



Installation Instruction



Warning: Important Safety Instructions. Risk of Fire or Electric Shock. Read and Understand ALL Installation Instructions before installing or relamping LED PL Lamp or LED Bulb.

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.

- SUITABLE FOR DAMP LOCATIONS
- RISK OF ELECTRIC SHOCK - DO NOT USE WHERE DIRECTLY EXPOSED TO WATER. NON-SUBMERSIBLE (NOT WATER TIGHT).
- NOT FOR USE IN TOTALLY ENCLOSED LUMINAIRES
- NOT FOR EMERGENCY LIGHTING OR FOR USE IN EMERGENCY EXIT FIXTURES

Before conducting any Inspection, Installation, Maintenance, or Removal, Disable all Power to the Luminaire. Failure to do so will create a hazardous and potentially fatal working environment. LED Lamp /Bulb are designed to work off 120V to 277V AC., LED Lamp/Bulb are compatible with Electronic Ballasts.

Failure to follow instructions can result in a damaged product and will **VOID** Warranty. It could also result in an electric shock or fire. DO NOT Remove Cover. No User-Serviceable Parts inside.

Thank you for purchasing the LED Lamp/Bulb and investing in the future of eco-friendly products. By selecting the LED Lamp/Bulb, you have chosen a high-quality eco-friendly product that is designed for years of dependable performance. We trust you will experience years of reliable service from it.

This guide explains the necessary steps to install LED Lamp/Bulb in a Luminaire. This guide is for reference only and is intended for qualified electricians or lighting technicians who are familiar with the construction and operation of the product and the hazards involved. This product should only be installed by a qualified electrician or a lighting technician, and in accordance with all the applicable local and/or national electrical installation codes. Failure to do so may result in serious personal injury.

Wiring modification for LED Lamp/Bulb installation requires knowledge of luminaire electrical systems. If not qualified, DO NOT attempt installation – Contact a qualified electrician or a lighting technician.

- The installer must determine and verify whether 120V to 277V AC is being utilized at the Luminaire before installation. Improper voltage matching can result in performance degradation and/or physical damage. These lamps work on line voltage and require all Ballasts and Starters to be bypassed.
- Operate in fixtures that provide the free flow of air around the Lamp/Bulb. This will ensure lumen maintenance and extend its working life. When products are used in outdoor fixtures, ensure the space is waterproof and well-ventilated.
- Luminaire wiring, ballast, or other electrical parts may be damaged when installing. Always check for enclosed wiring and components.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not block light emanating from product in whole or part, as this may cause an unsafe condition.
- The end retrofit fixture, once modified, can no longer operate as was originally intended.

4-pin G24 bases listed below:

