



# LED Type B T8

LiberaT8

Ballast Bypass



LED compatible replacement for linear fixtures that operate independently of ballasts.

## Reasons to choose LED Type B T8 from TCP

- >50% Energy savings vs. 32w fluorescent
- Long life: 50,000
- Bypass Application: 120-277V line voltage
- Instant on/off
- Non-flickering
- Double ended construction. Can be wired single ended.
- Shunted or non-shunted sockets
- UL rated for enclosed fixtures and damp locations
- No energy losses due to fluorescent ballast
- Replaces 2', 3', 4' T8 Fluorescent lamps
- 4' high lumen output available

## Ideal Applications

- Offices
- Restaurants
- Retail Stores
- Lobbies
- Schools
- Hospitals

## Specifications:

Base Types.....G13  
 Construction .....Double-ended  
 Minimum Starting Temperature Range:..... -22F / -30C  
 Maximum Operating Temperature..... 113F / 45C  
 Safety ..... UL Classified and UL Component  
 Listed ..... ETL Sanitation Listed to NSF Std. 2

Environment..... Damp/Dry Locations  
 Enclosed..... Suitable for enclosed luminaires  
 Rated Life..... L70 50,000+ hours  
 Beam Angle ..... 190°  
 Field Angle ..... 300°



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## Specifications:

### Shatterproof PET Coated Glass



### Listing



RECOGNIZED COMPONENT



5 YEAR WARRANTY

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4005203

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### All Glass

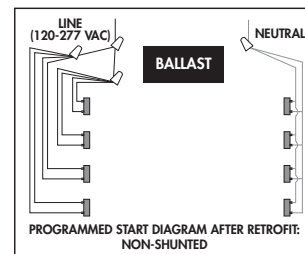
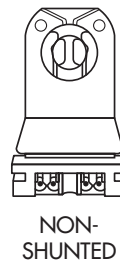
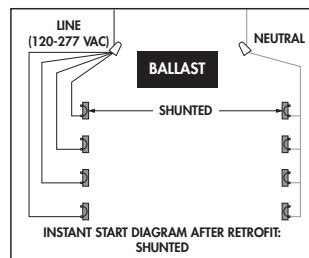
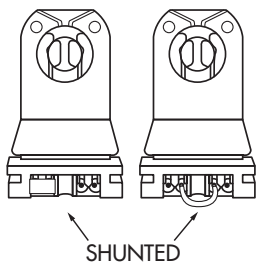


### Warranty

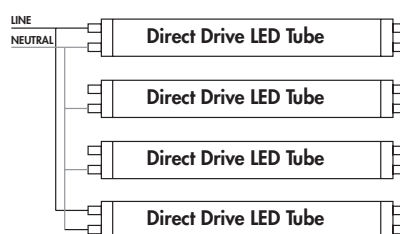
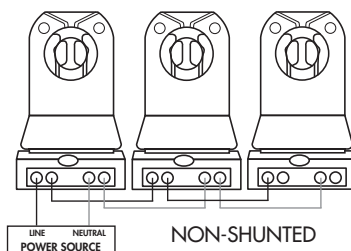
Five years against defects in manufacturing

## Wiring Diagrams:

### Double Ended Wiring



### Single Ended Wiring



Complete instructions [tcp.com](http://tcp.com) / Commercial lighting / Business Resource Center



