

LUNERA T8 LED 4FT

11W/15W LED Replacement for a 4FT T8 Fluorescent Lamp
Type A - Ballast Driven

Description

The **LUNERA T8 LED 4FT** is a plug and play (Type A, ballast driven) linear T-LED replacement for a 4FT bi-pin T8 fluorescent lamp up to 32W. It operates off of the existing electronic ballast. No fixture rewiring is required. It supports Instant-Start and selected Rapid- or Programmed-Start ballasts (check for ballast compatibility). It does **NOT** support line voltage or LED drivers.

This lamp includes Thermal Fuse Protection, with 5 fuses (one per pin and one on the electronics board) that safely disables the lamp in the event of thermal/overheating issues caused by arcing or shorts due to faulty fixture wiring, ballast failure, or socket degeneration.

This lamp emits beautiful light with a 330° Beam Angle, has a Color Rendering Index (CRI) of >80 and delivers up to 1,800 lumens (11W) or 2,200 lumens (15W) 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 does not contain mercury, allowing for non-hazardous waste disposal.

This SKU has a minimum order quantity of 1,225 and increments of 175 units.

Features

- Directly replaces 32W/30W/28W/25W 4ft Bi-pin T8 fluorescent lamps with 11W or 15W LED
- Type A (ballast driven); plug-and-play Installation; supports existing T8 Instant-, selected Rapid- and Programmed-Start ballasts
- Delivers up to 1,800lm (11W) or 2,200lm (15W) 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-48-11W-830-IS

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Type
HN Lunera T8 LED	T8 Bi-pin G13 T8 Shunted or Non-Shunted socket	D Supports electronic T8 fluorescent ballasts	48 48 inch tube	Replaces up to 32W with: 11W: 11W (up to 1,800lm) 15W: 15W (up to 2,200lm)	830: 3000K 835: 3500K 840: 4000K 850: 5000K	IS Instant-Start and select Rapid- or Programmed-Start ballasts

Product Specifications

Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens: (4000K/5000K)	Up to 1,800lm (11W) Up to 2,200lm (15W)
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 on the ballast (Instant-Start and selected Rapid- or Programmed-Start)
Lamp Power	11W or 15W
Total Power*	14.5W and 18W
Lamp Wattage Replaced	Up to 32W (T8)
Dimming	Yes, visit bit.ly/Lunera-Ballast-Lists
Ballast Factor [†]	<1 The Lunera T8 lamp may be used with Normal Ballast Factor (NBF) and Low Ballast Factor (LBF) electronic ballasts.
Thermal Fuse Protection**	Yes

Physical

Weight	0.45 lbs
Housing and Finish	Frosted White Glass, Gray Endcap
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	Bi-pin G13 (Shunted and Non-Shunted Tombstones)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

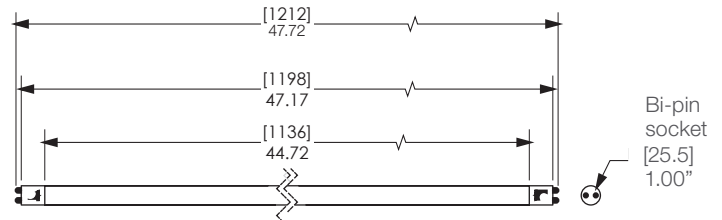
Certifications & Qualifications

UL (US and Canada)	Listed (UL1993)
RoHS Compliant LM79, LM80,	Contains no lead or mercury
IES Files	Available. Contact Lunera.
DesignLights Consortium Listed	Yes, 4.2

Warranty

Warranty	5 years
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Dimensions



Application Notes

[†] The Lunera T8 LED 4FT supports operation with Normal Ballast Factor (0.88) and Low Ballast Factor (0.77) electronic ballasts.

Average power is shown in the table below. For information regarding the specific ballasts used for testing, contact Lunera.

Ballast Factor Average Power and Lumens

Lunera Lamp	277V Ballast Type	Lamp Only Power	Total Power (Lamp + Ballast)	Lamp Lumens
HN-T8-D-48-11W-8xx-G2	NBF (0.88)	11.0W	14.2W	1,800lm
	LBF (0.77)	8.1W	11.3W	1,500lm
HN-T8-D-48-15W-8xx-G2	NBF (0.88)	15.0W	18.0W	2,200lm
	LBF (0.77)	11.0W	14.5W	1,900lm

For High Ballast Factor (1.18), confirm compatibility with Lunera.

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

- Installation with an incompatible ballast, line voltage or LED Driver
- Installation in cracked, broken, dirty, or rusted 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 enclosed (gasketed/sealed) fixtures
 - Lamp installation with incorrect ballast-socket (tombstone) wiring
 - Hot-plugging that may lead to internal arcing

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.