

# LUNERA T8 LED 8FT

LED Replacement for Single/Bi-Pin 8FT T8 Fluorescent Lamp

Line Driven - Universal Tombstone Technology



## Description

The LUNERA T8 LED 4FT UTT (UL Type B) is an energy saving, Line Driven, linear LED replacement for a 43W, 8FT medium base Single/Bi-Pin 8FT T8 or T12 fluorescent lamp. Its built-in universal driver allows lamp operation at 120V ~ 277V. Lunera's Universal Tombstone Technology (UTT) allows lamp installation into shunted and non-shunted G13 tombstones.

This lamp emits beautiful LED light over 330° of its surface. It has a Color Rendering Index (CRI) of 83 and delivers up to 5,500 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. It is supported by a five-year warranty and 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

- Replacement for 54W/59W 8FT T8 or 60W/75W 8FT T12 fluorescent lamps with 43W LED lamps
- Supports line voltage operations - (120VAC ~ 277VAC)
- Delivers up to 5,500 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-T8-L-96-43W-840-G1-UT

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Generation	Feature
<b>HN</b> Lunera T8 LED	<b>T8</b> Fixture with Bi-Pin (R17d)  <b>T8S</b> Fixture with Single-Pin (Fa8)	<b>L</b> Line Voltage (120V~277V)	<b>96</b> 96 inch tube	<b>43W</b> Replaces 54W/59W T8 and 60W/75W T12 Fluorescent Lamp	<b>830</b> 3000 Kelvin <b>835</b> 3500 Kelvin <b>840</b> 4000 Kelvin <b>850</b> 5000 Kelvin	<b>G1</b> 1st Generation	<b>UT</b> Universal Tombstone  (Supports shunted and non-shunted R17D tombstones)

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

## Product Specifications

### Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 5,500lm
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	43W
Lamp Wattage Replaced	54W/59W T8 and 60W/75W T12
Dimming	Not Dimmable

### Physical

Weight	0.9 lbs
Housing and Finish	Glass, White
Optics	Optical Glass Diffusion, 330° Beam

### Environment

Ambient Operating Temp	-28°F to 113°F (-20°C to 45°C)
Ambient Operating Humidity	Dry and Damp Certified

### Installation

Socket Type	Single Pin (Fa8 Socket) or Bi-Pin (R17d)
Ballast Installation	Not Required; this lamp does not support fluorescent ballasts

### Certifications & Qualifications

UL	Classified / Recognized US & Canada
RoHS Compliant	Contains no lead or mercury
DLC Listed	Pending
LM79, LM80, IES Files	Available. Contact Lunera.

### Warranty

Warranty	5 years
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## CAUTION

Turn power off when installing the lamp.

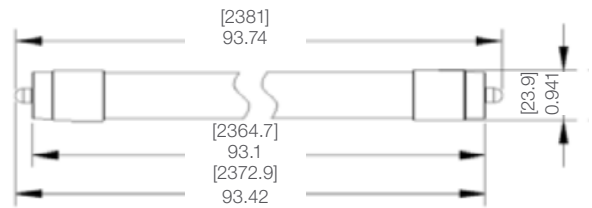
**CAUTION** - IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER, REMOVE LAMP FROM LUMINAIRE AND CONTACT MANUFACTURER.

### For Technical Support:

<https://lunera.com/freshdesk.com/support/home>

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REV 11917

## Dimensions



## Application Notes

The Lunera T8 LED supports operation with line voltage at 120VAC ~ 277VAC only.

The Lunera T8 LED is NOT rated for use in fully enclosed fixtures.

This lamp is NOT dimmable.

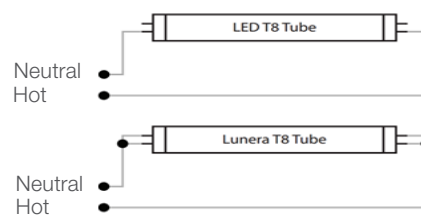
Lamp installation in the following conditions and applications voids the product warranty:

- Fully enclosed fixtures
- Installation with an fluorescent ballasts or LED Drivers
- Installation in cracked, broken, dirty, or rusty tombstones
- Installation in wet areas
- Installation in Line Voltage above 277VAC
- Improper wiring (Different than installation instruction shown below)
- Installation with dimmers

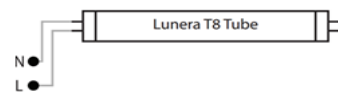
## Electrical Connection

Lunera T8 LED driven by 120V/277V 60Hz AC

### Correct Wiring



### Incorrect Wiring

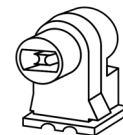


## Socket Types

Single-Pin (Fa8)



Bi-Pin (R17d)



[www.lunera.com](http://www.lunera.com) T (650) 241-3875

