

LUNERA T8 LED 4FT

12W LED Replacement for a 4FT T8 Fluorescent Lamp
Type B - Single-Ended, Ballast Bypassed

Description

The **LUNERA T8 LED 4FT** is a line driven, (Type B, single-ended, ballast bypassed) linear T-LED replacement for a 4FT bi-pin T8 fluorescent lamp up to 32W. Its built-in universal driver allows lamp operation at 120V ~ 277V.

This LED lamp emits beautiful light with a 330° Beam Angle, has a Color Rendering Index (CRI) of >80 and delivers up to 1,800 lumens of usable light. The LUNERA T8 LED 4FT features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The LUNERA T8 LED 4FT is rated at 50,000 hours and is backed by a five-year warranty. This lamp contains no mercury allowing for non-hazardous waste disposal.

It is a Type B lamp and does not support fluorescent T8 ballasts. The fixture must have Non-Shunted G13 (Tombstone) sockets wired into AC line voltage.



Features

- Directly replaces 32/30/28/25W 4FT bi-pin T8 fluorescent lamps with a 12W LED
- Ballast Bypassed (Type B, single-ended) Installation - supports line driven 120/277V
- Compatible with Non-Shunted G13 Tombstone sockets
- 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

Example: HN-T8-L-48-12W-830-G1

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Generation
HN Lunera T8 LED	T8 Bi-pin G13 Non-Shunted sockets only	L Ballast Bypassed Supports 120V ~ 277V	48 48 inch tube	Replaces up to 32W with: 12W 12W @ 1,800lm	830: 3000K 835: 3500K 840: 4000K 850: 5000K	G1 1st Generation Frosted

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Product Specifications

Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 1,800lm
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	120V ~ 277V 50/60Hz AC Line Voltage
Lamp and Total Power*	12W
Lamp Wattage Replaced	Up to 32W (T8)
Dimming	No
Universal Tombstone Technology**	No

Physical

Weight	0.45 lbs
Housing and Finish***	Glass, White
Optics	Optical Glass Diffusion
Beam Angle / Beam Spread	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	Medium Bi-Pin G13 socket (Non-Shunted Tombstone)
Line Voltage	Yes, (120V ~ 277V). Not for use with ballasts.

Certifications & Qualifications

UL (US and Canada)	Classified (UL1598-C)
RoHS Compliant	Contains no lead or mercury
FCC****	Compliant with Parts 15A/B
LM79, LM80, IES Files	Available. Contact Lunera.
DesignLights Consortium Listed	Yes, DLC 4.2

Warranty

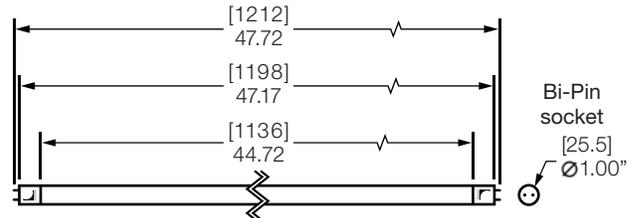
Warranty	Five-years
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CAUTION

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.

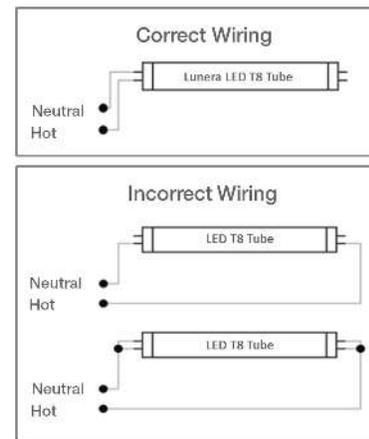
Dimensions



Application Notes

The LUNERA T8 LED 4FT may be used in open and IP67 rated enclosed fixtures. Indoors or outdoors.

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



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

- Installation with a ballast or LED Driver
- Installation in cracked, broken, dirty, or rusted tombstones
- Improper wiring to the lamp/tombstones

* 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. A UTT T-LED is safe to handle and installs about 50% faster because it is compatible with both Shunted and Non-Shunted G13 sockets.

*** 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.