

LUNERA CFL LED LAMP G24q

Installation Guide for 4-pin CFL Replacement Ballast Driven



The Lunera CFL LED G24Q Gen 4 can be installed directly using the existing CFL electronic ballast (Ballast Driven plug-and-play installation). The Lunera CFL LED G24q supports operation with electronic CFL ballasts only.

DO NOT INSTALL THIS LAMP DIRECTLY INTO LINE VOLTAGE. DO NOT INSTALL THIS LAMP WHEN POWER IS "ON" TO THE FIXTURE.

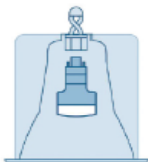
Product warranty will be voided if lamp is installed into line voltage, external LED driver, or incompatible ballast.

This lamp is certified to operate in fully enclosed fixtures.

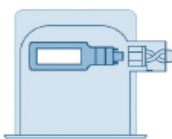
Installation Instruction - Ballast Driven 4-pin LED Lamp

1. Turn power off to the CFL fixture.
2. Carefully remove 4-pin CFL lamp. Make sure the ballast in the fixture is compatible with the Lunera CFL LED G24q. [contact Lunera for full ballast compatibility list.]

18W, 26W, 32W and 42W CFL



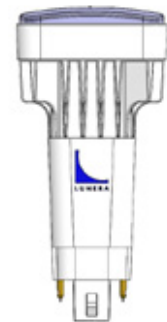
Vertical
11W
Up to 1,319lm



Horizontal
11W
Up to 1,445m



4-pin Horizontal



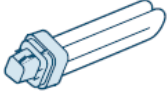
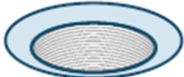


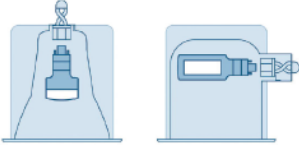

4-pin Vertical

3. Verify the CFL ID information for compatibility with Lunera CFL LED. Check the CFL ID marked on the lamp enclosure to ensure it is 18W, 26W, 32W or 42W 4-pin CFL.
4. Install the Lunera CFL LED G24q Lamp into the 4-pin G24q socket of the CFL fixture. If the lamp does not seat properly, do not apply force. Check to make sure that the socket is not cracked, broken, rusty or dirty.
5. Turn ON power.
[If the lamp exhibits flicker, strobe, or does not light, remove the lamp and contact Lunera Technical Support. Lunera recommends updating any incompatible ballasts with a currently available brand name model].



Intended Applications

The Lunera CFL LED G24q Lamp is designed for common commercial fixtures with 4-pin (G24q-series) CFL sockets that meet the following characteristics:

<p>Lamps</p> <p>4-Pin at 18W, 26W, 32W and 42W</p> 	<p>Fixtures</p> <p>Recessed downlight with or without a lens cover</p> 	<p>Power Source</p> <p>Non-dimming Electronic CFL Ballast^[1]</p> 
<p>Socket</p> <p>G24q</p> 	<p>Mounts</p> <p>Vertical Horizontal</p> 	<p>Controls^[2]</p> <p>Ballast Dependent (0-10V, EcoSystem, etc.)</p> 



[1] For applications containing dimming ballast, contact Lunera for dimming ballast compatibility. [2] Lamp dimming and control is dependent on the existing ballast.

The following ballasts are confirmed as compatible with the Lunera CFL LED lamp:

- Philips ICF-2S18-H1-LD & ICF-2S26-H1-LD
- Osram/Sylvania QTP 1/2x18CF/UNV & QTP 2x26CF/UNV
- Triad C218UNVBE & C2642UNVBE
- Fulham NPY-120-226-CFL
- Robertson RED1L10-120

Incompatible Applications

Please consider the INCOMPATIBLE applications for the Lunera CFL LED Lamp listed below. Installation of the Lunera CFL LED G24q Lamp in such applications may result in lamp failure. Product Warranty will be voided if the lamp is installed into the following applications.

Incompatible Power Source	Incompatible Sockets
<p>Line Voltage (AC voltage - 120V/277V)</p>  <p>Magnetic CFL Ballast</p> <p>Non-CFL Electronic Ballast</p> <p>Ballasts not specified on Lunera compatibility list</p> 	<p>G23-Series/GX23-Series</p> <p>G24d-Series</p> <p>G24q to E26 Adaptor</p>

General Safety Information

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- DANGER -** RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION
- WARNING -** THIS [LAMP] [DEVICE] ONLY OPERATES ON ELECTRONIC BALLASTS. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE [LAMP] [DEVICE] FROM LUMINAIRE AND CONTACT LUNERA OR QUALIFIED ELECTRICIAN.
- WARNING -** Risk of fire or electric shock. Install this lamp only in luminaires that have the construction features and dimensions shown in the photo graphs and/or drawings and where the input rating of the lamp does not exceed the input rating of the luminaire.
- WARNING -** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- CAUTION -** IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.) IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.
- CAUTION -** RISK OF FIRE - DO NOT INSTALL THIS LAMP IN A PRE-HEAT LUMINAIRE.
- CAUTION -** DO NOT INSTALL THIS LAMP DIRECTLY INTO LINE VOLTAGE OR EXTERNAL LED DRIVERS.

This lamp installation does NOT require modification to fixture/ballast wiring. Lunera CFL LED is intended for operations with electronic CFL ballasts:

- Philips ICF-2S18-H1-LD & ICF-2S26-H1-LD
- Osram/Sylvania QTP 1/2x18CF/UNV & QTP 2x26CF/UNV
- Triad C218UNVBE & C2642UNVBE
- Fulham NPY-120-226-CFL
- Robertson RED1L10-120
- Triad C213UNVME
- Sylvania QTP 2x26/CF/UNV DM

THIS LAMP IS CERTIFIED FOR INSTALLATION INTO FULLY ENCLOSED FIXTURE. PRODUCT WARRANTY WILL BE VOIDED IF:

- LAMP INSTALLED DIRECTLY INTO LINE VOLTAGE
- LAMP INSTALLED WITH EXTERNAL LED DRIVER
- LAMP INSTALLATION WITH AN INCOMPATIBLE BALLAST OR ANY NON-CFL (4-PIN) ELECTRONIC BALLASTS
- LAMP INSTALLATION INTO BROKEN, CRACKED, RUSTY, OR DIRTY G24Q SOCKETS
- ANY MODIFICATION TO THE LAMP
- LAMP INSTALLATION INTO NON-G24Q SOCKET
- LAMP INSTALLATION INTO FIXTURE WITH IMPROPER BALLAST WIRING
- INSTALLATION OF A NON-LUNERA LAMP WITH A LUNERA LAMP INTO TWO SOCKETS IN SERIES [e.g. INSTALLING LUNERA CFL LED INTO ONE SOCKET AND CFL INTO THE OTHER SOCKET.