

## LUNERA T5HO LED 4FT UTT

25W LED Replacement for 4FT T5HO Fluorescent Lamps

Type B - Double-Ended with UTT, Ballast Bypassed

### Description

The **LUNERA T5HO LED 4FT UTT** is a 25W line driven, (Type B, double-ended, ballast bypassed), linear LED replacement for a 4FT bi-pin T5HO fluorescent lamp up to 54W. Its built-in universal driver allows lamp operation at 120V-277V. Lunera's integrated Universal Tombstone Technology (UTT) makes this double-ended lamp faster and safer to install into either Shunted or Non-Shunted mini-G5 sockets. UTT lamps are certified by UL Classified for safe handling and can reduce installation time by half.

This lamp emits beautiful LED light with a 330° Beam Angle, it has a Color Rendering Index (CRI) of >80 and delivers up to 3,500 (25W) lumens of usable light. The LUNERA T5HO LED 4FT UTT features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The LUNERA T5HO LED 4FT UTT 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 Type B (ballast bypassed) lamp and does not support fluorescent T5HO/T5 ballasts or LED drivers. The fixture can have either Shunted or Non-Shunted G13 (Tombstone) sockets wired into AC line voltage.

### Features

- Directly replaces 54W 4FT T5HO fluorescent lamps with a 25W LED
- Line Driven (Type B, double-ended, ballast bypassed) Installation - supports line driven 120V-277V
- Universal Tombstone Technology supports lamp installation in Shunted and Non-Shunted mini-G5 tombstones
- Delivers up to 3,500 (25W/T5HO) lumens
- >80 CRI
- CCT 3000K, 3500K, 4000K and 5000K
- 50,000 hours life to L70
- 5 Year Warranty



### Ordering Information

Example: HN-T5-L-48-25W-830-UT

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Feature
<b>HN</b> Lunera T5 LED	<b>T5</b> Bi-pin G5 Shunted and Non-Shunted sockets	<b>L</b> Ballast Bypassed Supports 120V-277V	<b>48</b> 46 inch tube	<b>25W</b> Replaces: 25W T5HO @ 3,500lm	<b>830:</b> 3000K <b>835:</b> 3500K <b>840:</b> 4000K <b>850:</b> 5000K	<b>UT</b> Universal Tombstone Technology  (supports Shunted and Non-Shunted tombstones)

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 LED Selection
Lumen Maintenance (L70)	50,000+ hours life

### Electrical System

Power Factor	> 90%
Total Harmonic Distortion	< 20%
Input Voltage	120V ~ 277V
	50/60Hz AC Line Voltage
Total Power*	25W
Lamp Wattage Replaced	54W
Dimming	No
Universal Tombstone Technology**	Yes

### Physical

Weight	0.25 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	G5 bi-pin socket (Shunted or Non-Shunted Tombstones)
Line Voltage	Yes (120V-277V). Not for use with ballasts or LED drivers

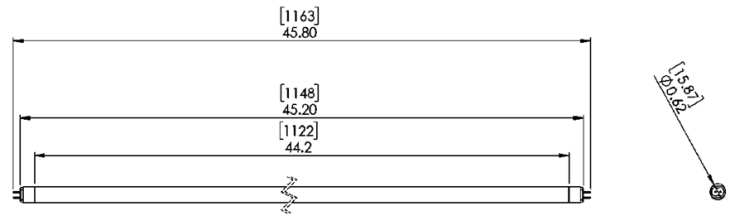
### Certifications & Qualifications

UL (US and Canada)	Classified (UL1598-C)
RoHS Compliant	Contains no lead or mercury
FCC***	Compliant with Parts 15A/B
LM79, LM80, IES Files	Available. Contact Lunera.

### Warranty

Warranty	5 years
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## Dimensions



## Application Notes

Lunera Universal Tombstone Technology allows lamp installation into Shunted and Non-Shunted mini G5 tombstones.

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

- Line voltage above 277VAC
- LED Drivers or with a ballast
- Gasketed (sealed), fully enclosed fixtures
- Installation in wet environments
- Installation in broken, cracked, dirty or rusted tombstones
- Improper wiring to the tombstones/lamp

\* Total Power equals lamp power because the ballast has been bypassed or removed.

\*\* Universal Tombstone Technology (UTT) is integrated electronics that makes a ballast bypassed T-LED double-ended. UTT T-LEDs are safe to handle and install about 50% faster because they are compatible with both Shunted and Non-Shunted G13 sockets.

\*\*\* Operation is subject to the following conditions:  
 (1) this device may not cause harmful interference, and  
 (2) this device must accept any interference received, including interference that may cause undesired operations.

## 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.

## Double-Ended Electrical Connection

The LUNERA T5HO LED 4FT UTT is driven by 120V/277V 60Hz AC.

**UTT**

