

# LUNERA CFL LED LAMP

## LED Replacement for 4-pin CFLs

### Ballast Driven - GEN4



#### Description

The LUNERA CFL LED GEN 4 is a plug-and-play LED replacement for CFL downlights with 4-pin G24q-series (electronic ballast) sockets. Simply choose the configuration for Horizontal or Vertical versions, plug it in like any CFL lamp, and enjoy the improved light quality and energy savings - no need to bypass the CFL ballast.

These beautiful lamps have a Color Rendering Index (CRI) of >80 and deliver up to 1000 lumens of usable light. The Lunera CFL LED is available in 2700K, 3000K, 3500K, and 4000K color temperatures.

The long lifespan of the Lunera CFL LED is rated at 50,000 hours, 5x longer than CFLs and is supported by a five year warranty. These lamps offer over 50% energy savings and are compatible with 18W, 26W, 32W, and 42W CFLs, making it easy to save even more energy.

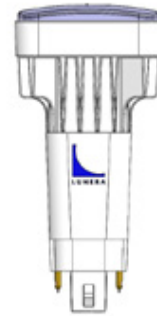
Lunera's proprietary ThermalIQ technology supports lamp operation in fully-enclosed luminaires and up to 150°F ambient temperatures.

#### Features

- Directly replaces 18W , 26W, 32W, and 42W CFLs (4-pin)
- Plug-and-Play installation
- >80 CRI
- Delivers up to 1000 lumens
- High System Efficacy
- CCT 2700K, 3000K, 3500K and 4000K
- Thermal IQ to support ambient temperatures up to 150°F
- 50,000 hours to L70 lifespan
- 5-Year Warranty



4-pin Horizontal



4-pin Vertical



#### Ordering Information

Example: HN-V-G24Q-B-11W-835-G4

Series	Version	Socket Type	Power Supply	Lamp Wattage	CCT	Generation
HN: CFL LED	V: Vertical H: Horizontal	G24Q: Recessed downlight with G24q series 4-Pin CFL socket	B: Ballast Driven 4-pin Lamp	11W: Replaces 18W, 26W, 32W, and 42W CFL	827: 2700K CCT 830: 3000K CCT 835: 3500K CCT 840: 4000K CCT	G4: 4th Generation

## Product Specifications

### Illumination

Color Temperatures	2700K, 3000K, 3500K, 4000K	
Lamp	@2700K	1098lm(horizontal), 1124lm(vertical)
Lumens:	@3000K	1000lm(horizontal), 1030lm(vertical)
	@3500K	1229lm(horizontal), 1292lm(vertical)
	@4000K	1094lm(horizontal), 1135lm(vertical)
CRI	>80	
Color Consistency	Lunera TruColor Proprietary Process	
Lumen Maintenance (L70)	50,000+ hours life	

### Electrical System

Power Factor	> 90% (determined by installed ballast)
Total Harmonic Distortion	< 20% (determined by installed ballast)
Input Voltage	Driven by CFL Electronic Ballast
Average Lamp Power	11W
Total Power (Lamp + Ballast)	13W (Horizontal), 14W (Vertical)
Lamp Wattage Replaced	26W (18W, 32W and 42W compatible)
Dimming	Non-dim applications only

### Physical

Weight	0.25 lbs
Housing and Finish	Aluminum, Painted
Optics	Optical Acrylic Diffusion

### Environment

Ambient Operating Temp	-4°F to 150°F (-20°C to 75°C)
Ambient Operating Humidity	Dry and Damp Certified
Max Heat Sink Temp	221°F (105°C)

### Installation

Socket Type (electronic)	G24q series 4-Pin CFL socket
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### Certifications & Qualifications

UL	Recognized USA & CAN
RoHS Compliant	Contains no lead or mercury
LM79, LM80, IES Files	Completed

### Warranty

Warranty	5 years
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### Application Notes

The CFL LED lamp is intended for operation with ballasts from the following manufacturers [Contact Lunera for full ballast compatibility list]:

- Triad/Universal Lighting Technologies
- OSRAM Sylvania
- Energy Savings
- Hatch model #s QTP 2x26CF/UNV DM, 226/32/42,FUNV DM, ICF-2S18-H1-LD, ES-2-CFQ-26-120-C, HC226PS/UV/WJ

TURN POWER OFF WHEN INSTALLING THIS LAMP.

For applications containing dimming ballasts, please contact Lunera for specific compatibility.

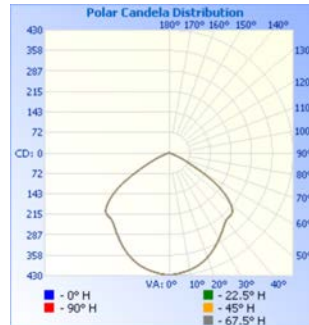
CAUTION - IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

THIS LAMP ONLY OPERATES ON ELECTRONIC BALLASTS. IF LAMP DOES NOT LIGHT WHEN THE LUMINAIRE IS ENERGIZED, REMOVE LAMP FROM LUMINAIRE AND CONTACT LAMP MANUFACTURER OR QUALIFIED ELECTRICIAN.

## Photometry

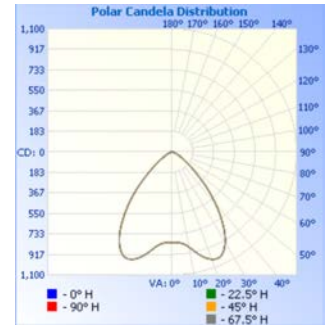
Lamp performance in DLC reference fixtures:

Single Vertical Lamp



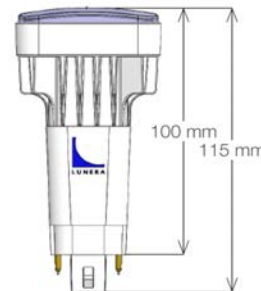
[Fixture: Lithonia 6HF 2/26DTT MVOLT]

Dual Horizontal Lamps

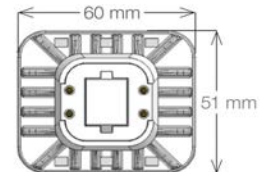


[Fixture: Lithonia 6VF 26-42TRT MVOLT]

## Vertical Package

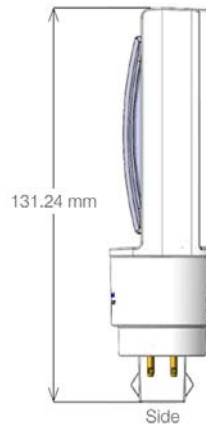


Front View Vertical

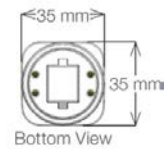


Bottom View 4-pin

## Horizontal Package



Side



Bottom View



End View

