INSTRUCTIONS
PLS 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. **

PLS-3.5-H-8XX-HYB
PLS-3.5-H-8FA-HYB-G23
PLS-5.2-H-8XX-HYB
PLS-5.2-H-8FA-HYB-GX23

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. If not qualified,do not attempt installation. Contact a qualified electrician. Installation should be performed only by a qualified electrician in accordance with the National Electrical Code and relevant local code.
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. 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.
Installers should not disconnect existina 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.
WARNING: To avoid potential fire or shock hazard, do not use this retrofit kit in luminaires employing shunted bi-pin lampholders. Note: Shunted lamp holders are found only in fluorescent luminaires 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 inthe 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.

CAUTION: RISK OF FIRE. IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.
THIS LAMP ONLY OPERATES ON MAGNETIC BALLASTS. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.
Disconnect power at the source before installation, inspection or removal. Do not simply switch off fxture. This item is rated at 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.
THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.
Do not use if product is damaged. This lamp is non-dimmable. Not for use with dimmers.
"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 fxture. 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 lamp or components.
THE RETROFIT ASSEMBLY IS ACCEPTED AS ACOMPONENT OF ALUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY UL OR AUTHORITIES HAVING JURISDICTION.

EXAMINE LUMINAIRE FOR DAMAGE BEFORE INSTALLING LED LAMP. IF LAMPHOLDERS OR OTHER PARTS ARE VISIBLY DAMAGED CONTACT A SERVICE PERSON. DO NOT MIX FLUORESCENT AND LED LAMPS IN THE SAME LUMINAIRE UNLESS BALLAST IS MARKED FOR THIS PURPOSE.

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DO NOT INSTALLTHIS LAMP IN A PRE-HEAT LUMINAIRE.
WHEN DIRECT REPLACEMENT FOR SPECIFIC FLUORESCENT LAMPS, THIS LAMP ONLY OPERATES ON MAGNETIC BALLASTS.
IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation,If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
Reorient or relocate the receiving antenna.
Increase the separation between the equipment and receiver.
Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
Consult the dealer or an experienced radio/TV technician for help.

NOTE:
PLS-3.5-H-8XX-HYB, PLS-3.5-H-8FA-HYB-G23:
This retroft kit is for a 2 PIN MOUNT and can replace 5W,7W and 9W CFL lamps with G23 bases.
PLS-5.2-H-8XX-HYB, PLS-5.2-H-8FA-HYB-GX23:
This retroft kit is for a 2 PIN MOUNT and can replace 13W CFL lamps with GX23 bases.
This lamp is non-dimmable. Not for use with dimmers.
Operates on direct line votlage or compatible magnetic ballast.
This lamp is not compatible with luminaires that use a remote starter.
Suitable to replace compact fuorescent lamps as specifed on the product label.

INSTALLATION

1. Read all WARNINGS before continuing this section. Ensure fixture is 120-277V.
2. Make sure POWER IS TURNED OFF AT THE SOURCE.
3. Remove lens if applicable, remove cover and fluorescent lamp.
4. Switch off power to the luminaire for installation or maintenance.
5. Before rewiring, check the ballast type and refer to the relevant diagram.
6. Before rewiring, please check the number of lamps per fixture and refer to the relevant diagram
7. If fixture is new without ballast, please refer to Fig 1.
8. If fixture ballast type is magnetic please refer to Fig 2.
9. If fixture ballast type is magnetic please refer to Fig 3, installation without wiring modification.
10. This device is powered by two pins; Install lamp into the wired lampholder end.
11. Visibly affix "Modification Sticker" and reinstall housing cover and lens if applicable.
12. Select desired color temperature. *(Do not select when power on)*.
13. Return power back to source and installation is now complete.

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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WIRING DIAGRAM

Fig: 1 New fixture without ballast wiring

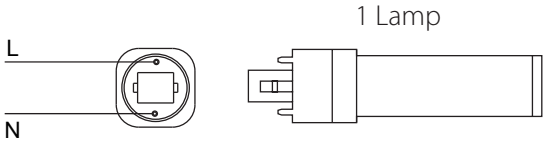


Fig: 2 Magnetic ballast fixture without wiring modification

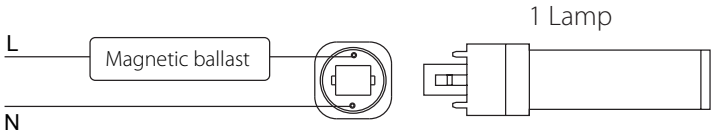
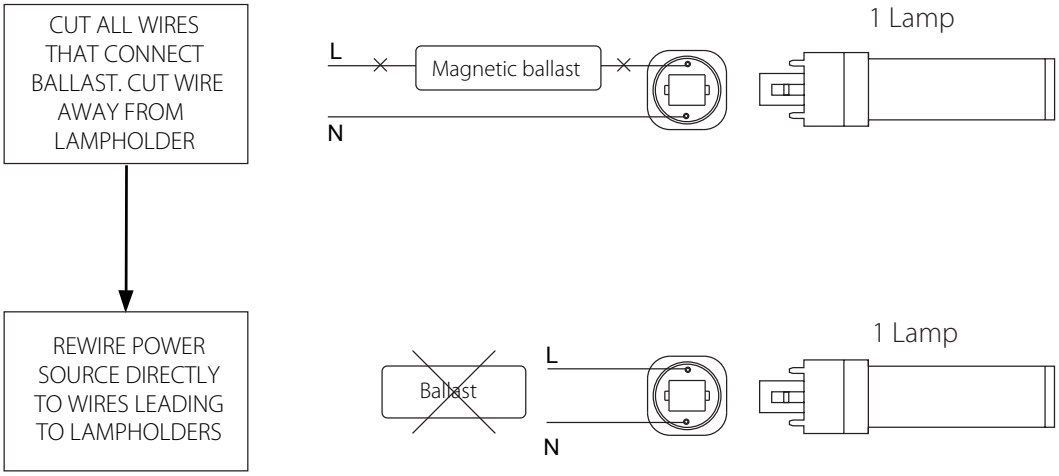


Fig: 3 Magnetic ballast fixture wiring modification



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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

PLSH8FA-IN-0426
P-101399

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