

# LUNERA T8 LED U-BEND

## 15W/18W LED Replacement for a T8 U-Bend Fluorescent Lamp

### Type B - Ballast Bypassed

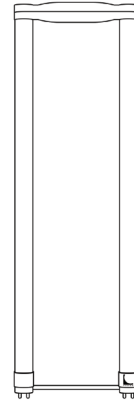
#### Description

The **LUNERA T8 LED U-BEND** is a (Type B, ballast bypassed) T-LED replacement for a Bi-Pin T8 U-Bend (G13) fluorescent lamp up to 32W. Its built-in universal driver allows lamp operation at 120V ~ 277V.

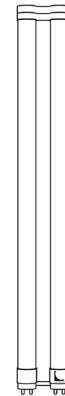
This beautiful LED lamp emits light with a 330° Beam Spread, has a Color Rendering Index (CRI) of 83 and delivers up to 1,800 lumens (15W) or 2,200 lumens (18W) of usable light. The LUNERA T8 LED U-BEND features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures. Both a 6-inch or 1-5/8-inch gap configuration are available.

The LUNERA T8 LED U-BEND lamp is rated at 50,000 hours and is backed by a five-year warranty. It does not contain mercury allowing for non-hazardous waste disposal.

This is a Type B lamp. The lamp does not support operation with a fluorescent T8 ballast and the Non-Shunted G13 sockets must be wired into AC line voltage.



6" Gap  
(T8UL-version)



1-5/8" Gap  
(T8US-version)

#### Features

- Directly replaces up to 32W/31W/29W/28W/25W (G13) Bi-Pin T8 U-Bend fluorescent lamps with 15W or 18W LED
- Type B Lamp - Ballast Bypassed; supports 120V ~ 277V
- Delivers up to 1,800 (15W) and 2,200 (18W) lumens of usable light
- >80 CRI
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70
- 5 Year Warranty



#### Ordering Information

Example: HN-T8UL-L-22-15W-830-G1

| Series                               | Socket Type  | Power Supply  | Dimension                    | Lamp Wattage   | CCT  | Generation                              |
|--------------------------------------|--|---|------------------------------|--|--|---|
| <b>HN</b><br>Lunera T8<br>LED U-Bend | <b>T8UL</b><br>U-Bend Bi-Pin T8 socket<br>(G13) 6" apart<br>(Non-Shunted)<br><br><b>T8US</b><br>U-Bend Bi-Pin T8 socket<br>(G13) 1 5/8" apart<br>(Non-Shunted) | <b>L</b><br>Ballast Bypass<br>Supports<br>120V~277V | <b>22</b><br>22 inch<br>tube | <b>15W</b><br>Replaces up to 32W<br>with 1,800lm (UL) or<br>1,700lm (US)<br><br><b>18W</b><br>Replaces up to 32W<br>with 2,200lm (UL) or<br>2,100lm (US) | <b>830:</b> 3000K<br><b>835:</b> 3500K<br><b>840:</b> 4000K<br><b>850:</b> 5000K | <b>G1:</b><br>1st Generation<br>Frosted |

## Product Specifications

### Illumination

|                         |  |
|-------------------------|--|
| Color Temperatures      | 3000K, 3500K, 4000K, 5000K                 |
| T8UL<br>(6" Gap)        | Up to 1,800lm (15W)<br>Up to 2,200lm (18W) |
| T8US<br>(1-5/8" Gap)    | Up to 1,700lm (15W)<br>Up to 2,100lm (18W) |
| CRI                     | >80  |
| Color Consistency       | Lunera TruColor LED Selection              |
| Lumen Maintenance (L70) | 50,000+ hours life                         |

### Electrical System

|                           |                                  |
|---------------------------|----------------------------------|
| Power Factor              | > 90%                            |
| Total Harmonic Distortion | < 20%                            |
| Input Voltage             | 120VAC ~ 277VAC                  |
| Total Power*              | 15W<br>18W                       |
| Lamp Wattage Replaced     | Up to 32W                        |
| Dimming                   | Contact Lunera for Compatibility |

### Physical

|                          |                         |
|--------------------------|-------------------------|
| Weight                   | 0.50 lbs                |
| Housing and Finish       | Glass, White            |
| Optics                   | Optical Glass Diffusion |
| Beam Spread / Beam Angle | 330° / 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  | G13, Medium Bi-Pin T8 socket<br>(Non-Shunted tombstones) |
| Line Voltage | YES [120V~277V]  |

### Certifications & Qualifications

|                                |                                     |
|--------------------------------|-------------------------------------|
| UL (US and Canada)             | Classified (UL1598-C)<br>Recognized |
| FCC**                          | Complies with Parts 15A/B           |
| RoHS Compliant                 | Contains no lead or mercury         |
| LM79, LM80, IES Files          | Available. Contact Lunera.          |
| DesignLights Consortium Listed | Yes, 4.1 (6" Gap version)           |

### Warranty

|          |         |
|----------|---------|
| Warranty | 5 years |
|----------|---------|

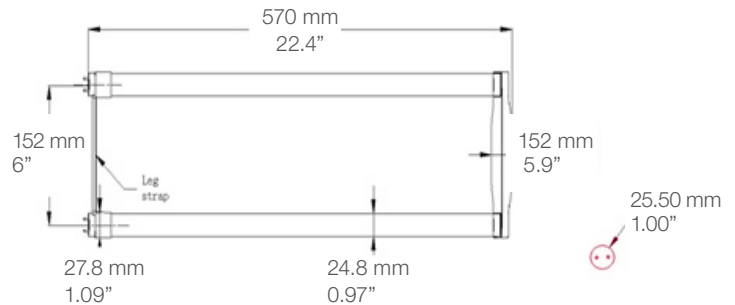
## CAUTION

Turn power off when installing the lamp.

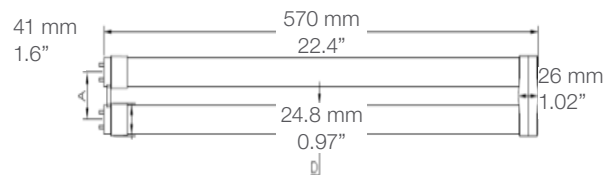
**CAUTION** - IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

## Dimensions

### U-Bend with 6" apart G13 sockets



### U-Bend with 1-5/8" apart G13 sockets



## Application Notes

This lamp does NOT support Shunted tombstones. Shunted tombstones must be removed and replaced with Non-Shunted tombstones.

*Product warranty will be voided* under the following conditions or if installed into the following applications:

- Lamp installed into luminaires with input voltage above 277V
- Lamp installed in a fully enclosed fixture
- Incorrect wiring configuration to the lamp
- Lamp installed into fluorescent ballasts or LED Drivers
- Lamp installation into Shunted socket
- Lamp installation into cracked, broken, dirty or rusty tombstones

\* Total Power equals Lamp Power since ballast is bypassed or removed

\*\* 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.

## Electrical Connection

LUNERA T8 LED U-BEND driven by 120V/277V 60Hz AC.

