

# LUNERA HELEN LAMP T5HO

LED Replacement for Bi-Pin 4ft T5HO Fluorescent Lamp



## Description

The Helen Lamp T5HO is an energy saving, linear LED replacement for a 54W, 4ft G5 Bi-Pin T5HO 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 82 and delivers over 3,000 lumens of usable light. The Helen Lamp T5HO features a glass tube for improved optics and is available in 3000K, 3500K, 4000K and 5000K color temperatures.

The Helen Lamp T5HO 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 54W 4ft T5HO fluorescent lamps
- Supports plug-and-play ballast-driven installation
- Delivers over 3,000 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-T5-D-48-25W-830-G1

Series	Socket Type	Power Supply	Dimension	Lamp Wattage	CCT	Generation
<b>HN</b> Helen Lamp	<b>T5</b> Fixture with Bi-Pin G5 T5 sockets	<b>D</b> Supports electronic T5 fluorescent ballast	<b>48</b> 48 inch tube	<b>25W</b> Replaces 54W, 4ft T5HO 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 Frosted  <b>G1P</b> 1st Generation Frosted P.E.T

PROJECT	CONTACT	MODEL NO.
REFERENCE NO.	QUANTITY	DATE

## Product Specifications

### Illumination

Color Temperatures	3000K, 3500K, 4000K, 5000K	
Delivered Lumens	3000K	2,900lm
	3500K	3,000lm
	4000K	3,200lm
	5000K	3,200lm
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	25W
Total Power	28W
Lamp Wattage Replaced	54W and less
Dimming	No
Ballast Factor	The Helen Lamp T5HO will respond to Low Ballast Factor (LBF) and Normal Ballast Factor (NBF) electronic ballasts the same way as fluorescent T5HO 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	180°

### 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.

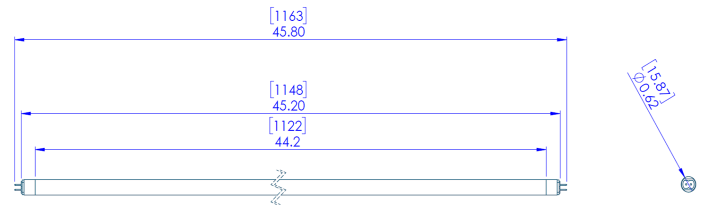
### Certifications & Qualifications

UL	Classified/Recognized
RoHS Compliant	Contains no lead or mercury
DLC Listed	Yes
LM79, LM80, IES Files	Available. Contact Lunera.

### Warranty

Warranty	5 years
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## Dimensions



## Application Notes

The Helen Lamp T5HO may be used in open and enclosed fixtures. Indoors or outdoors.

This lamp supports shunted and non-shunted tombstones.

## 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.