

# LUNERA CFL LED GEN4

## LED Replacement for 2-pin GX23 PLs



### Description

The LUNERA CFL LED GX23 Gen 4 from Lunera is a plug-and-play LED replacement for CFL applications such as downlights, sconces and other fixtures using the 13W GX23 socket. The Lunera CFL LED GX23 supports both Ballast Driven (plug-and-play) and Line Driven operation at 120V-277V 50/60Hz.

These beautiful lamps have a Color Rendering Index of 82 and deliver 500+ lumens of usable light. The Lunera CFL LED GX23 is available in 2700K, 3000K, 3500K, and 4000K color temperatures.

The long lifespan of the Lunera CFL LED GX23 is rated at 50,000 hours, five times longer than CFLs and is supported by a five year warranty.

The Lunera CFL LED GX23 offers 60%+ energy savings and is compatible with 13W GX23 magnetic ballasts and 120V-277V 50/60Hz ballast bypass operation.



### Features

- Directly replaces 13W GX23 CFL lamp (2-pin)
- Supports both plug-and-play Ballast Driven installation and Line Driven (ballast bypass) installation at 120V/277V
- Delivers 500+ lumens of usable light
- >80 CRI
- CCT 2700K, 3000K, 3500K and 4000K
- 50,000 hr life to L70
- 5-Year Warranty



### Ordering Information

Example: HN-H-GX23-U-5W-830-G4

Series	Version	Socket Type	Power Supply	Lamp Wattage Replaced	CCT	Generation
<b>HN</b> Lunera CFL LED	<b>H</b> Horizontal, Universal Support for Ballast and 120V/277V operation	<b>GX23</b> Fixture with GX23 Socket	<b>U</b> Universal Lamp Supports GX23 Magnetic Ballast and 100V-305V	<b>5W</b> Replaces 13W GX23 CFL Lamp	<b>827</b> 2700 Kelvin <b>830</b> 3000 Kelvin <b>835</b> 3500 Kelvin <b>840</b> 4000 Kelvin	<b>G4</b> 4 <sup>th</sup> Generation

## Product Specifications

### Illumination

Color Temperatures	2700K, 3000K, 3500K, 4000K
Delivered Lumens:	@2700K 528lm @3000K 505lm @3500K 575lm @4000K 580lm
CRI	>80
Color Consistency	Lunera TruColor Proprietary Process
Lumen Maintenance (L70)	50,000+ hours life

### Electrical System

Power Factor	> 90%
Total Harmonic Distortion	< 20%
Input Voltage	UNIVERSAL: Lamp can be driven by magnetic GX23 ballast or the ballast can be bypassed and the lamp driven directly by 100V-305V 50/60Hz AC line voltage
Surge Protection	Complies with ENERGY STAR LED lamp transient protection (7 strikes of a 2.5kV 100kHz ring wave)
Average Lamp Power	5W
Total Power (Lamp + Ballast)	5W + 0.2W for ballast
Lamp Wattage Replaced	13W + 3W for ballast
Dimming	If supported by ballast or via TRIAC dimmer on 120V AC, contact Lunera for list of compatible dimmers.

### Physical

Weight	0.1 lbs
Housing and Finish	Thermoplastic, White
Optics	Optical Acrylic Diffusion

### Environment

Ambient Operating Temp	-40°F to 100°F (-40°C to 40°C)
Ambient Operating Humidity	Dry and Damp Certified
Max Heat Sink Temp	221°F (105°C)

### Installation

Socket Type (magnetic or line)	GX23 series 2-Pin CFL socket
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### Certifications & Qualifications

UL	Listed (UL1993) & Classified (UL1598-C)
RoHS Compliant	Contains no lead or mercury
LM79, LM80, IES Files	Available

### Warranty

Warranty	5 years
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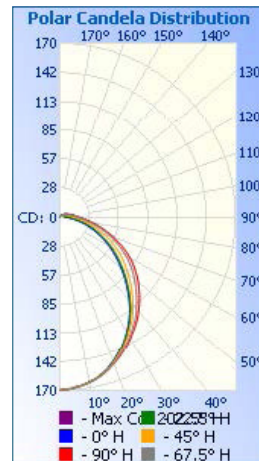
### Application Notes

The Lunera CFL LED may be used in open or fully enclosed fixtures. Indoors or outdoors.

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

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## Photometry



## Dimensions

