

# Universal PL CFL Retrofit - Installation Instructions



| SKU          | Description                                   |
|--------------|---|
| LED-7322-27A | 7W Omni Directional G24d LED, 120-277V, 2700K |
| LED-7322-35A | 7W Omni Directional G24d LED, 120-277V, 3500K |
| LED-7322-40A | 7W Omni Directional G24d LED, 120-277V, 4000K |

## Contents:

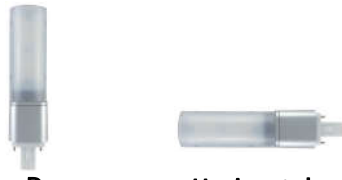
- 1 PC LED Retrofit lamp
- 1 PC Re-lamping label
- 1 PC Installation instructions

## Read this before you start installation:

1. To avoid possible electric shock, power supply must be turned off at fuse box or circuit breaker before installing or servicing.
2. Check your local electrical code. This code sets wiring standards for your area and should carefully studied before starting installation. High voltage wiring connecting the fixture must have a temperature rated minimum of 194°F.
3. Inspect existing fixture: Lamp is designed to operate two ways:
  - Existing 26W Magnetic Ballasts.






OR

  - 120-277VAC direct voltage – see instructions for wiring around ballast.
4. Once installed, if lamp strobos, flickers, or fails lamp is not compatible with existing ballast and ballast bypass is required.

| INSTALLATION REQUIREMENTS       |  |
|---------------------------------|--|
| Input Voltage                   | 120-277VAC<br>Line Voltage or Magnetic Ballast   |
| Frequency                       | 50/60Hz  |
| Lamp Holder                     | G24d, 2 pin base   |
| Approved Fixtures and Locations | <u>Indoor Luminaires</u><br>Recessed without cover or other open fixture   |
| Minimum Fixture Size            | 6" I.D. Recessed ceiling fixture   |
| Approved Lamp Orientations      |  <p style="text-align: center;">Base Down                      Horizontal</p> |
| Moisture Rating                 | UL approved for damp environments  |

## IMPORTANT SAFETY INSTRUCTIONS FOR LED RETROFIT CONVERSION:

FOR USE ONLY WITH PL/CFL LUMINAIRES IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED WITH THIS RETROFIT KIT.

-  **WARNING - RISK OF FIRE OR ELECTRICAL SHOCK.** LED retrofit kit installation requires knowledge of the existing luminaire's electrical design
-  **WARNING - RISK OF FIRE OR ELECTRICAL SHOCK.** Install this kit only in luminaires that have the features and dimensions shown in the requirements box.
-  **WARNING -** Do not make any alterations to the fixture or enclosure during kit installation.
-  **WARNING -** To prevent wiring damage or abrasion, do not expose wiring to sharp edges of housing or other sharp surface.
-  **WARNING -** SUITABLE FOR INDOOR LOCATIONS WITHIN OPEN, NON-COVERED LUMINAIRES.

**THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.**

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## Lamp Installation with MAGNETIC BALLAST :

- Step 1:** Disconnect Electrical Power to CFL fixture.
- Step 2:** Remove existing CFL/PL lamp from holder – Care should be taken when removing lamp to avoid breaking lamp globe.
- Step 3:** Verify that base of the removed lamp matches the intended LED replacement.
- Step 4:** Verify that the ballast is a 26W CFL magnetic ballast or equivalent.
- Step 5:** If ballast is operating multiple lamps, confirm that it is installed properly
- Step 6:** Install LED Lamp into lamp holder by aligning base and pins and pushing lamp into existing lamp holder
- Step 7:** Turn Power On – if lamp flickers, strobos or fails, lamp is incompatible with existing ballast and ballast must be bypassed (see instructions below)

## Lamp Installation with 120-277V Line Voltage (BYPASS BALLAST):

It is highly recommended that a licensed electrical contractor/electrician be used to install the LED retrofit lamp