# LED LiberaT8™ Tubes

## LED Ballast Bypass Double Ended T8 Tubes

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
<b>LED T8 BYPASS - DOUBLE END</b>											
<b>LED 13.5 WATT T8 TUBE – 4 FOOT</b> <b>DLC# L13T8BY50XXK / DLC# T804001AXXE / PET COATED NSF RATED</b> <b>xx = Color Temp</b>											
L13T8BY5030K	LED 13.5W 4' T8 2E BYPASS 30K	*	13.5	120-277V	32W	1800	133.3	G13	3000K	80	25
L13T8BY5035K	LED 13.5W 4' T8 2E BYPASS 35K	*	13.5	120-277V	32W	1800	133.3	G13	3500K	80	25
L13T8BY5041K	LED 13.5W 4' T8 2E BYPASS 41K	*	13.5	120-277V	32W	1900	140.7	G13	4100K	80	25
L13T8BY5050K	LED 13.5W 4' T8 2E BYPASS 50K	*	13.5	120-277V	32W	1900	140.7	G13	5000K	80	25
<b>LED 12 WATT T8 TUBE – 3 FOOT</b> <b>PET COATED NSF RATED</b>											
L12T8BY5030K	LED 12W 3' T8 2E BYPASS 30K		12	120-277V	25W	1200	100	G13	3000K	80	25
L12T8BY5035K	LED 12W 3' T8 2E BYPASS 35K		12	120-277V	25W	1200	100	G13	3500K	80	25
L12T8BY5041K	LED 12W 3' T8 2E BYPASS 41K		12	120-277V	25W	1200	100	G13	4100K	80	25
L12T8BY5050K	LED 12W 3' T8 2E BYPASS 50K		12	120-277V	25W	1200	100	G13	5000K	80	25
<b>LED 9 WATT T8 TUBE – 2 FOOT</b> <b>DLC# L9T8BY50XXK / PET COATED NSF RATED</b> <b>xx = Color Temp</b>											
L9T8BY5030K	LED 9W 2' T8 2E BYPASS 30K	*	9	120-277V	17W	1125	125	G13	3000K	80	25
L9T8BY5035K	LED 9W 2' T8 2E BYPASS 35K	*	9	120-277V	17W	1125	125	G13	3500K	80	25
L9T8BY5041K	LED 9W 2' T8 2E BYPASS 41K	*	9	120-277V	17W	1125	125	G13	4100K	80	25
L9T8BY5050K	LED 9W 2' T8 2E BYPASS 50K	*	9	120-277V	17W	1125	125	G13	5000K	80	25
<b>LED 13.5 WATT T8 TUBE – 4 FOOT</b> <b>DLC# T80415CXXE / DLC# T804001XXE</b> <b>xx = Color Temp</b>											
LT813B230K	LED 13.5W 4' T8 2E BYPASS 30K	*	13.5	120-277V	32W	1800	133.3	G13	3000K	80	25
LT813B235K	LED 13.5W 4' T8 2E BYPASS 35K	*	13.5	120-277V	32W	1800	133.3	G13	3500K	80	25
LT813B241K	LED 13.5W 4' T8 2E BYPASS 41K	*	13.5	120-277V	32W	1900	140.7	G13	4100K	80	25
LT813B250K	LED 13.5W 4' T8 2E BYPASS 50K	*	13.5	120-277V	32W	1900	140.7	G13	5000K	80	25
<b>LED T8 BYPASS - HIGH OUTPUT DOUBLE END</b>											
<b>LED 19 WATT T8 TUBE – 4 FOOT</b> <b>DLC# T80491XXE PET COATED NSF RATED</b> <b>xx = Color Temp</b>											
LPT819B230K	LED 19W 4' T8 2E BYPASS 30K SC	*	19	120-277V	32W	2500	131.5	G13	3000K	80	25
LPT819B235K	LED 19W 4' T8 2E BYPASS 35K SC	*	19	120-277V	32W	2500	131.5	G13	3500K	80	25
LPT819B241K	LED 19W 4' T8 2E BYPASS 41K SC	*	19	120-277V	32W	2500	131.5	G13	4100K	80	25
LPT819B250K	LED 19W 4' T8 2E BYPASS 50K SC	*	19	120-277V	32W	2500	131.5	G13	5000K	80	25
<b>LED 22 WATT T8 TUBE – 4 FOOT</b> <b>DLC# T80495XXE PET COATED NSF RATED</b> <b>xx = Color Temp</b>											
LPT822B230K	LED 22W 4' T8 2E BYPASS 35K SC	*	22	120-277V	32W	2900	131.8	G13	3000K	80	25
LPT822B235K	LED 22W 4' T8 2E BYPASS 35K SC	*	22	120-277V	32W	2900	131.8	G13	3500K	80	25
LPT822B241K	LED 22W 4' T8 2E BYPASS 41K SC	*	22	120-277V	32W	2900	131.8	G13	4100K	80	25
LPT822B250K	LED 22W 4' T8 2E BYPASS 50K SC	*	22	120-277V	32W	2900	131.8	G13	5000K	80	25
<b>LED 25 WATT T8 TUBE – 4 FOOT</b> <b>DLC# T80490XXE PET COATED NSF RATED</b> <b>xx = Color Temp</b>											
LPT825B230K	LED 25W 4' T8 2E BYPASS 30K SC	*	25	120-277V	32W	3200	128	G13	3000K	80	25
LPT825B235K	LED 25W 4' T8 2E BYPASS 35K SC	*	25	120-277V	32W	3200	128	G13	3500K	80	25
LPT825B241K	LED 25W 4' T8 2E BYPASS 41K SC	*	25	120-277V	32W	3200	128	G13	4100K	80	25
LPT825B250K	LED 25W 4' T8 2E BYPASS 50K SC	*	25	120-277V	32W	3200	128	G13	5000K	80	25
<b>LED T8 BYPASS - U6 DOUBLE END PLASTIC</b>											
<b>LED 15 WATT PLASTIC T8 TUBE – U BEND</b> <b>DLC# T80U04XXE</b> <b>xx = Color Temp</b>											
LPT8U615B230K	LED 15.5W U6 T8 2E BYPASS 30K	*	15.5	120-277V	32W	2000	129	G13	3000K	80	12
LPT8U615B235K	LED 15.5W U6 T8 2E BYPASS 35K	*	15.5	120-277V	32W	2000	129	G13	3500K	80	12
LPT8U615B241K	LED 15.5W U6 T8 2E BYPASS 41K	*	15.5	120-277V	32W	2100	135.4	G13	4100K	80	12
LPT8U615B250K	LED 15.5W U6 T8 2E BYPASS 50K	*	15.5	120-277V	32W	2100	135.4	G13	5000K	80	12

For the most up-to-date specs and warranty information, please visit [www.tcpinc.com](http://www.tcpinc.com)

TCP®

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RECOGNIZED COMPONENT



Intertek 4005203

CONFORMS TO NSF STD. 2

5 YEAR WARRANTY

# TECHNOLOGY CAST IN A BEAUTIFUL LIGHT

For over 20 years, TCP has been designing, developing and delivering energy-efficient lighting into the market. Thanks to our cutting-edge technology and manufacturing expertise, we have shipped billions of high quality lighting products. With TCP, you can count on a lighting product that is designed to meet the needs of the market - that transforms your surroundings and envelopes you in warmth - lighting that generates beauty with every flip of the switch.

For more information on the quality and care TCP can deliver, call us at **800.324.1496** or visit [tcp.com](http://tcp.com)

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