Current LED25BDT5 LED Type B Double Ended T5 Glass Tubes Owner's Manual

Contents

Current

Current LED25BDT5 LED Type B Double Ended T5 Glass Tubes

LED Type B Tubes 120-347V

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. Additional maintenance savings are realized by removing costs associated with replacing ballasts.

PERFORMANCE HIGHLIGHTS

120-347V Type B Replacement Lamps
Light Output: 900 – 5,500 Lumens
CRI: 80
CCT: 3000K, 3500K, 4000K, 5000K
Input Voltage: 120-347
Efficiency: Up to 156 LPW
Wattage: 7W-42W (T8); 25W (T5)
Life: 50,000 hours L70
Temperature Rating: -20°C to 45°C
Location Rating: Damp

LIMITED WARRANTY
5 years

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

FEATURES

Flexibility:

- Use in 120V to 347V applications
- Simplify BOMs and stocking; reduce overall inventory

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
- In-line fuse kit protects the installer if LFL is reinstalled in the future (optional, sold separately)

BENEFITS

- Fast and easy LED upgrade
- Low energy LFL replacement
- 66% longer life than LFL (50,000 vs. 30,000 hours)
- Better quality of light – instant on

- Easy disposal, non-hazardous waste
- Additional ost savings by eliminating ballast energy usage and ballast replacement/maintenance costs
- Double-ended power means no socket replacement necessary – use with shunted or non-shunted sockets

120-347V Ballast Bypass Glass Tubes – 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®4	Location Rating[3]	Additional Information
120-347V Ballast Bypass - 8ft Glass Tubes															
T8	R17d	42	93309189	LED42BDT8/G8/R17d/840/120-347	120-347	20	96	5500	4000K	80	50,000	>0.9	-	Damp	
	R17d	42	93309190	LED42BDT8/G8/R17d/850/120-347	120-347	20	96	5500	5000K	80	50,000	>0.9	-	Damp	
	Fa8	42	93309184	LED42BDT8/G8/Fa8/835/120-347	120-347	20	96	5400	3500K	80	50,000	>0.9	Yes	Damp	
	Fa8	42	93309185	LED42BDT8/G8/Fa8/840/120-347	120-347	20	96	5500	4000K	80	50,000	>0.9	Yes	Damp	
	Fa8	42	93309186	LED42BDT8/G8/Fa8/850/120-347	120-347	20	96	5500	5000K	80	50,000	>0.9	Yes	Damp	
120-347V Ballast Bypass - 4ft Glass Tubes															
T8	G13	15	93150744	LED15BDT8/G4/830/120-347	120-347	20	48	2000	3000K	80	50,000	>0.9	Yes	Damp	
	G13	15	93150745	LED15BDT8/G4/835/120-347	120-347	20	48	2100	3500K	80	50,000	>0.9	Yes	Damp	
	G13	15	93150774	LED15BDT8/G4/840/120-347	120-347	20	48	2200	4000K	80	50,000	>0.9	Yes	Damp	
	G13	15	93150775	LED15BDT8/G4/850/120-347	120-347	20	48	2200	5000K	80	50,000	>0.9	Yes	Damp	
	G13	11.5	93305112	LED11BDT8/G4/830/120-347	120-347	20	48	1700	3000K	80	50,000	>0.9	Yes	Damp	
	G13	11.5	93305113	LED11BDT8/G4/835/120-347	120-347	20	48	1750	3500K	80	50,000	>0.9	Yes	Damp	
	G13	11.5	93305115	LED11BDT8/G4/840/120-347	120-347	20	48	1800	4000K	80	50,000	>0.9	Yes	Damp	
	G13	11.5	93305116	LED11BDT8/G4/850/120-347	120-347	20	48	1800	5000K	80	50,000	>0.9	Yes	Damp	
120-347V Ballast Bypass - 3ft Glass Tubes															
T8	G13	12	93309175	LED12BDT8/G3/830/120-347	120-347	20	36	1500	3000K	80	50,000	>0.9	Yes	Damp	
	G13	12	93309176	LED12BDT8/G3/835/120-347	120-347	20	36	1550	3500K	80	50,000	>0.9	Yes	Damp	
	G13	12	93309177	LED12BDT8/G3/840/120-347	120-347	20	36	1600	4000K	80	50,000	>0.9	Yes	Damp	
	G13	12	93309178	LED12BDT8/G3/850/120-347	120-347	20	36	1600	5000K	80	50,000	>0.9	Yes	Damp	
120-347V Ballast Bypass - 2ft Glass Tubes															
T8	G13	7	93309179	LED7BDT8/G2/830/120-347	120-347	20	24	900	3000K	80	50,000	>0.9	Yes	Damp	
	G13	7	93309180	LED7BDT8/G2/835/120-347	120-347	20	24	925	3500K	80	50,000	>0.9	Yes	Damp	
	G13	7	93309181	LED7BDT8/G2/840/120-347	120-347	20	24	950	4000K	80	50,000	>0.9	Yes	Damp	
	G13	7	93309182	LED7BDT8/G2/850/120-347	120-347	20	24	950	5000K	80	50,000	>0.9	Yes	Damp	

