




Distributed by: Norman Lamps, Inc. - Product Data – 48” Tube
 –DLC “B only” G1 TP120-277-14/T8 G13 DBP-LDV

Double End Bypass T8 LED

14 Watts • 1,800 Lumens

The *Double End Bypass T8* is a universal retrofit **LED** tube that outperforms all others.

- **Direct Line Voltage Operation 120-277volt Bypass.**
- **Bypass operation is the safest and most reliable method for operating LED tubes.**
- Operates on direct line voltage input where ballast bypass is the desired format.
- Bypassing the ballast optimizes lamp life and efficiency by eliminating any ballast anomalies that may exist.
- Direct voltage wiring is easy and instructions are included in each carton and marked on the part.
- Direct voltage Input range is 120VAC ~ 277VAC Double end wiring only.
- Works with Shunted or Non-shunted socket, making this the easiest ballast bypass option available. 
- Operating temperature range is -25°C ~ +40°C
- **1,800 Lumens @ 14 Watts 48” Tube**
- **Qualified to DLC 4.2 & UL “B” Functions**
- **All Glass construction with internal powder coating for smooth and even light distribution.**

Specifications:

Factory test data results:

Model:	LED-T8-48” Tube	Series:	<i>Bypass T8</i>
Wattage:	14 Watts		
Input Voltage:	120-277 volt		
Color Temp:	4000K and 5000K		
Lumens:	1,800lm @ 14 Watts	C.R.I.	85
Viewing Angle :	240 Degree viewing angle		
Efficacy	>140		
Life Hours:	>50,000Hrs		
Dimensions:	1” Diameter x 48” Length	Base:	G-13 Bi-Pin
Replaces:	32W Fluorescent T8 tubes	Pack:	30/Case

Features & Special Data:

- Quick and Easy “120-277v direct wire with shunted and non-shunted sockets.
- Extend tube life and efficiency by using direct voltage input method.
- Direct Voltage Input range is 120VAC~277VAC with double end power.
- 50% Energy Reduction with LED tubes vs 32-watt fluorescent tubes.
- All glass construction with internal powder gives perfectly smooth and even light distribution.
- 5 Year Warranty

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.

Important Caution Notice: *

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

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 is the best method for saving energy and reliably operating the LED tubes. 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.

Qualificaiton:



DLC Type B

Not all product variations listed on this page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search.



UL Type “B”



Manufactured by:
 Hengdian Group Tospo Lighting Co.,Ltd

Factory and DLC MODEL NUMBER
G1 TP120-277-14/T8 G13 DBP-LDV 4000K
G1 TP120-277-14/T8 G13 DBP-LDV 5000K