Norman Lamps, Inc. - Product Data – 48” Tube

High-Output™ T5 LED Lighting 25.5 Watts

*The High-Output™ T5 retrofit **LED** tube outperforms all other T5 **LED** technology*

- ***T5 High-Output LED 48” ballast compatible tube lamp for quick “Plug & Play” Installation.***
- Ballast Compatible, High Output LED Tube for direct retrofit of 54W fluorescent tubes
- Retrofits into most 48” ballasted T5 lighting fixtures with no rewiring required
- Compatible with most existing electronic ballast for quick and easy installations
- Ballast Compatible tubes provide 50% energy savings and a lifespan of 50,000 hours.
- Operating temperature range is -25°C ~ +40°C
- Plug & Play tube works with the existing lamp sockets*
- NSF-2 Certified LED Tube
- ***3,400 Lumens @ 25.5 Watts***
- ***48” Tube***

Specifications:

Factory test data results:

Model:	**LED-T5-48” Plug & Play** *High-Output™ T5*	
Wattage:	**25.5 Watts**	
Input Voltage:	**Ballast compatible only**	
Color Temp:	**3,500k, 4,000k, 5,000k**	
Lumens:	**3,400 Lumens @ 25.5 Watts** (>130lm/W)	
Viewing Angle:	**240 Degree viewing angle**	
Operating Temp:	**-25°C ~ 40°C**	
Life Hours:	**50,000 Hours**	
Dimensions:	**0.63” Diameter x 48” Length**	**Base: G5 Min. Bi-Pin**
Replaces:	**54W Fluorescent T5 tubes**	**Pack: 25/Case**

Certifications:

DLC 5.0

NSF Approved

ANSI American National Standards Institute

Features:

- **Plug & Play Installation (Ballast Compatible)**
- **Electronic Ballast Compatible**
- **High Output LED tube directly replaces 54w, T5 48” fluorescent tubes.**
- **LED tubes are clearly labeled with instructions for proper use**
- **Compatible with existing ballasts in fixture**
- **Compatible with existing lamp sockets***
- **>50% Energy Savings**
- **Tube is rated for use in food service industry**
- **>83 C.R.I.**
- **5 Year Warranty**
- **DLC 5.0 qualified**

Ordering:

NLI Ordering Code:

Model	–	Lumens	–	Color Temp.
LED-T525		34		XX
T5, 25.5W		34 (3,400lm)		35K (3,500k) DLC # CH1156HO-35 4K (4,000k) DLC # CH1156HO-40 5K (5,000k) DLC # CH1156HO-50

Verify DLC Certification and DLC Test Data Results at:
www.designlights.org

Note: Under **DLC 5.0**, the 5k tube is rated 3,300lm @ 22.5w

Important Caution Notice: *

It is critical to replace any damaged, broken, worn out or old lamp sockets before installing LED tubes. Failure to do so may result in electrical arcing or short which can lead to lamp failure. The condition of the lamp sockets should be determined solely by a qualified electrician trained in identifying lamp sockets in need of upgrade or replacement *before* converting to high end LED technology. While “Plug & Play” is a safe, simple and reliable retrofit method, we recommend, whenever possible, using the direct wire retrofit method and bypassing the existing ballast completely. By avoiding combining two different technologies, direct wire method effectively eliminates any possible anomalies or technical conflicts that might prevent the LED tube from achieving and operating at 100% of its designed values.

Applications and operating conditions vary greatly, and it is the responsibility of the installer or end user of the LED tube to verify that the part is compatible and suitable for their application. May not be suitable for use in fully enclosed fixtures including vapor tight fixtures. Use in these fixtures can cause premature failures and will void the warranty.