

# LUNERA T8 LED 8FT

## LED Replacement for Single-Pin 8FT Fluorescent Tube

Ballast Driven



### Description

The LUNERA T8 LED 8FT is a plug-and-play LED replacement for a 54W, 59W, 60W, and 75W 8FT Single Pin (Fa8) T8 or T12 fluorescent lamp. It operates off of the existing electronic ballast and supports instant start, rapid start, and programmed start electronic ballasts.

This beautiful lamp emits light over 330° of its surface, has a Color Rendering Index (CRI) of 80 and delivers up to 3,500 lumens of usable light. The Lunera T8 LED 8FT is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The Lunera T8 LED 8FT delivers over 50% in energy savings and has a long lifespan rated at 50,000 hours. It is supported by a five-year warranty.

This device does NOT support line voltage.



### Features

- Directly replaces 54W/59W 8FT T8 or 60W/75W 8FT T12 fluorescent lamps with 24W LED lamps
- Supports plug-and-play Ballast Driven installation (Instant Start / Rapid Start / Programmed Start)
- Delivers up to 3,500 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-T8S-D-96-24W-840-G1

Series	Socket Type	Power Supply	Dimension	Lamp Wattage Replaced	CCT	Generation
<b>HN</b> Lunera T8 LED	<b>T8S</b> Fixture with Single-Pin (Fa8) sockets	<b>D</b> Installed Instant Start Electronic Ballast (54W ~ 75W)	<b>96</b> 8ft (96 inch) tube	<b>24W</b> Replaces 54W/59W T8 and 60W/75W T12 Single-Pin (Fa8) Fluorescent Lamp	<b>830</b> 3000 Kelvin <b>835</b> 3500 Kelvin <b>840</b> 4000 Kelvin <b>850</b> 5000 Kelvin	<b>G1</b> 1st Generation

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

## Product Specifications

### Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens:	Up to 3,500lm
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	24W
System Power (Lamp + Ballast)*	26W
Lamp Wattage Replaced	54W/59W T8 and 60W/75W T12
Dimming	Yes, If used with dimming ballast
Ballast Factor	Ballast Factor <1. The Lunera T8 LED will respond to Low Ballast Factor (LBF), Normal Ballast Factor (NBF), and High Ballast Factor (HBF) electronic ballasts the same way as a fluorescent T8 lamp; ratings above are for a NBF ballast.

### Physical

Weight	0.9 lbs
Housing and Finish	Glass, White
Optics	Optical Glass Diffusion, 330° Beam

### Environment

Ambient Operating Temp	-28°F to 113°F (-20°C to 45°C)
Ambient Operating Humidity	Dry and Damp Certified

### Installation

Socket Type	Single Pin (Fa8 Socket)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

### Certifications & Qualifications

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

### Warranty

Warranty	5 years
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\*System power consumption associated with instant start electronic ballast.

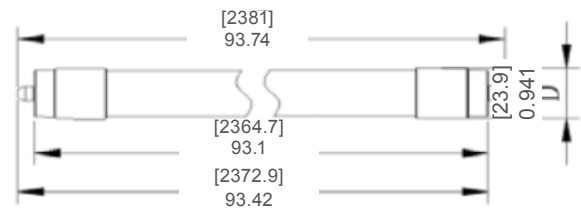
### For Technical Support:

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

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REV 11917

## Dimensions



## Application Notes

The Lunera T8 LED supports operation with LBF, NBF, and HBF electronic ballasts.

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)

## Socket Types

### Single-Pin (Fa8)



## 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 THE MANUFACTURER.

[www.lunera.com](http://www.lunera.com) T (650) 241-3875