120-347V Ballast Bypass Glass Tubes – Double Ended – Type B – T5

Color Rated

Bulb Base Carton MOL Lumens Temp. Life L70 Power Location

Shape Type Watts Order Code Description
Volts Qty2 (in) (Initial) (Initial) CRI (Hrs)1 Factor DLC®4 Rating3 Additional Information

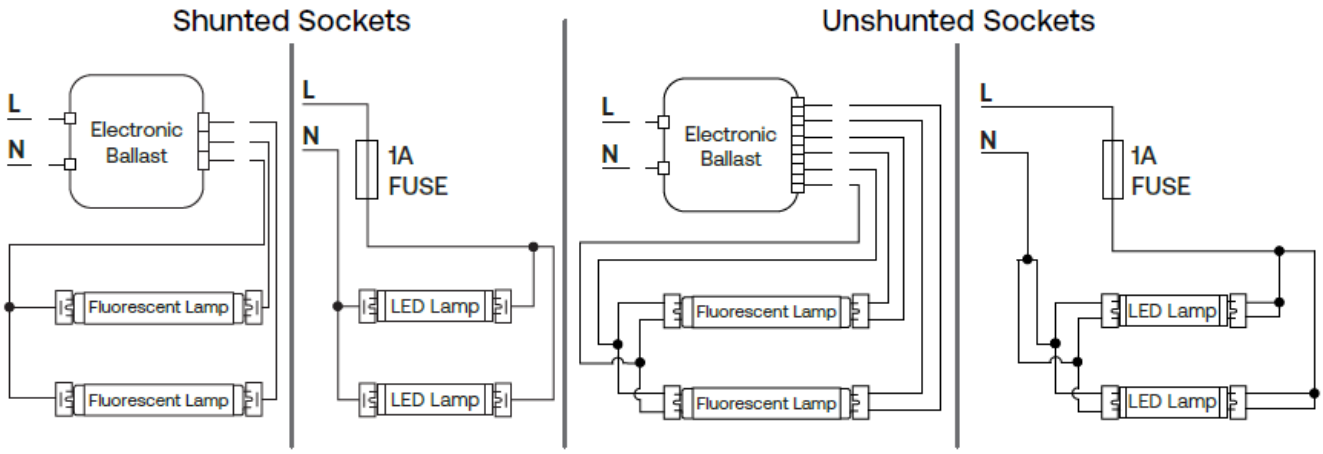
120-347V Ballast Bypass – 4ft T5 HO Glass Tubes

T5	G5	25	93305599	LED25BDT5/G4/835/120-347	120-347	25	46	3400	3500K	80	50,000	>0.9	Yes	Damp
	G5	25	93305600	LED25BDT5/G4/840/120-347	120-347	25	46	3500	4000K	80	50,000	>0.9	Yes	Damp
	G5	25	93305601	LED25BDT5/G4/850/120-347	120-347	25	46	3500	5000K	80	50,000	>0.9	Yes	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

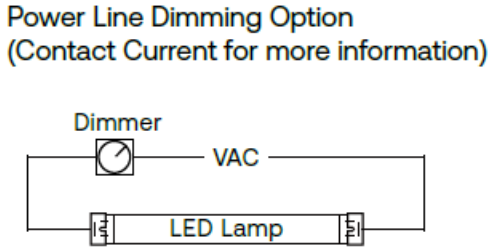
qualification.

