

# LUNERA HELEN LAMP GEN3

## LED Replacement for 2-pin GX23 CFLs



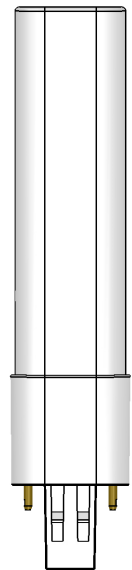
### Description

The Helen Lamp GX23 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 Helen Lamp GX23 supports both magnetic ballast operation and ballast bypass operation at 120V-277V 50/60Hz.

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

The long lifespan of the Helen Lamp is rated at 50,000 hours, 5x longer than CFLs and is supported by a five year warranty.

The Helen Lamp 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 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-UNV-GX23-13W-2700-G3

Series	Version	Socket Type	Lamp Wattage Replaced	CCT	Generation
HN Helen Lamp	H-UNV Horizontal, Universal Support for Ballast and 120V/277V operation	GX23 Fixture with GX23 Socket	13W 13W GX23 CFL	2700 2700 Kelvin 3000 3500 Kelvin 3500 3500 Kelvin 4000 4000 Kelvin	G3 3rd Generation

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

## Product Specifications

### Illumination

Color Temperatures	2700K, 3000K, 3500K, 4000K	
Delivered Lumens:	@2700K	500 lm
	@3000K	508 lm
	@3500K	525 lm
	@4000K	535 lm
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
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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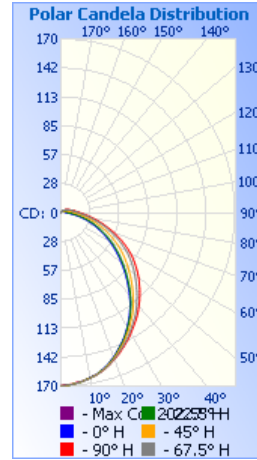
### Application Notes

The Helen Lamp may be used in open or fully enclosed fixtures. Indoors or outdoors.

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.

## Lamp Photometry



## Dimensions

