

INSTRUCTIONS

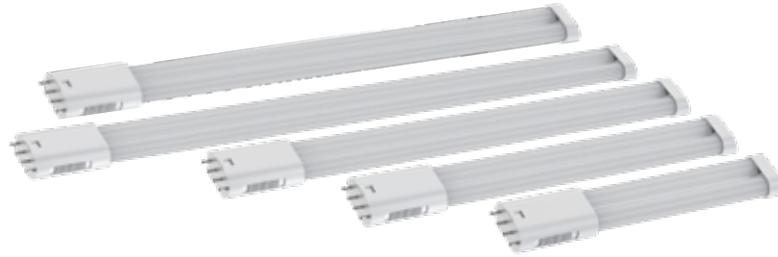
PLL HYBRID INSTALLATION



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

**** DON'T TOSS IT! RECYCLE IT! MAKE THE SUSTAINABLE CHOICE BY RECYCLING THIS FIXTURE AT END OF LIFE WITH A LICENSED RECYCLING PROVIDER. ****

PLL-22-8FA-HYB
PLL-15-8FA-HYB
PLL-14-8FA-HYB
PLL-10-8FA-HYB
PLL-8-8FA-HYB



IMPORTANT

READ CAREFULLY BEFORE INSTALLING LAMPS. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RAB lamps 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.

WARNING - Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaire electrical systems. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.

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

WARNING - Risk of fire or electric shock. Luminaire wiring and electrical parts may be damaged when drilling for installation of LED retrofit kit. Check for enclosed wiring and components.

Disconnect power at the source before installation, inspection or removal. Do not simply switch off fixture.

This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.

This lamp is not compatible with all ballasts. Before replacing existing fluorescent lamps, check compatibility of LED lamps and luminaire ballast. Not intended for use with emergency exit fixtures or emergency exit lights.

Not for use with luminaire ballast. Do not use if product is damaged.

Dimmable only on 0-10V dimmers (when Type A use and installed with a compatible 0-10V dimmable ballast). This lamp might not be compatible with all dimmers.

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

"This luminaire has been modified to operate LED lamps" shall be marked on the retrofit luminaire where readily visible by the user during normal maintenance including re-lamping.

Risk of fire or electric shock. Do not open or modify. No user serviceable parts inside.

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

SUITABLE FOR DAMP LOCATIONS. Suitable for use in wet locations when used in an outdoor-rated fixture. Not for use where directly exposed to the weather or water.

Complies with Part 15 of FCC. 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.

No external weight or mechanical force should be applied to tube or components.

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

Models are intended to retrofit surface-mount, Type IC or non-IC recessed mount UL Listed fluorescent luminaires that use maximum three lamps with or without a diffuser.

Note: These instructions do not cover all details or variations in equipment nor do they provide for every possible situation during installation, operation or maintenance.

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Minimum luminaire dimensions

Model Number		PLL-8-8FA-HYB	PLL-10-8FA-HYB	PLL-14-8FA-HYB
Lamp compartment of Luminaire, overall dimensions	Length	17-5/16"	17-5/16"	24-3/16"
	Width	5-1/2"	5-1/2"	23-13/16"
	Height	3-15/16"	3-15/16"	4-1/8"
Maximum Lamps in Luminaire		2	2	3
Lampholder-to-Lampholder Spacing		3/8"	3/8"	3-3/8"

Model Number		PLL-15-8FA-HYB	PLL-22-8FA-HYB
Lamp compartment of Luminaire, overall dimensions	Length	24-3/16"	24-3/16"
	Width	23-13/16"	23-13/16"
	Height	4-1/8"	4-1/8"
Maximum Lamps in Luminaire		3	3
Lampholder-to-Lampholder Spacing		3-3/8"	3-3/8"

