Norman Lamps, Inc. - Product Data ● 48” Tube ● DLC “B” only

Bypass™T8 LED Lighting

17 Watts ● 2,200 Lumens

*The Bypass™T8 is the perfect direct wire retrofit **LED** tube with built in double end wiring option.*

- Direct Line Voltage input with double end wiring option.
- Direct voltage Input range is 120VAC ~ 277VAC. (Double end voltage input)
- The *Bypass*™ ballast method is the safest and most reliable method of operating LED tubes*
- Internal thermal safety fuse provides added protection against driver overload.
- Can be direct wired to existing shunted or non-shunted sockets greatly simplifying the installation process
- Operating Temperature range is -25ºC ~ +40ºC
- Internal coated glass tube provides optimal, smooth and even light distribution
- LED tube can be *TUFF-COATED*™ for shatter protected applications
- ***2,200 Lumens @ 17 Watts***
- ***Qualified to DLC 4.2 & UL “B” Functions***
- ***48” Tube***

Specifications:

Factory test data:

Model:	**LED-T8-48” Tube**	**Series:** Bypass™T8	
Wattage:	**17 Watts**		
Input Voltage:	**Built-In universal voltage driver 120VAC~277VAC**		
Color Temp:	**3,500k, 4,000k, 5,000k, 6,500k**		
Lumens:	**2,200lm @ 17 Watts**	**C.R.I. >83**	
Viewing Angle:	**240 Degree viewing angle**		
Efficacy	**140lm/W**		
Life Hours:	**50,000Hrs**		
Dimensions:	**1” Diameter x 48” Length**	**Base: G-13 Bi-Pin**	
Replaces:	**32W Fluorescent T8 tubes**	**Pack: 30/Case**	

Certifications:

DLC 4.2 “B”

UL Type “B”

NSF Approved

ANSI American National Standards Institute

Features & Special Data:

- **Quick & Easy 120v~277v direct wire with shunted and non-shunted sockets**
- **Extends tube life and efficiency by using direct voltage input method, “B”**
- **Direct Voltage Input range is 120VAC~277VAC with double end wiring**
- **LED tubes are labeled with detailed installation instructions**
- **Cost effective, simple, safe, long life LED retrofit tube design**
- **50% Energy Reduction vs standard 32-watt fluorescent tubes**
- **May not be suitable for use in fully enclosed or vapor tight fixtures**
- **Operating temperature range -25ºC ~ +40ºC**
- **5 Year Warranty**

Ordering:

NLI Ordering Code:

Model		Lumens		Color Temp.
LED-T817	–	22	–	XXk

T8, 17W

22 (2,200lm)

4K (4,000k)
DLC # G1TP120-277-17/T8 G13DBP-4000K

5K (5,000k)
DLC # GG1TP120-277-17/T8 G13DBP-5000K

Verify DLC Certification and DLC Tested Data at:
www.designlights.org

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. Ballast bypass, “B”, is the best method for saving energy and reliably operating LED tubes. By avoiding combining two different technologies, ballast bypass 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 particular application. LED tubes 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.