

# LUNERA PLL LED

## LED Replacement for PLL Fluorescent Lamp

Ballast Driven



### Description

The Lunera PLL LED lamp is a Ballast Driven plug-and-play LED replacement for a 55W / 40W / 36W 4-pin long compact fluorescent lamp. It operates off of the existing electronic ballast and supports instant start, rapid start, and programmed start electronic ballasts.

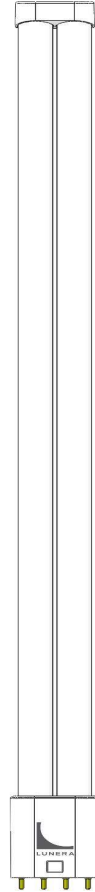
This beautiful lamp emits light over 330° of its surface, has a Color Rendering Index (CRI) of 83 and delivers up to 2,600 lumens of usable light. The Lunera PLL LED lamp is available in 2700K, 3000K, 3500K, and 4000K color temperatures.

The Lunera PLL LED lamp delivers over 50% in energy savings and has a long lifespan rated at 50,000 hours. It is supported by a five-year warranty.

This product does NOT support line voltage.

### Features

- Directly replaces 55W/40W/36W 2G11 compact fluorescent lamps
- Supports plug-and-play Ballast Driven installation (Instant Start / Rapid Start / Programmed Start)
- Delivers up to 2,600 lumens of usable light
- >80 CRI
- CCT 2700K, 3000K, 3500K, and 4000K
- 50,000 hours life to L70
- 5-Year Warranty



### Ordering Information

Series	Socket Type	Power Supply	Dimension	Lamp Wattage Replaced	CCT	Generation
<b>HN</b> Helen Lamp	<b>PLL</b> Fixture with 2G11 socket [4-pin long CFL]	<b>D</b> Electronic PLL Ballast	<b>22</b> 22 inch tube	<b>22W</b> Replaces 55W~36W 4-pin long Compact Fluorescent Lamp	<b>827</b> 2700 Kelvin <b>830</b> 3000 Kelvin <b>835</b> 3500 Kelvin <b>840</b> 4000 Kelvin	<b>G1</b> 1st Generation

Example: HN-PLL-D-22-22W-835-G1



## Product Specifications

### Illumination

Color Temperatures	2700K, 3000K, 3500K, 4000K
Delivered Lumens:	Up to 2,600lm
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	Dependent of the ballast (Lamp operates off of rapid, instant, and programmed start electronic ballasts)
Average Lamp Power	22W
Lamp Wattage Replaced	55W, 40W, 36W
Dimming	Yes, If used with dimming ballast
Ballast Factor	NBF (0.88 ~ 1.00)

### Physical

Weight	0.35 lbs
Housing and Finish	Glass, White
Optics	Optical Glass Diffusion, 330° Beam

### Environment

Ambient Operating Temp	-40°F to 104°F (-40°C to 40°C)
Ambient Operating Humidity	Dry and Damp Certified

### Installation

Socket Type	2G11 4-pin CFL Long (electronic PLL ballast)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

### Certifications & Qualifications

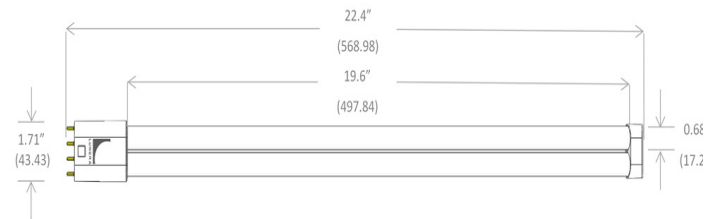
UL	Classified / Recognized US, CAN
RoHS Compliant	Contains no lead or mercury
DLC Listed	Category NOT Available
LM79, LM80, IES Files	Available. Contact Lunera.

### Warranty

Warranty	5 years
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**CAUTION** - IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

## Dimensions



## Application Notes

### CAUTION

Turn power off when installing the lamp.

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

Lunera PLL LED lamp supports operations with instant, rapid, and programmed start electronic ballasts.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operations.

