DOUBLE TUBE PLUG-IN INSTALLATION GUIDE

PL9O-8XX-HYBM-2P-LED
PLD5O-8CS-HYB-G24D-LED2
PLD9O-8CS-HYB-G24D-LED2
PLD5O-827-HYB-GX23-LED2
PLD5O-8CS-HYB-GX23-LED2
PLD7O-8CS-HYB-GX32-LED2
PLD9O-8CS-HYB-GX32-LED2

Pictures are for illustration purposes only.
Your model may vary.

General Safety Information

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

CAUTION:

- 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 SUPER SEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.
- 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.
- DO NOT INSTALLL THIS LAMP IN A PRE-HEAT LUMINAIRE.
- DO NOT USE IF PRODUCT IS DAMAGED.
- THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS OR EMERGENCY LIGHTS.
- Disconnect power at the source before installation, inspection or removal. Do not simply switch off fixture.
- This item is rated for 120-277V. Installer must determine whether line voltage 120-277V is available at the luminaire before installation.
- 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 electrician during normal maintenance including re-lamping.
- Risk of fire or electric shock. Do not open or modify. No user serviceable parts inside.
- SUITABLE FOR DAMP LOCATIONS. Not for use where directly exposed to the weather or water.
- 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 operate.
- SUITABLE FOR "TYPE NON-IC" RECESSED LUMINAIRES WITHOUT DIFFUSER.
- No external weight or mechanical force should be applied to lamp or components.
  RISK OF FIRE. IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT THE MANUFACTURER.

NOTES:

- This retrofit may be used in fixtures with 2 pin or 4 pin sockets and can replace 13W, 18W, 20W, 26W, 27W CFL lamps with G24q, GX24q, GX32, GX23, G24d and GX24d bases.

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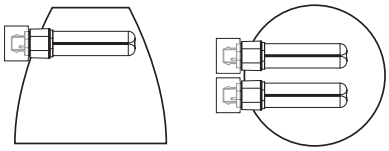
PLD9O-8CS-HYB-GX32-LED2

Compartment Dimension

Please make sure the minimum dimensions of the lamp compartment in the non-enclosed fixture meet the below guidelines.

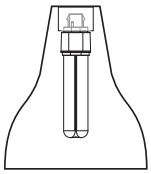
Non-enclosed Fixture Horizontal Installation



Front view Bottom view

Model Number		PL9O-8XX-HYBM-2P-LED * PLD5O-827-HYB-GX23-LED2 PLD9O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-GX23-LED2	PLD7O-8CS-HYB-GX32-LED2 PLD9O-8CS-HYB-GX32-LED2
Fixture Dimension	Diameter	6.30in	7.87 in
	Height	4.72 in	5.91 in
Maximum Lamps in Fixture		2	2
Lampholder-to-Lampholder Spacing		0.98 in	6.30 in

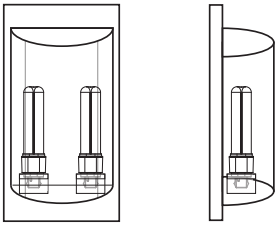
Non-enclosed Fixture Vertical Installation



Front view

Model Number		PL9O-8XX-HYBM-2P-LED * PLD5O-827-HYB-GX23-LED2 PLD9O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-GX23-LED2	PLD7O-8CS-HYB-GX32-LED2 PLD9O-8CS-HYB-GX32-LED2
Fixture Dimension	Diameter	6.10 in	6.10 in
	Height	7.87 in	7.87 in
Maximum Lamps in Fixture		1	1
Lampholder-to-Lampholder Spacing		N/A	N/A

Enclosed Fixture Installation



Front view Side View

Model Number		PL9O-8XX-HYBM-2P-LED * PLD5O-827-HYB-GX23-LED2 PLD9O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-G24D-LED2 PLD5O-8CS-HYB-GX23-LED2	PLD7O-8CS-HYB-GX32-LED2 PLD9O-8CS-HYB-GX32-LED2
Fixture Dimension	Length	11.81 in	11.81 in
	Width	6.31 in	6.31 in
	Height	2.75 in	2.75 in
Maximum Lamps in Fixture		2	2
Lampholder-to-Lampholder Spacing		1.87 in	1.87 in

* Where 8XX means 830/835/840/850 which indicates CRI and color temperature.

Installation Instructions

01. Read all WARNINGS before continuing this section.
02. Ensure fixture is powered by 120-277V.
03. Make sure POWER IS TURNED OFF AT THE SOURCE.
04. Remove lens if applicable, remove cover and fluorescent lamp.
05. Before rewiring, check the ballast type and refer to the relevant diagram.
06. Before rewiring, check the number of lamps per fixture and refer to the relevant diagram.
07. If fixture is new without ballast please refer to Fig.1.
08. If fixture ballast type is electronic please refer to Fig. 2.
09. If fixture ballast type is magnetic please refer to Fig. 3.
10. This device is powered by two pins; Install lamp into the wired lampholder end.
11. Visibly affix 'Modificion 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 once installation is complete.

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General Wiring Diagrams

Fig:1 - New fixture without ballast wiring (Type B)

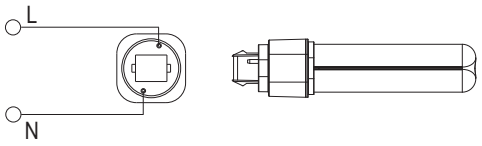


Fig:2 - Electronic ballast fixture wiring (Type B)

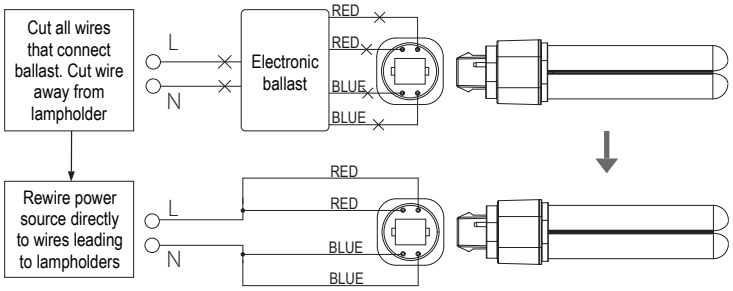
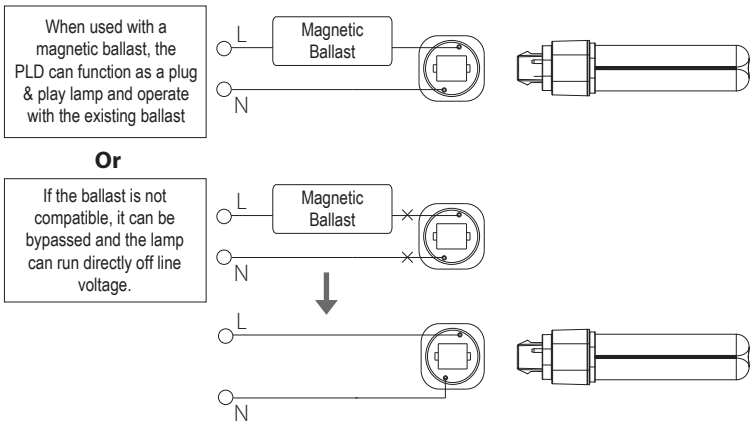


Fig:3 - Magnetic ballast fixture wiring modification (Type A or Type B)



Warranty Information:

This product is warranted for five 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.

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