

LUNERA T8 LED 8FT

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

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

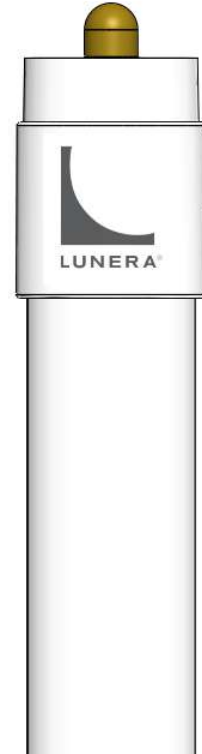
Description

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

Example: HN-T8S-L-96-43W-830-G1

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

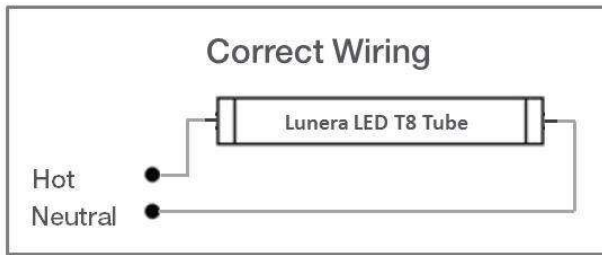
PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Product Specifications

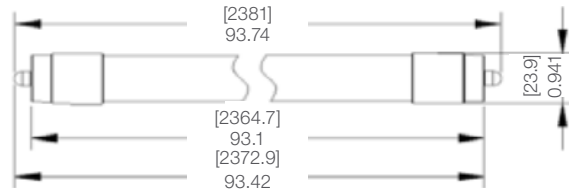
	3,500 lumens (25W)	4,400 lumens (34W)	5,500 lumens (43W)
Illumination			
Color Temperatures	3000K, 3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 3,500lm	Up to 4,400lm	Up to 5,500lm
CRI	>80	>80	>80
Color Consistency	Lunera TruColor LED Selection	Lunera TruColor LED Selection	Lunera TruColor LED Selection
Lumen Maintenance (L70)	50,000+ hours life	50,000+ hours life	50,000+ hours life
Electrical System			
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
Physical			
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°
Environment			
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
Installation			
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
Certifications & Qualifications			
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.
Warranty			
Warranty	5 years	5 years	5 years

Double-Ended (non-UTT) Electrical Connection

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



Product Dimensions



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

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.

- * 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.