

Installations Instructions



| SKU | Description |
|--------------|--|
| LED-7320-27A | 11W Omni Directional G24q LED, 120-277V, 2700K |
| LED-7320-40A | 11W Omni Directional G24q LED, 120-277V, 4000K |
| LED-7324-27 | 9W Horizontal G24q LED, 120-277V, 2700K |
| LED-7324-40 | 9W Horizontal G24q LED, 120-277V, 4000K |

Contents:

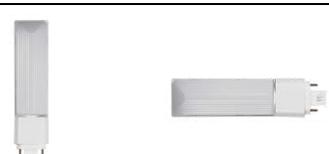
- 1 PCS LED Retrofit lamp
- 1 PCS Re-lamping label
- 1 PCS Installation instructions

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 Electronic Ballasts (see tested ballast list

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 in required.

| INSTALLATION REQUIREMENTS | |
|---------------------------------|---|
| Input Voltage | 120-277VAC (USA and Canada) Line Voltage or Ballast |
| Frequency | 50/60Hz |
| Lamp Holder | G24q-1, -2, or -3 (4 Pin base) |
| Approved Fixtures and Locations | <u>Indoor Luminaires</u> 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 dry environments |

IMPORTANT SAFETY INSTRUCTIONS FOR LED RETROFIT CONVERSION:

FOR USE ONLY WITH PL/CFL LUMINAIRES IN ACCORDANCE WITH THE INSRUCTIONS 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 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 sharp edges of housing or other sharp surface.
-  **WARNING -** Suitable for DRY LOCATIONS. SUITABLE FOR USE IN OPEN, NON COVERED LUMINAIRES.

THIS DEVICE IS NOT INTENDED FOR USE WITH EMERGENCY EXITS.

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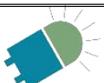
Lamp Installation with ELECTRONIC BALLAST :

- 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:** Existing lamp label should state 13W, 18W, 26W, 32W, or 42W PL/CFL LED replacement will not operate with lower wattage PL/CFL fixtures
- Step 5:** Verify that existing ballast is on the ballast compatibility chart or equivalent.
- Step 6:** Install LED Lamp into G type 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:** Access ballast box and remove existing ballast or wire past the PL/CFL ballast.
- Step 4:** 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 G type lamp holder by aligning base and pins and pushing lamp into existing lamp holder
- Step 5:** Apply the adhesive label to the inside of the luminaire where it will be visible during re-lamping.
- Step 6:** Turn on electrical power to the fixture.



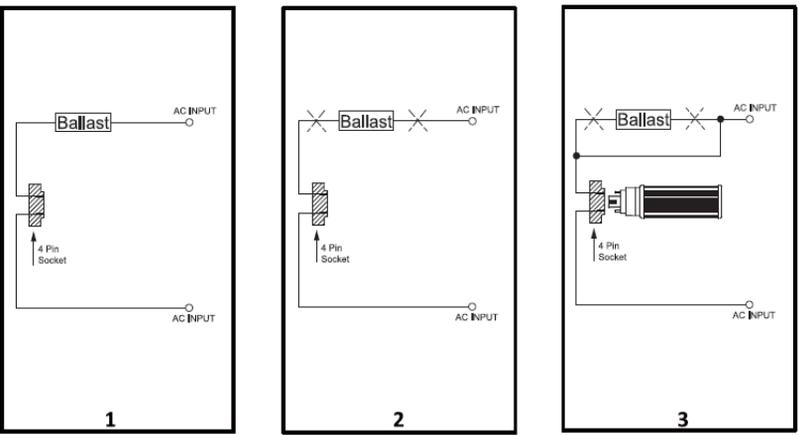
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Wiring Diagram

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



1 Before Rewiring 2 Disconnect and/or Remove Ballast 3 Socket Wiring Diagram

Compatible Electronic Ballasts

- *Compatible Electronic Ballasts:**
- Philips Advance ICF-2S26-H1-LD
 - Philips Advance ICF-2S42-M2-LD
 - Philips Advance ICF-2S18-HA-LD
 - Philips Advance REB-2S13-M6-EL
 - Hatch HC213PS/UV/D
 - Hatch HC218PS/UV/D
 - Triad C213UNVME
 - Triad QTP 2x26DF/UNV DM
 - Pony NPY-120-126-BLS
 - Fulham Workhorse2 WH2-277-L
 - Fulham Workhorse2 WH2-120-L
- Note: Ballast list not all-inclusive, other electronic ballasts most likely will be compatible with Universal PL Retrofit lamps

PL Base Identifier

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



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