Line
Call our experts: 888 722-1000

e-mail
Answered promptly - sales@rablighting.com

Free Lighting Layouts
Answered online or by request

RAB WARRANTY: RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.