

## LUNERA T8 LED 8FT

43W-24W LED Replacement for 8FT T8 or T12 Fluorescent Lamps

Type B - Double-Ended, Ballast Bypassed (Fa8 Connector)

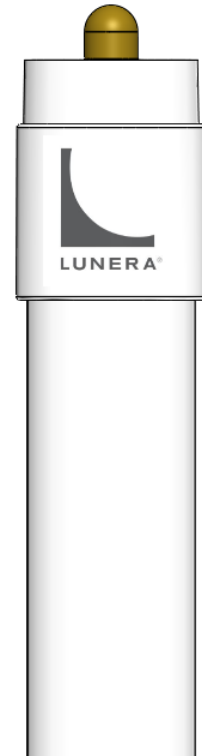
### Description

The **LUNERA T8 LED 8FT** is a line driven (Type B, double-ended (non-UTT), ballast bypassed) linear T-LED replacement for an 8FT single pin (Fa8) T8 or T12 fluorescent lamp up to 75W. 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 >80 and delivers up to 5,500 lumens of usable light. The LUNERA T8 LED 8FT features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The LUNERA T8 LED 8FT is rated at 50,000 hours and is backed by a five-year warranty. It contains no mercury, allowing for non-hazardous waste disposal.

This is a Type B (ballast bypassed) lamp and does not support fluorescent ballasts or LED drivers. All sockets are wired into AC line voltage.



Single-pin  
(Fa8)

### Features

- Replacement for T8 or T12 lamps up to 75W with a 25W/34W/43W LED
- Ballast Bypassed (Type B, double-ended) Installation - supports line driven 120V-277V
- Single-pin (Fa8) socket compatible
- Delivers up to 5,500 (43W) / 4,400 (34W) / 3,500 (25W) lumens at > 80 CRI
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70 / 5-Year Warranty
- P.E.T. ShatterGuard included for added safety



### Ordering Information

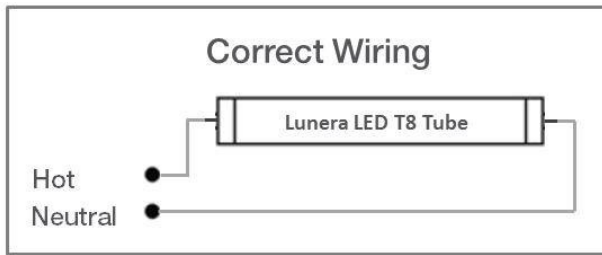
Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Generation
<b>HN</b> Lunera T8 LED	<b>T8S</b> Single-Pin (Fa8)	<b>L</b> Ballast Bypassed Supports (120V~277V)	<b>96</b> 96 inch tube	<b>43W:</b> Replaces up to 75W (T8 or T12) with 5,500lm <b>34W:</b> Replaces up to 75W (T8 or T12) with 4,400lm <b>25W:</b> Replaces up to 75W (T8 or T12) with 3,500lm	<b>830:</b> 80+ CRI / 3000K <b>835:</b> 80+ CRI / 3500K <b>840:</b> 80+ CRI / 4000K <b>850:</b> 80+ CRI / 5000K	<b>G1</b> 1st Generation

## Product Specifications

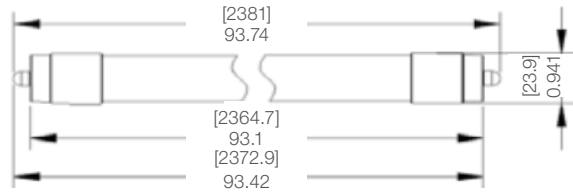
	3,500 lumens (25W)	4,400 lumens (34W)	5,500 lumens (43W)
<b>Illumination</b>			
Color Temperatures	3000K, 3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 3,500lm	Up to 4,400lm	Up to 5,500lm
CRI	>80	>80	>80
Color Consistency	Lunera TruColor LED Selection	Lunera TruColor LED Selection	Lunera TruColor LED Selection
Lumen Maintenance (L70)	50,000+ hours life	50,000+ hours life	50,000+ hours life
<b>Electrical System</b>			
Power Factor	> 90%	> 90%	> 90%
Total Harmonic Distortion	< 20%	< 20%	< 20%
Input Voltage	120V ~ 277V 50/60Hz AC Line Voltage	120V ~ 277V 50/60Hz AC Line Voltage	120V ~ 277V 50/60Hz AC Line Voltage
Total Power*	25W	34W	43W
Lamp Wattage Replaced	Up to 75W (T8 or T12)	Up to 75W (T8 or T12)	Up to 75W (T8 or T12)
Dimming	No	No	No
Universal Tombstone Technology**	No	No	No
<b>Physical</b>			
Weight	0.9 lbs	0.9 lbs	0.9 lbs
Housing and Finish***	Glass, White, with P.E.T. ShatterGuard	Glass, White, with P.E.T. ShatterGuard	Glass, White, with P.E.T. ShatterGuard
Optics	Optical Glass Diffusion	Optical Glass Diffusion	Optical Glass Diffusion
Beam Angle / Beam Spread	330° / 230°	330° / 230°	330° / 230°
<b>Environment</b>			
Ambient Operating Temp	-28°F to 113°F (-20°C to 45°C)	-28°F to 113°F (-20°C to 45°C)	-28°F to 113°F (-20°C to 45°C)
Ambient Operating Humidity	Dry and Damp Certified	Dry and Damp Certified	Dry and Damp Certified
<b>Installation</b>			
Line Voltage	Yes, 120V-277V with Non-Shunted Fa8 socket	Yes, 120V-277V with Non-Shunted Fa8 socket	Yes, 120V-277V with Non-Shunted Fa8 socket
Ballast Installation	NOT for use with ballasts or LED drivers	NOT for use with ballasts or LED drivers	NOT for use with ballasts or LED drivers
<b>Certifications &amp; Qualifications</b>			
UL (US and Canada)	Classified (UL1598-C)	Classified (UL1598-C)	Classified (UL1598-C)
RoHS Compliant	Contains no lead or mercury	Complies with Parts 15A/B	Complies with Parts 15A/B
FCC****	Complies with Parts 15A/B	Contains no lead or mercury	Contains no lead or mercury
LM79, LM80, IES Files	Available. Contact Lunera.	Available. Contact Lunera.	Available. Contact Lunera.
<b>Warranty</b>			
Warranty	5 years	5 years	5 years

## Double-Ended (non-UTT) Electrical Connection

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



## Product Dimensions



## Socket Type

Single Pin (Fa8)  
Non-Shunted Sockets  
(Double-Ended (non-UTT) Installation)



Please note that the socket pair should include a stationary socket and a spring loaded socket.

## Application Notes

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

- Line voltage above 277VAC
- LED Drivers or with a ballast
- Gasketed (sealed), fully enclosed fixtures
- Installation in wet environments
- Installation in broken, cracked, dirty or rusted tombstones
- Improper wiring to the tombstones/lamp

- \* Total Power equals lamp power because the ballast has been bypassed or removed.
- \*\* Universal Tombstone Technology (UTT) is integrated electronics that makes a ballast bypassed T-LED double-ended. UTT T-LEDs are safe to handle and install about 50% faster because they are compatible with both Shunted and Non-Shunted Double Recessed Contact R17d or Bi-pin G13 sockets.
- \*\*\* P.E.T. ShatterGuard version of the Lunera T8 LED is NSF Certified (shatter proof / resistant).
- \*\*\*\* 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.

## 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.