

LUNERA CFL LED G24D

13W LED Replacement for 2-pin Compact Fluorescent Lamp

Type A - Ballast Driven

Installation Description

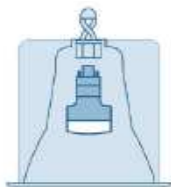
The **LUNERA CFL LED G24D** is a Type A (ballast driven) LED replacement for a CFL lamp with a 2-pin G24d-2 or G24d-3 base. It can be installed using the existing CFL magnetic ballast.

The LUNERA CFL LED G24D supports operation with CFL magnetic ballasts only:
DO NOT INSTALL THIS LAMP DIRECTLY INTO LINE VOLTAGE OR WITH AN LED DRIVER.
DO NOT INSTALL THIS LAMP WHEN POWER IS "ON" TO THE FIXTURE.

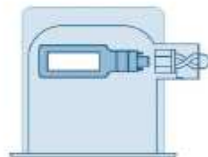
Installation Instructions - Ballast Driven (Type A)

1. Power OFF the CFL downlight fixture into which you will install the LUNERA CFL LED lamp. This is not only important for the installer's safety, but the CFL LED may be damaged and fail to operate properly if power is not cycled after removing the CFL lamp from the fixture.
2. Carefully remove the installed 2-pin CFL. Pull the lamp from the base and not the tubes to avoid breakage.
3. Verify the CFL ID information for compatibility with the LUNERA CFL LED G24D. Check the CFL ID marked on the lamp enclosure to ensure it is a 18W, 26W or 32W CFL. If it is a lower wattage CFL - STOP - DO NOT install the LUNERA CFL LED G24D. Also check the CFL lamp color temperature to ensure you are installing the desired color temperature of the CFL LED. The CFL LED is available with CCTs of 4000K, 3500K, 3000K or 2700K.

Replaces 18W, 26W, 32W CFLs



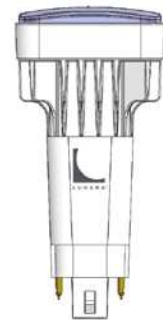
Vertical
13W
Up to 950lm



Horizontal
13W
Up to 1,000lm



2-pin Horizontal
G24d-2 or G24d-3 base

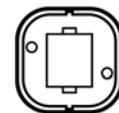


2-pin Vertical
G24d-2 or G24d-3 base



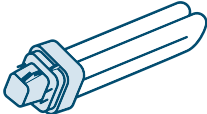


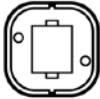


4. Install the LUNERA CFL LED G24D into the CFL fixture's 2-pin G24d socket. If the lamp does not seat properly, do not apply force. Check to make sure the fixture does not have an older, 2-pin magnetic ballast, which may not be compatible with the LUNERA CFL LED G24D. Be sure to install two LUNERA CFL LED G24D lamps in 2-lamp CFL fixtures, replacing both CFL lamps.
5. Turn ON power.
If the LUNERA CFL LED G24D flickers, strobos, or fails on installation, the installed ballast is incompatible with the LUNERA CFL LED G24D. To mitigate observed incompatibility, Lunera recommends updating any incompatible installed ballasts with a currently available brand name model.

G24d-2 or G24d-3
Socket Compatible




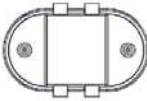


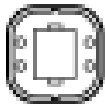
Intended Applications

The LUNERA CFL LED is designed for common commercial non-lensed and non-dimming fixtures with 2-pin (G24d-series) CFL sockets that meet the following characteristics:

Lamp Replaced	Mount	Fixtures	Socket
18W,26W,32W,42W 2-pin CFL	Vertical Horizontal	Non-lensed downlights only	2-pin G24d-2 / G24d-3
			
Power Sources		Controls	
Compatible Magnetic CFL Ballast  MAGNETIC BALLAST		Rocker Switch (non dimming) 	

Incompatible Applications

Applications with the following are INCOMPATIBLE for the LUNERA CFL LED G24D lamp. Installation of the LUNERA CFL LED G24D in such applications may result in lamp failure. Product Warranty will be voided if the lamp is installed into the following applications.

Incompatible Power Sources		Incompatible Sockets	Incompatible Controls
Direct Line Voltage (AC voltage - 120V/277V)  DIRECT LINE	Dimming ballasts, non-CFL Magnetic Ballast or Ballasts not specified on Lunera's compatibility list.	G23 Series/ GX23 Series 	Dimmer Switch 
Electronic CFL Ballast  ELECTRONIC BALLAST	Connected to a LED driver	G24q Series / GX24q Series 	

General Safety Information

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

DANGER - RISK OF SHOCK - DISCONNECT POWER BEFORE INSTALLATION

WARNING - Risk of fire or electric shock, installation requires knowledge of luminaires and electrical systems.

If not qualified, do not attempt installation. Contact a qualified electrician.

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

WARNING - Risk of fire or electric shock. Install this lamp only in luminaires that have the construction features and dimensions shown in the photographs and/or drawings and where the input rating of the lamp does not exceed the input rating of the luminaire.

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 - IF INSTALLING THIS LAMP IN A PRE-HEAT LUMINAIRE REMOVE THE AUTOMATIC STARTERS FROM THEIR HOLDERS BEFORE INSTALLING LAMP.

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 magnetic CFL ballasts.

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 (2-PIN) ELECTRONIC BALLASTS
- LAMP INSTALLATION INTO BROKEN, CRACKED, RUSTED, OR DIRTY G24D SOCKETS
- ANY MODIFICATION TO THE LAMP
- LAMP INSTALLATION INTO NON-G24D 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.