



LED Lamps - Tubes



Type B LED Tubes

Convert your existing linear fluorescent fixture to LED lighting without needing a comprehensive reinstall. LED tubes are ideal for those seeking high energy savings with minimal installation time. The existing fixture is wired to bypass the ballast, which further reduces energy use and eliminates the need to check ballast compatibility.

PERFORMANCE HIGHLIGHTS:

Single-Ended or Double-Ended Type B LED Tubes	
Light Output:	Up to 1,650 Lumens
CRI:	80
CCT:	3500K, 4000K, 5000K
Voltage:	120-277V
Efficiency:	Up to 194 LPW
Wattage:	8.5W
Life:	50,000 hours L70
Temperature Rating:	-20° to 45° C
Rating:	Damp
Fixtures:	Open or Enclosed

EXTENDED WARRANTY

5 years for 50,000 hours

FEATURES:

Safety First Built-In Protection:

- Internal Safety Switch-Provides protection for the installer
- Internal Misapplication Circuit: Provides protection if lamp is placed into ballasted fixture
- Optional In-line fuse kit to protect against future re-lamp misapplications (available for ordering separately)

Works with single-ended or double-ended wiring

BENEFITS:

- Direct wire to bypass the ballast; reduces energy use, eliminates ballast compatibility concerns and associated ballast maintenance costs
- No socket replacement necessary; tubes can be used with shunted or non-shunted sockets
- Tubes are capable of running off of single-ended or double-ended wiring, reducing SKU count

LEARN MORE:

To learn more about saving money and energy, go to www.LED.com.





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CUSTOMER NAME _____

PROJECT NAME _____

DATE _____

NOTES _____

Ballast Bypass Glass Tubes - Single-Ended or Double-Ended - Type B

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty ²	MOL (in)	Lumens (Initial)	Color Temp. (Initial)	CRI	Rated Life L70 (Hrs) ¹	Power Factor	DLC ^{3,4}	Location Rating ³	Additional Information
Ballast Bypass - 4ft XL Glass Tubes - Single-Ended or Double-Ended Wiring															
T8	G13	8.5	93323839	LED8BT8/G4/835XL	120-277	20	48	1600	3500K	80	50,000	>0.9	-	Damp	
	G13	8.5	93321550	LED8BT8/G4/840XL	120-277	20	48	1650	4000K	80	50,000	>0.9	-	Damp	
	G13	8.5	93323845	LED8BT8/G4/850XL	120-277	20	48	1650	5000K	80	50,000	>0.9	-	Damp	

¹ The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)

² Minimum order quantity = Carton Qty

³ UL 1993 Environmental Requirements for LED LAMPS

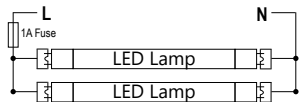
Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations

⁴ Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.

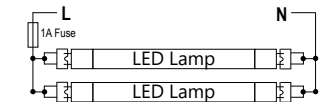
If lamp holders are shunted, follow instructions for double-ended wiring.

If lamp holders are not shunted, single-ended or double-ended wiring may be used.

Double-Ended Wiring with Shunted Lamp Holders



Double-Ended Wiring with Non-Shunted Lamp Holders



Single-Ended Wiring with Non-Shunted Lamp Holders