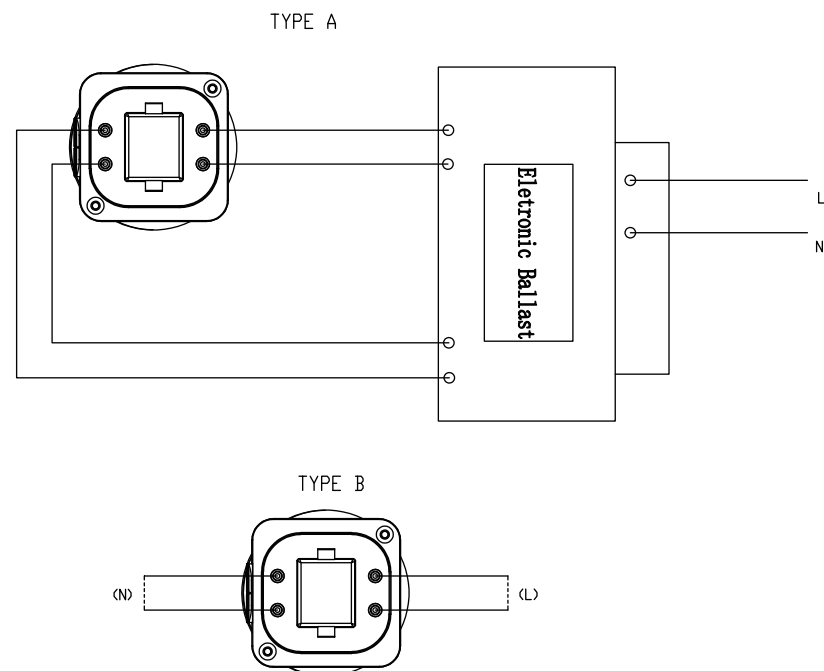
- G24q
- G24q-1
- G24q-2
- G24q-3

Input Voltage (V)	100-277V, AC, 50/60 Hz.
Beam Angle	120° (Plug-in & Vertical Lamp) 360° (Omni-Bulb)
Efficacy	105~120 lpw
CRI	>80
THD (%):	<20%
Ingress Protection	IP 20
Ambient Working Temperature	-4°F~104°F (-20°C ~ +40°C)

Installation Instructions:

1. Ensure Breaker is turned-off and no Power is going to the Luminaire.
2. Unplug CFL or Incandescent Bulb and Recycle in accordance to the applicable local Recycling Laws.
3. Open/Access the Ballast compartment and disconnect the Ballast from the AC Mains and the Socket.
4. Connect the wires as shown in the wiring diagram below. Note: 2-pin and 4-pin sockets have different wiring configurations.
 - a. The G24q Lamp/Bulb has 4-Pins , it is designed to work with 4 pin lamp holders.
 - b. To avoid the risk of electric shock, do not connect the "L" and "N" wire together.
 - c. Use approved electrical insulating tape or wire caps to ensure that all the cut wires are well-insulated or capped. An exposed energized wire is an Electrical Shock and a Fire Hazard.
5. Close Ballast compartment or Junction Box.
6. Apply the "Cautionary Label" where it can be seen by anyone installing or maintaining a Lamp/Bulb.
7. Plug-In LED G24 Lamp/Bulb and rotate to position desired.
8. After installation is complete, turn Breaker back on and switch on Power.

Wire Diagram



OBC&VLC TYPE A+B Ballast Compatibility Testing Power Supply Parameter Testing Report (B63 15W)									
No.	Ballast Brand	Model No.	Start Type	Compatible (Y/N/N/A)					
				1 LAMP			2 LAMPS		
				120VAC	277VAC	347VAC	120VAC	277VAC	347VAC
1	HOWARD	EP2/26CF/MV/2	Program Start	N	Y	N/A	N	Y	N/A
2	PROLUME	EP2CF26PS/MV/DC/K	Programmed Start	N	Y	N/A	N	Y	N/A
3	KEYSTONE	KTEB-226-UV-RS-DW	Rapid Start	Y	Y	N/A	Y	Y	N/A
4	GE PROLINE	GEC226-MVPS-3W-L	Programmed Start	Y	Y	N/A	Y	Y	N/A
5	OSRAM SYLVANIA	QTP 2x26CF/UNV DM	Programmed Rapid Start	Y	Y	N/A	Y	Y	N/A
6	TOPAZ	B2642UNV/ME-TPZ	Program Start	Y	N	N/A	Y	Y	N/A
7	TRIAD	C2642/347ME	Programmed Rapid Start	N/A	N/A	Y	N/A	N/A	Y
8	TRIAD	C2642UNVME	Programmed Rapid Start	Y	Y	N/A	Y	Y	N/A
9	OSRAM SYLVANIA	QTP 2x26CF/UNV DM	Programmed Rapid Start	Y	Y	N/A	Y	Y	N/A

*The listed ballasts are our current models. If yours isn't listed, it doesn't necessarily mean incompatibility. Please send us your model for confirmation.

*The presence of a ballast on this chart is not a guarantee of the compatibility of the bulb in any particular installation. Absence of a ballast on this chart does not imply incompatibility. Please reference the ballast manufacturer's instructions for installation and further information