Wiring Diagrams for Double-Ended Type B LED Tubes



Type B Tube Misapplication In-Line Fuse Kit

Order Code	Description	Kit Contents
39017	BT8-1AFUSEKIT	1 Fuse (1A), 1 Fuse Holder



Ballast Bypass Selectable LumenChoice® + SpectraChoice™ Glass Tubes – Double Ended – Type B

				Selectable	Selectable						
Bulb Base Selectable Order		**Carton**	**MOL**	**Lumens**	**Color Temp.**		**Rated Life**	**Power**		**Location**	
Shape Type Watts* Code Description	**Volts**	**Qty2**	**(in)**	**(Initial)5**	**(Initial)***	**CRI**	**L70 (Hrs)1**	**Factor**	**DLC® ID4**	**Rating3**	**Additional Information**
Ballast Bypass (Type B) – 4ft Glass Tubes											
10				1650	3000K						
T8 G13 13* 93313525 LEDLCBDT8/G4/8SCXL/120-347 120-347 20 48 2050* 3500K 80 5000K							70,000	>0.9	S-3PNRN2	Damp	Ballast Bypass
Ballast Bypass (Type B) – 3ft Glass Tubes											
10 1400 3000K T8 G13 12* 93313565 LEDLCBDT8/G3/8SC/120-347 120-347 20 36 1650* 3500K 80							70,000	>0.9	S-6N1DV1	Damp	Ballast Bypass

Ballast Bypass Selectable SpectraChoice™ Glass Tubes – Double Ended – Type B

Bulb Shape	Base Type	Watts	Order Code	Description	Volts	Carton Qty[2]	MOL (in)	Lumens (Initial)[5]	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs)[1]	Power Factor	DLC* ID[4]	Location Rating[3]	Additional Information
Ballast Bypass (Type B) - 4ft Glass Tubes															
T8	G13	16	93313519	LED16BDT8/G4/8SCXL/120-347	120-347	20	48	2550	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-Y9PPM3	Damp	Ballast Bypass
T8	G13	13	93313501	LED13BDT8/G4/8SCXL/120-347	120-347	20	48	2050	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-77F6BV	Damp	Ballast Bypass
T8	G13	10	93313483	LED10BDT8/G4/8SCXL/120-347	120-347	20	48	1650	3000K 3500K 4000K* 5000K	80	70,000	>0.9	S-MY0H3W	Damp	Ballast Bypass

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Frequently Asked Questions

- **Q: Can these LED tubes be used with both shunted and non-shunted sockets?**

  A: Yes, these LED Type B Tubes are compatible with both shunted and non-shunted sockets for added convenience.
- **Q: What is the expected lifespan of these LED tubes?**

A: The LED tubes have a rated life of 50,000 hours, ensuring long-lasting performance and energy savings.

- **Q: Do I need to check ballast compatibility when installing these LED tubes?**

  A: No, these LED tubes are designed for ballast bypass, eliminating the need to check ballast compatibility and reducing energy consumption.

Documents / Resources

	Current LED25BDT5 LED Type B Double Ended T5 Glass Tubes [pdf] Owner's Manual LED25BDT5-G4-835-120-347, LED15BDT8-G4-830-120-347, LED15BDT8-G4-835-120-347, LED15BDT8-G4-840-120-347, LED15BDT8-G4-850-120-347, LED11BDT8-G4-830-120-347, LED11BDT8-G4-835-120-347, LED11BDT8-G4-840-120-347, LED11BDT8-G4-850-120-347, LED25BDT5 LED Type B Double Ended T5 Glass Tubes, LED25BDT5, LED Type B Double Ended T5 Glass Tubes, Double Ended T5 Glass Tubes, T5 Glass Tubes, Glass Tubes

References

- LED Commercial Lighting and Lighting Controls | Current - GLI Brands
- User Manual