

LUNERA T8 LED 2FT

LED Replacement for Bi-pin 2FT T8 Fluorescent Lamp

Ballast Driven



Description

The Lunera T8 LED 2FT is an energy saving, linear LED replacement for a Ballast Driven, 17W, 2FT medium base, Bi-pin T8 fluorescent lamp. It operates off of the existing electronic ballast and supports instant start, rapid start and programmed start electronic ballasts.

This beautiful LED lamp emits light over 330° of its surface, has a Color Rendering Index (CRI) of 83 and delivers up to 1,100 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.

The Lunera T8 LED 2FT delivers over 50% energy savings and has a long lifespan rated at 50,000 hours and is supported by a five-year warranty. It contains no mercury allowing for non-hazardous waste disposal.

This lamp does NOT support line voltage.

Features

- Directly replaces 17W 2FT Bi-pin T8 fluorescent lamps
- Supports plug-and-play Ballast Driven installation
(Instant Start / Rapid Start / Programmed Start)
- Delivers up to 1,100 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-D-24-9W-830-G1

Series	Socket Type	Power Supply	Dimension	Lamp Wattage Replaced	CCT	Generation
HN Lunera T8 LED	T8 Fixture with medium, Bi-pin T8 socket	D Supports electronic T8 fluorescent ballast	24 24 inch tube	9W Replaces 17W, 2FT Medium Bi-pin T8 Fluorescent Lamp	830 3000 Kelvin 835 3500 Kelvin 840 4000 Kelvin 850 5000 Kelvin	G1 1st Generation Frosted G1P 1st Generation Frosted P.E.T

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

For Technical Support:

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

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Product Specifications

Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 1150lm
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	Dependent of the ballast (Lamp operates off of rapid, instant, and programmed start electronic ballasts)
Lamp Power	9W
Total Power	11W
Lamp Wattage Replaced	20W/17W and less
Dimming	Yes - ballast dependent
Ballast Factor	[0.88 ~ 1.00] The Lunera T8 LED 2FT will respond to Low Ballast Factor (LBF) and Normal Ballast Factor (NBF) electronic ballasts the same way as a fluorescent T8 lamp; ratings above are for a NBF ballast.

Physical

Weight	0.25 lbs
Housing and Finish	Glass, White
Optics	Optical Glass Diffusion
Beam Spread	330°
Beam Angle	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 T8 socket (Shunted and Non-Shunted Tombstone)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

Certifications & Qualifications

UL	Listed (UL1993)
RoHS Compliant	Contains no lead or mercury
DLC Listed	No
LM79, LM80, IES Files	Available. Contact Lunera.

Warranty

Warranty	5 years
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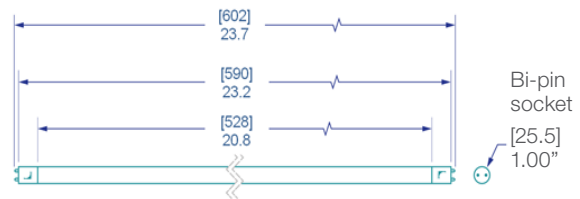
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Dimensions



Application Notes

The Lunera T8 LED 2FT may be used in open and 2-lamp IP67 rated enclosed fixtures, Indoors or outdoors.

This lamp supports shunted and non-shunted tombstones.

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

Estimated average performance data on 3000K CCT with LBF, NBF, and HBF ballast:

Ballast Factor	LBF (0.78)	NBF (0.88)	HBF (1.15)
Initial Lumens	900lm	1200lm*	1400lm
System Watts	8.5W	11W*	13W

*Reported by LM-79-08

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

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

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

- Fully enclosed fixtures
- Installation with an incompatible ballast, line voltage, or LED Drivers
- Installation in cracked, broken, dirty, or rusty tombstones
- Installation in wet areas
- Installation with HBF ballast reduces product warranty to 4 years
- Improper ballast wiring (e.g. 4-lamp ballast wired to run a 2-lamp application)

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.



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