

LUNERA T8 LED 2FT

8W LED Replacement for 2FT T8 Fluorescent Lamp

Type A - Ballast Driven

Description

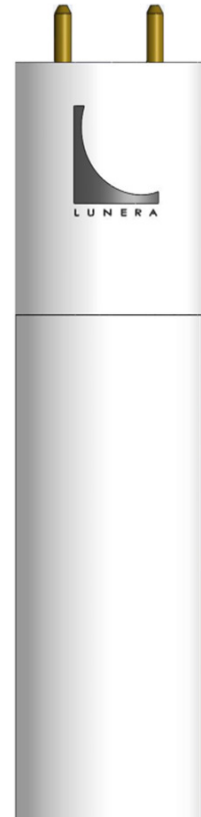
The **LUNERA T8 LED 2FT** is a plug-and-play (Type A, ballast driven) linear T-LED replacement for a 2FT, bi-pin T8 fluorescent lamp up to 20W. It operates off of the existing electronic ballast and supports instant start, rapid start and programmed start ballasts. No fixture rewiring is required.

This beautiful LED lamp emits light with a 330° Beam Spread, has a Color Rendering Index (CRI) of 80+ and delivers up to 1,200 lumens of usable light. The LUNERA T8 LED 2FT features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

This lamp includes Thermal Fuse Protection, with 5 fuses (one per pin and on the electronics board) that safely disable the lamp in the event of arcing or shorts due to faulty fixture wiring, ballast or degraded sockets.

The LUNERA T8 LED 2FT is rated at 50,000 hours and is backed by a five-year warranty. This lamp does not contain mercury, allowing for non-hazardous waste disposal.

This lamp does NOT support line voltage.



Features

- Directly replaces 8W 2FT bi-pin T8 fluorescent lamps with 8W LED
- Type A (ballast driven); plug-and-play Installation; supports existing T8 ballast (Instant Start / Rapid Start / Programmed Start)
- Delivers up to 1,200 lumens of usable light with >80CRI
- Thermal Fuse Protection for added safety
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70
- 5 Year Warranty



Ordering Information

Example: HN-T8-D-24-8W-830-G2

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Generation
HN Lunera T8 LED	T8 Bi-pin G13 T8 socket	D Supports electronic T8 fluorescent ballasts	24 24 inch tube	8W Replaces up to 20W with 1,200lm	830: 3000K 835: 3500K 840: 4000K 850: 5000K	G2 2nd Generation Frosted G2P 2nd Gen with NSF Certified P.E.T. ShatterGuard***

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Product Specifications

Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 1,200lm
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	Dependent of the ballast (Lamp operates off of rapid, instant, and programmed start electronic ballasts)
Lamp Power	8W
Total Power*	11W
Lamp Wattage Replaced	Up to 20W (T8)
Dimming	Contact Lunera for Compatibility
Ballast Factor	<1 The Lunera T8 lamp may be used with Low Ballast Factor (LBF) and Normal Ballast Factor (NBF) electronic ballasts.
Thermal Fuse Protection**	Yes

Physical

Weight	0.45 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	Bi-pin G13 (Shunted and Non-Shunted Tombstone)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

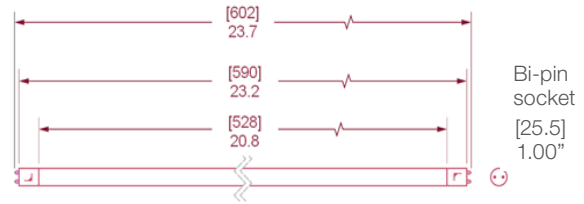
Certifications & Qualifications

UL (US and Canada)	Listed (UL1993)
RoHS Compliant	Contains no lead or mercury
LM79, LM80, IES Files	Available. Contact Lunera.
DesignLights Consortium Listed	Yes, 4.1

Warranty

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

Dimensions



Application Notes

The LUNERA T8 LED 2FT is NOT rated for use in gasketed, fully enclosed fixtures.

For applications containing dimming ballasts, please contact Lunera for specific compatibility.

The LUNERA T8 LED 2FT supports operation with LBF and NBF electronic ballasts.

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

- Gasketed, fully enclosed fixtures
- Installation with an incompatible ballast, line voltage or LED Driver
- Installation in cracked, broken, dirty, or rusty tombstones
- Installation in wet areas
- Improper ballast wiring (e.g. 4-lamp ballast wired to run a 2-lamp application)

* Total Power consumption shown is lamp power + Instant Start electronic ballast power

** Thermal fuses incorporated into Lunera's T8 LED lamps eliminate thermal/overheating issues when lamps installed in the following applications:

- Fully gasketed, enclosed fixtures (voids warranty)
- High Ballast Factors over-driving the lamp (voids warranty)
- Lamp installation with incorrect ballast-socket (tombstone) wiring (voids warranty)
- Hot-plugging that may lead to internal arcing (voids warranty)

*** P.E.T. ShatterGuard version of Lunera's T8 LED lamps are NSF certified (shatter proof / resistant).

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.