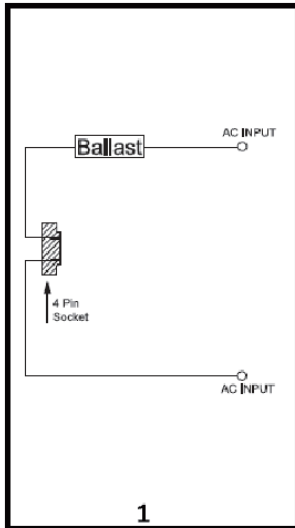
- Step 1:** Disconnect Electrical Power to CFL fixture.
- Step 2:** Remove existing CFL/PL lamp from holder.
- Step 3:** Verify that the base of the removed lamp matches the intended LED replacement.
- Step 4:** Access ballast box and remove existing ballast or wire past the PL/CFL ballast.
- Step 5:** Lamp can operate on any voltage from 120V through 277V  
Connect the two common wires from the power source directly to the corresponding leads to the socket. (see diagram below)
- Step 6:** Install LED Lamp into lamp holder by aligning base and pins and pushing lamp into existing lamp holder
- Step 7:** Apply the adhesive label to the inside of the luminaire where it will be visible during re-lamping.
- Step 8:** Turn on electrical power to the fixture.

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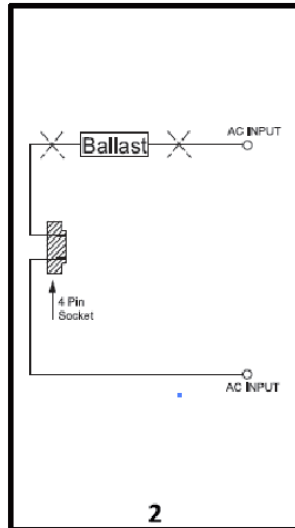
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## Wiring Diagram

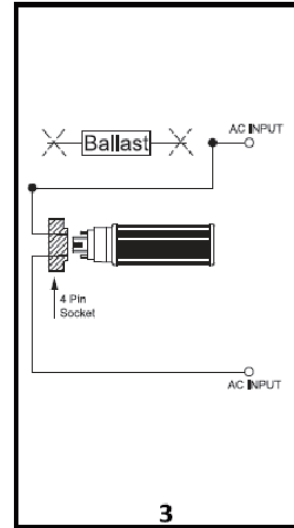
For direct line voltage 120-277V installations  
(bypassing existing ballast)



Before Rewiring

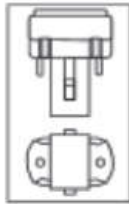
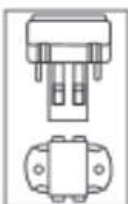
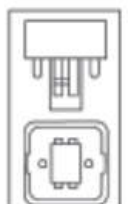
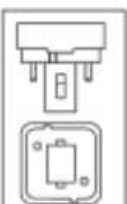
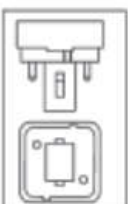
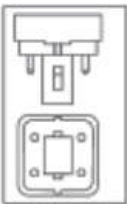
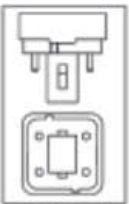
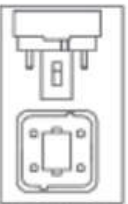
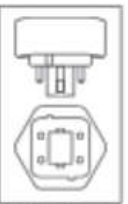
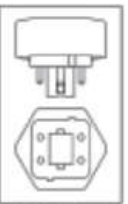
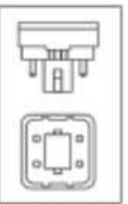


Disconnect and/or  
Remove Ballast



Socket Wiring Diagram

## PL Base Identifier

|               |   |   |   |  |  |
|---------------|---|---|---|--|--|
| PL Base Types | <br>G23    | <br>GX23   | <br>GX23-2 | <br>G24d-2  | <br>G24d-3  |
|               | <br>G24q-1 | <br>G24q-2 | <br>G24q-3 | <br>GX24q-2   | <br>GX24q-3 |
|               |   |   |   | <br>GX24q-4 |  |