

LUNERA T5HO/T5 LED 4FT

25W/11W LED Replacement for Bi-Pin 4FT T5HO/T5 Fluorescent Lamps
Type A - Ballast Driven

Description

The **LUNERA T5HO LED 4FT** is a plug and play (Type A, ballast driven) linear T-LED replacement for a 54W, G5 bi-pin T5HO fluorescent lamp. It operates off of the existing electronic ballast and supports instant start, rapid start, and programmed start ballasts.

This LED lamp emits beautiful light with a 330° Beam Angle, has a Color Rendering Index (CRI) of 80+ and delivers up to 3,500 lumens of usable light. The T5HO/T5 LED 4FT features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

This lamp includes Thermal Fuse Switch protection to eliminate failures caused by overdriving the lamp or thermal/overheating issues as may be caused by arcing or incorrect ballast wiring. The Thermal Fuse Switch will disable the lamp until the temperature conditions are nominal, at which time the lamp will restart.

Additionally, the lamp is compatible with 28W T5 ballasts and may replace a T5 lamp. In this application, it is rated at 11W and delivers 1,300 lumens.

The LUNERA T5HO LED 4FT is rated at 50,000 hours. It is supported by a five-year warranty. This lamp contains no mercury allowing for non-hazardous waste disposal.

This lamp does not support line voltage and may be installed with Shunted or Non-Shunted mini G5 Tombstone sockets.

Features

- Directly replaces 54W 4FT bi-pin T5HO fluorescent lamps with 25W LED
- Also replaces 28W 4FT T5 fluorescent lamps with 11W LED (1,300lm)
- Plug-and-play Type A (ballast driven) installation. Supports Instant-, Rapid- and Programmed-Start Ballasts
- Delivers up to 3,500 lumens (T5HO) or 1,300 lumens (T5) of usable light with >80 CRI
- Thermal Fuse Switch protects against overheating caused by arcing or ballast failure
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70
- 5-Year Warranty

Ordering Information

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT
HN Lunera T5HO	T5 Bi-pin G5 sockets	D Supports electronic T5HO and T5 fluorescent ballasts	48 48 inch tube	25W Replaces: 54W T5HO with 3,500lm or 28W T5 with 1,300lm @ 11W	830: 3000K 835: 3500K 840: 4000K 850: 5000K



Check Ballast Compatibility*:



Example: HN-T5-D-48-25W-830

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

Product Specifications

Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K
Delivered Lumens	T5HO: Up to 3,500lm T5: Up to 1,300lm
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	T5HO: 25W T5: 11W
Total Power*	T5HO: 28W T5: 18W
Lamp Wattage Replaced	Up to 54W (T5HO) / 28W (T5)
Dimming	No
Ballast Factor	<1 The Lunera T5 lamp may be used with Low Ballast Factor (LBF) and Normal Ballast Factor (NBF) electronic ballasts.
Thermal Fuse Switch**	Yes

Physical

Weight	0.25 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	G5 bi-pin T5 socket (Shunted & Non-Shunted Tombstone)
Line Voltage	No, this lamp is NOT approved for use with line voltage.

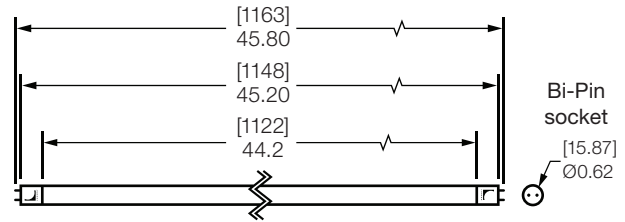
Certifications & Qualifications

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

Warranty

Warranty	5 years
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Dimensions



Photometric and Power Data

Photometric and power data with 54W and 28W ballasts:

Ballast Type	System Power	Lamp Lumens
54W T5HO*	28W	3,500lm
28W T5**	11W	1,300lm

* Performance with Sunpark 154T5HO

** Performance with Sylvania 2x28T5/UNV - 11W, 1300lm

Application Notes

The LUNERA T5HO LED 4FT may be used in open and enclosed fixtures, indoors or outdoors.

This lamp supports Shunted and Non-Shunted tombstones.

Product warranty will be voided if the lamp is installed:

- with incompatible ballasts
- in a fully enclosed fixtures
- in broken, cracked, dusty or rusty tombstones
- in fixtures with improper ballast wiring
- while the fixture is energized (hot plug-in)

* Total Power equals lamp power + ballast power.

** This lamp has integrated Thermal Fuse Switch protection to eliminate failures caused by overdriving the lamp or thermal/overheating issues as may occur when the lamp is installed in fully gasketed (sealed) fixtures, if the ballast-socket wiring is incorrect, or if the lamp is hot plugged that may lead to arcing. The Thermal Fuse Switch will disable the lamp until the temperature conditions are nominal, at which time the lamp will restart.

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.