**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

**Ordering Information**

<table>
<thead>
<tr>
<th>Series</th>
<th>Version</th>
<th>Socket Type</th>
<th>Power Supply</th>
<th>Lamp Wattage</th>
<th>CCT</th>
<th>Generation</th>
</tr>
</thead>
<tbody>
<tr>
<td>H: Horizontal</td>
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</tbody>
</table>
Product Specifications

**Illumination**

<table>
<thead>
<tr>
<th>Color Temperatures</th>
<th>2700K, 3000K, 3500K, 4000K</th>
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</thead>
<tbody>
<tr>
<td>Lamp</td>
<td>@2700K 1098lm(horizontal), 1124lm(vertical)</td>
</tr>
<tr>
<td></td>
<td>@3000K 1000lm(horizontal), 1030lm(vertical)</td>
</tr>
<tr>
<td></td>
<td>@3500K 1229lm(horizontal), 1292lm(vertical)</td>
</tr>
<tr>
<td></td>
<td>@4000K 1094lm(horizontal), 1135lm(vertical)</td>
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<tr>
<td>CRI</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Color Consistency</td>
<td>Lunera TruColor Proprietary Process</td>
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<tr>
<td>Lumen Maintenance (L70)</td>
<td>50,000+ hours life</td>
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**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

**Certifications & Qualifications**

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

**Warranty**

- Warranty: 5 years

**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

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.