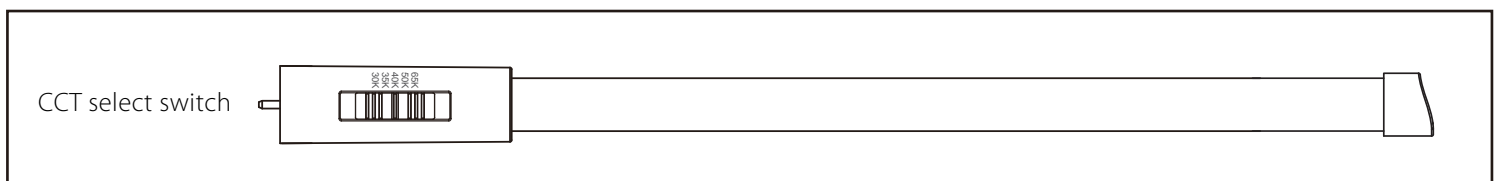
TYPE A: LED TUBE INSTALLATION GUIDE

1. Switch-off power to luminaire.
2. Remove the cover lens (*if provided*).
3. Carefully remove all existing CFL lamps from luminaire. Note: Verify that the ballast is compatible with LED PLL lamps, see the ballast compatibility list.
4. Confirm the lampholder has a 2G11 socket.
5. Adjust the CCT select switch to proper CCT position (*Do not adjust the CCT select switch when power on*).
6. Insert the LED PLL lamp into the open socket within the fixture. Ensure pins are firmly seated in the lampholder.
7. Switch on power to luminaire and installation is now complete.

TYPE A LAMP - Intended for direct substitution of a fluorescent lamp and operating from the integral ballast without any modifications to the fluorescent luminaire.

TYPE B: LED TUBE INSTALLATION GUIDE

1. Read all WARNINGS before continuing this section.
2. Make sure POWER IS TURNED OFF at the source to the location at which you are installing the product.
3. Remove lens, cover and fluorescent tubes. Cut away all wires connecting the ballast.
4. Make sure to connect the line (L) and neutral (N) to the corresponding ends of the tube marked L and N.
5. Adjust the CCT select switch and Power select switch to proper positions.
(*Do not adjust the CCT and power select switch when power on*).
6. Follow wiring diagrams for number of lamps and original ballast type.
7. Visibly affix the "Modification Sticker" to the fixture and reinstall housing cover and lens if applicable.
8. Return power back to the source and installation is complete.



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WIRING DIAGRAM FOR TYPE B USE

Fig: 1 1 LAMP

Cut all wires that connect ballast. Cut wire away from lampholder

Rewire power source directly to wires leading to lampholders

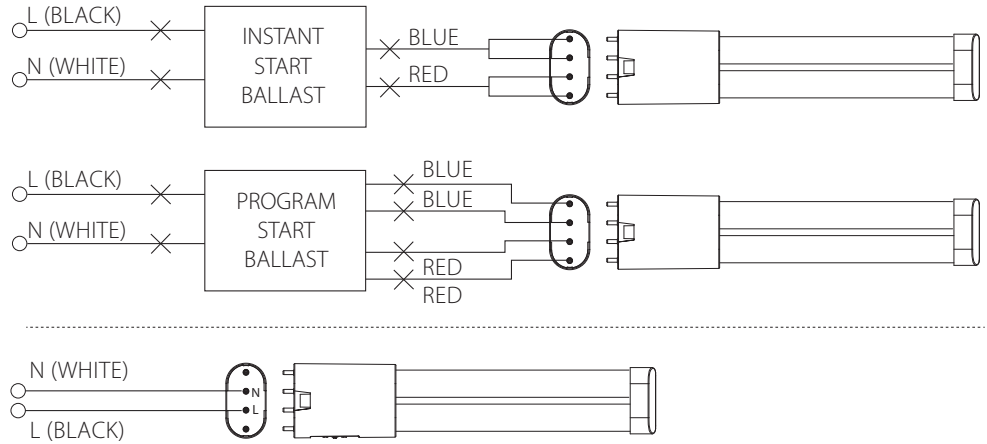


Fig: 2 2 LAMPS

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Rewire power source directly to wires leading to lampholders

