

INSTALLATION INSTRUCTIONS FOR LED PLUG-IN LAMPS

IMPORTANT SAFEGUARDS



READ CAREFULLY BEFORE INSTALLING LAMPS.

RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.

CAUTION – IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT THE MANUFACTURER.

WARNING – Risk of fire or electric shock. 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.

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 lamp does not exceed the input rating of the luminaire.

WARNING – 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.

WARNING – Do not use if product is damaged.

WARNING – Risk of fire. do not install in a pre-heat luminaire.

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

WARNING – DO NOT make or alter any open holes in an enclosure of wiring or electrical components during installation.

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

WARNING – Existing fluorescent bulbs contain hazardous substances. Do not break the bulbs. Safety glasses and gloves are recommended.

WARNING – “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.

- RATED AT 100-277VAC LINE VOLTAGE.
- NOT FOR USE WITH LUMINAIRE BALLAST. BYPASS OPERATION IS NEEDED.
- NOT INTENDED FOR USE IN TOTALLY ENCLOSED FIXTURES.
- NOT INTENDED FOR USE WITH EMERGENCY EXITS OR EMERGENCY EXIT LIGHTS.
- NOT INTENDED FOR USE WITH DIMMERS.
- NOT INTENDED FOR USE WITH PHOTO CONTROLS, TIMERS, 3 WAY SOCKETS AND MOTION CONTROL DEVICES.
- NOT FOR USE WHERE DIRECTLY EXPOSED TO THE WEATHER OR WATER.
- SUITABLE FOR DRY AND DAMP LOCATIONS.
- SUITABLE FOR USE IN WET LOCATIONS WHEN USED IN AN OUTDOOR-RATED FIXTURE.
- SUITABLE FOR USE IN OPEN, SEMI ENCLOSED OR RECESSED FIXTURES.
- OPERATING TEMP.: -25°C ~ +40°C (-4°F ~ +104°F)

This product is intended to retrofit Type IC or non-IC recessed mount listed luminaires with instructions to remove the existing trim. The fixture must have clearance to accept this bulb.

Wattage	Base Type	Voltage	Acceptable Fixtures	Lamp Dimension
6W	G23/GX23/G24d/G24q/GX24q	100-277VAC	Open, semi-enclosed or recessed fixtures.	Height 5.4", Diameter 1.4"
8W	G23/GX23/G24d/G24q/GX24q	100-277VAC		Height 6.4", Diameter 1.4"
11W	G23/GX23/G24d/G24q/GX24q	100-277VAC		Height 7.3", Diameter 1.4"

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INSTALLATION INSTRUCTIONS

- THIS ITEM IS RATED AT 100-277V. INSTALLER MUST DETERMINE WHETHER LINE VOLTAGE 100-277V IS AVAILABLE AT THE LUMINAIRE BEFORE INSTALLATION.
- Ensure the light fixture is designed to accommodate a 2-pin diagonal or 4-pin G24 fluorescent bulb before installing.
- Ensure that the fixture is not an emergency battery supplied fixture. If it is an emergency battery supplied fixture, disconnect the battery.
- Ensure the socket it is in good working order, free of rust, corrosion, or wear.
- Measure the fixture aperture and lamp compartment to ensure there is sufficient clearance for the lamp once installed.

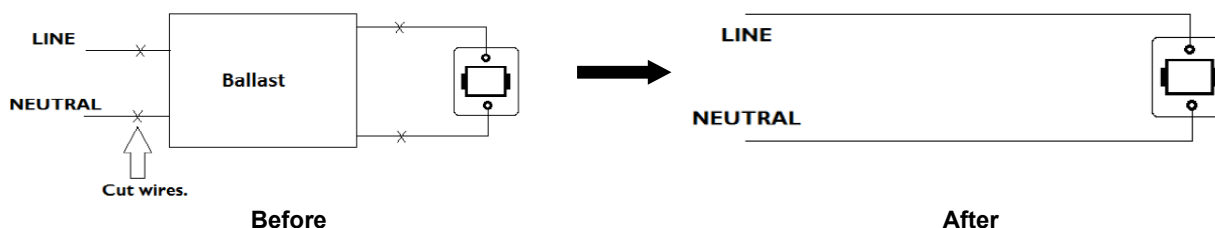
STEPS:

1. Turn off the circuit breaker and AC switch before working on the light fixture.
2. Remove any existing covers or trim pieces from the light fixture according to the light fixture manufacturer's instructions.
3. Carefully remove the existing fluorescent bulbs and dispose of them according to federal, state, and local laws, allowing sufficient time for the lamp to first cool.
4. Open the ballast compartment and remove the ballast.
5. Connect wires as shown in the wiring diagram. The 2-pin diagonal and 4-pin sockets have different wiring configurations. For the 4 Pin socket connect diagonally. Use wire caps on wires not used on 4 pin connections.
6. Close ballast compartment or junction box.
7. Install the new lamp in the light fixture. Rotate lamps to desired position.
8. Apply re-lamping label on a visible location inside the fixture. "THIS LUMINAIRE HAS BEEN MODIFIED AND CAN NO LONGER OPERATE THE ORIGINALLY INTENDED LAMP."
9. Turn on the circuit breaker and AC switch. Turn on the ON / OFF switch to verify proper operation.

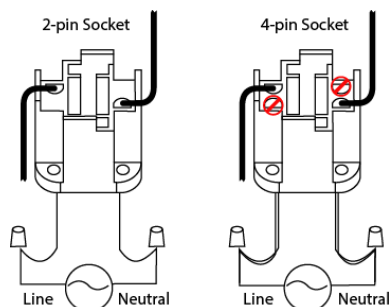
Make all electrical connections in accordance with the National Electrical Code and any applicable local code requirements inclusive of grounding.

WIRE DIAGRAM

Cut all wires that connected ballast. Cut wire away from lampholder. Rewire power source directly to wires leading to lampholder. Plug LED lamp into the socket. Do not reinstall housing cover or lens as product is not rated for enclosed fixtures.



The 2-pin diagonal and 4-pin sockets have different wiring configuration.



- For the 4 Pin socket connect diagonally.
- Use wire caps on wires not used on 4 pin connections.
- To avoid electric shock, do not connect the "line" and "neutral" wires together.
- Use approved wire caps or electrical tape to ensure that all cut wires are well insulated or capped.

If the lamp does not operate correctly, please contact the manufacturer.