

# Type A LED PL Retrofit Lamp Installation Instructions

## INSTRUCTION

Thank you for selecting LED PL retrofit Lamp. Please install and use the product according to the instructions below to ensure the correct installation and function of our LED product. Failure to follow these instructions will void your warranty. We take no responsibility for inappropriate use and/or installation of the product, and for any associated damage caused by such actions.

Type A LED PL retrofit lamps can be used as a replacement for 4-pin compact fluorescent bulbs (CFLs) and compatible with electrical ballasts. Installation can be direct plug-and-play with a working and compatible ballast (list below),

## Warnings

- LED RETROFIT LUMINAIRE CONVERSION FOR USE ONLY WITH PRODUCTS DESCRIBED AND INSTALLED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH THIS RETROFIT KIT.
- 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 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. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- WARNING - To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- WARNING - 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.

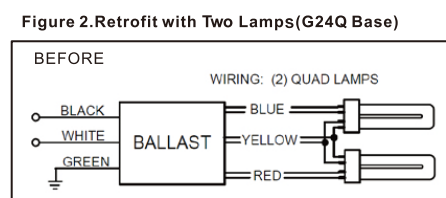
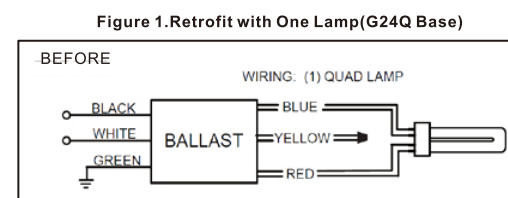
THIS RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION.

- The units covered by this report were intended to retrofit surface mount, Type IC or non-IC recessed mount Listed fluorescent luminaires all Models except for Model of Horizontal that uses maximum two lamps, with the two lamps spaced 1 mm minimum apart. The minimum lamp compartment dimensions are tabulated below. Model of Vertical that uses only one lamp, and the lamp compartment dimensions are tabulated below.

Model	MINIMUM LAMP COMPARTMENT DIMENSIONS [Diameter× Height] [mm] (inch)
Horizontal Lamp	190*170 mm (7.5"X6.7")
Vertical Lamp	145*190 mm (5.7"X7.5")

- 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 electronic ballasts. If lamp does not light when the luminaire is energized, remove lamp from luminaire and contact lamp manufacturer or qualified electrician. NOT FOR USE WITH DIMMERS. THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

### Direct plug-and-play with ballast:



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## Compatible Ballasts List:

Ballast Description			Compatibility Test Result			
Electrical Characteristic			1-Lamp		2-Lamp	
Brand	Model	Volt	120 VAC	277 VAC	120 VAC	277 VAC
LUMA PRO	16X954	120-277V	✓	×	✓	✓
LUMA PRO	4KGJ7	120-277V	✓	✓	✓	✓
LUMA PRO	4KGJ8	120-277V	✓	✓	✓	✓
LUMA PRO	16X959	120-277V	×	×	✓	✓
Universal/Triad	C213UNVME	120-277V	✓	✓	✓	✓
Universal/Triad	C218UNVME	120-277V	✓	✓	✓	✓
Universal/Triad	C242UNVME	120-277V	✓	×	✓	✓
Universal/Triad	C2642UNVME	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/13CF/MV	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP2/18CF/MV	120-277V	✓	✓	✓	✓
HOWARD INDUSTRIES	EP/2/26CF/MV/2	120-277V	✓	✓	✓	✓
GE	GEC218MVPSBES	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S18-H1-LD	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S26-H1-LD	120-277V	✓	✓	✓	✓
PHILIPS/ADVANCE	ICF-2S42-M2-LD	120-277V	✓	×	✓	✓
PHILIPS/ADVANCE	ICF-2S13-H1-LD	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP1/2X18CF/UNVDM	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP2X26CF/UNVDM	120-277V	✓	✓	✓	✓
ORSRAM/SYLVANIA	QTP1/2X13CF/UNVDM	120-277V	✓	✓	✓	✓
HATCH	HC226PS/UV/D	120-277V	✓	✓	✓	✓
CH	ACT2S26PSUNV	120-277V	✓	✓	✓	✓
STANDARD	31279STD	120-347V	✓	✓	✓	✓
STANDARD	31527STD	120-347V	×	✓	×	✓
KEYSTONE	KTEB-213-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-218-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-226-UV-PS-DW	120-277V	✓	✓	✓	✓
KEYSTONE	KTEB-218-UV-RS-DW	120-277V	✓	✓	✓	✓
FULHAM	RHAUNV226C	120-277V	×	×	✓	✓
FULHAM	WH2120L	120-277V	✓	×	✓	×
FULHAM	WH2120C	120-277V	✓	×	✓	×
FULHAM	RHAUNV213C	120-277V	×	×	✓	✓
FULHAM	RHA-UNV-218-C	120-277V	×	×	✓	✓
FULHAM	WH3-120-C	120-277V	✓	×	✓	×
FULHAM	WH3-277-L	120-277V	×	✓	×	✓
FULHAM	WH4-277-L	120-277V	×	✓	×	✓
FULHAM	RHA-UNV-242-C	120-277V	×	×	✓	✓

### Remarks:

Manufacturer of LED Type A PL G24Q Lamps has a limitation of compatibility, not compatible with ALL ballasts, they were tested for compatibility with the above listed electronic ballasts. Ballasts that do not appear on the chart might still be compatible but have not been tested. It is a general recommendation to perform a test on-site before installing the LED lamps.