Description
The LUNERA T8 LED 4FT (UL Type B) is an energy saving, Line Driven, linear LED replacement for a 32W, 4ft medium base Bi-Pin T8 fluorescent lamp. Its built-in universal driver allows lamp operation at 120V – 277V.

This lamp emits beautiful LED light over 330° of its surface. It has a Color Rendering Index (CRI) of 83 and delivers up to 1,800 lumens of usable beautiful light. The Lunera T8 LED features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The Lunera T8 LED delivers over 50% energy savings and has a long lifespan rated at 50,000 hours and is supported by a five-year warranty. It contains no mercury allowing for non-hazardous waste disposal.

The Lunera T8 LED (UL Type B) does not support fluorescent T8 ballasts and G13 Lamp sockets must be wired into AC line voltage.

Features
- Directly replaces 32W 4ft Bi-Pin T8 fluorescent lamps
- Line-Driven Lamp (ballast bypassed); supports 120V – 277V
- Delivers up to 1,800 lumens of usable light
- >80 CRI
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70
- 5-Year Warranty

Ordering Information

<table>
<thead>
<tr>
<th>Series</th>
<th>Socket Type</th>
<th>Power Supply</th>
<th>Dimension</th>
<th>Lamp Wattage Replaced</th>
<th>CCT</th>
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<tbody>
<tr>
<td>HN</td>
<td>T8</td>
<td>L</td>
<td>48</td>
<td>15W</td>
<td>830</td>
<td>G1</td>
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<tr>
<td>Lunera T8 LED</td>
<td>Fixture with medium, Bi-Pin T8 socket</td>
<td>Line Driven (Ballast Bypassed) Supports 120V–277V</td>
<td>48 inch tube</td>
<td>Replaces 32W Medium Bi-Pin T8 Fluorescent Lamp</td>
<td>3000 Kelvin, 3500 Kelvin, 4000 Kelvin, 5000 Kelvin</td>
<td>1st Generation Frosted</td>
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Example: HN-T8-L-48-15W-830-G1


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## Product Specifications

### Illumination
- **Color Temperatures**: 3000K, 3500K, 4000K, 5000K
- **Delivered Lumens**: Up to 1800lm
- **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**: 120V - 277V 50/60Hz AC Line Voltage
- **Total Power**: 15W
- **Lamp Wattage Replaced**: 32W and less
- **Dimming**: No

### Physical
- **Weight**: 0.45 lbs
- **Housing and Finish**: Glass, White
- **Optics**: Optical Glass Diffusion
- **Beam Spread**: 330°
- **Beam Angle**: 230°

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

### Installation
- **Socket Type**: Medium Bi-Pin T8 socket (Non-Shunted Tombstone)
- **Line Voltage**: YES, this lamp is not rated for use with fluorescent T8 ballasts

### Certifications & Qualifications
- **UL**: (UL1598C)
- **RoHS Compliant**: Contains no lead or mercury
- **DLC Listed**: Yes
- **LM79, LM80, IES Files**: Available. Contact Lunera.

### Warranty
- **Warranty**: 5 years

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## Dimensions

![Bi-Pin socket](image)

## Application Notes

The Lunera T8 LED may be used in open and 2-lamp IP67 rated enclosed fixtures. Indoors or outdoors.

The lamp DOES NOT support shunted tombstones.

## Electrical Connection

**Correct Wiring**

![Correct Wiring](image)

**Incorrect Wiring**

![Incorrect Wiring](image)

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**CAUTION**

Turn power off when installing the lamp.

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