



# 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
- Single/Double 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 ..... Single/Double Ended  
 Minimum Starting Temperature Range:..... -22F / -30C  
 Maximum Operating Temperature..... 113F / 45C  
 Safety ..... UL Classified and UL Component Listed  
 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



G13 base

### Listing



RECOGNIZED COMPONENT



5 YEAR WARRANTY

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### All Glass



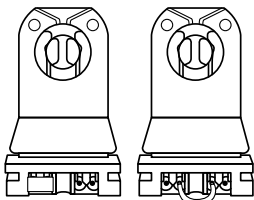
G13 base

### Warranty

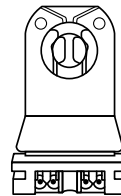
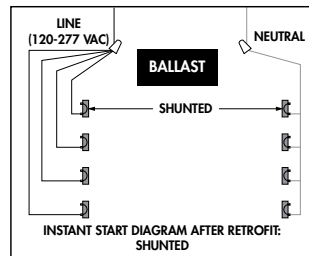
Five years against defects in manufacturing

## Wiring Diagrams:

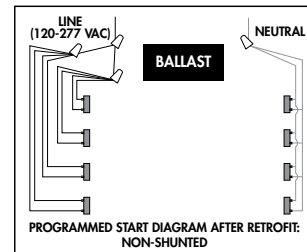
### Double Ended Wiring



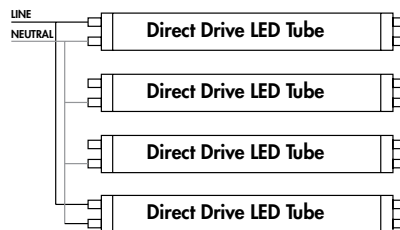
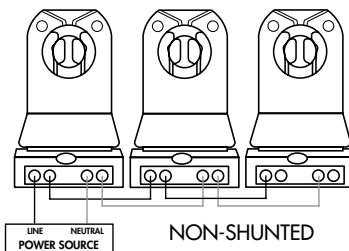
SHUNTED



NON-SHUNTED



### Single Ended Wiring



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

RECOGNIZED COMPONENT



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# LED LiberaT8™ Tubes

## LED Ballast Bypass Single/Double Ended T8 Tubes

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
<b>LED T8 BYPASS - SINGLE/DOUBLE ENDED</b>											
<b>LED 13.5 WATT T8 TUBE – 4 FOOT      DLC# L13T8BY50XXK / DLC# T804001AXXE / PET COATED NSF RATED</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      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      DLC# L9T8BY50XXK / PET COATED NSF RATED</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 10.5 WATT T8 TUBE – 4 FOOT      DLC# T804009XXE</b>											
LT810B235K	LED 10.5W 4' T8 2E BY 35K	*	10.5	120-277V	32W	1650	157.1	G13	3500K	80	25
LT810B241K	LED 10.5W 4' T8 2E BY 41K	*	10.5	120-277V	32W	1650	157.1	G13	4100K	80	25
LT810B250K	LED 10.5W 4' T8 2E BY 50K	*	10.5	120-277V	32W	1650	157.1	G13	5000K	80	25
<b>LED 13.5 WATT T8 TUBE – 4 FOOT      DLC# T80415CXXE / DLC# T804001XXE</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
LT813B265K	LED 13.5W 4' T8 2E BYPASS 65K		13.5	120-277V	32W	1900	140.7	G13	6500K	80	25
<b>LED T8 BYPASS - HIGH OUTPUT SINGLE/DOUBLE ENDED</b>											
<b>LED 18.5 WATT T8 TUBE – 4 FOOT      DLC# T804007AXXE / PET COATED NSF RATED</b>											
LPT818B230K	LED 18.5W 4' T8 BY 2E 30K SC	*	18.5	120-277V	32W	2450	132.4	G13	3000K	80	25
LPT818B235K	LED 18.5W 4' T8 BY 2E 35K SC	*	18.5	120-277V	32W	2450	132.4	G13	3500K	80	25
LPT818B241K	LED 18.5W 4' T8 BY 2E 41K SC	*	18.5	120-277V	32W	2600	140.5	G13	4100K	80	25
LPT818B250K	LED 18.5W 4' T8 BY 2E 50K SC	*	18.5	120-277V	32W	2600	140.5	G13	5000K	80	25
<b>LED 24.5 WATT T8 TUBE – 4 FOOT      DLC# T804004AXXE / PET COATED NSF RATED</b>											
LPT824B230K	LED 24.5W 4' T8 BY 2E 30K SC	*	24.5	120-277V	32W	2850	116.3	G13	3000K	80	25
LPT824B235K	LED 24.5W 4' T8 BY 2E 35K SC	*	24.5	120-277V	32W	2850	116.3	G13	3500K	80	25
LPT824B241K	LED 24.5W 4' T8 BY 2E 41K SC	*	24.5	120-277V	32W	3000	122.4	G13	4100K	80	25
LPT824B250K	LED 24.5W 4' T8 BY 2E 50K SC	*	24.5	120-277V	32W	3000	122.4	G13	5000K	80	25

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

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5 YEAR WARRANTY

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# LED LiberaT8™ Tubes

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
<b>LED 19 WATT T8 TUBE – 4 FOOT</b>		<b>DLC# T80491XXE PET COATED NSF RATED • PHASE OUT</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
<b>LED 22 WATT T8 TUBE – 4 FOOT</b>		<b>DLC# T80495XXE PET COATED NSF RATED • PHASE OUT</b>									
LPT822B230K	LED 22W 4' T8 2E BYPASS 30K 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
<b>LED 25 WATT T8 TUBE – 4 FOOT</b>		<b>DLC# T80490XXE PET COATED NSF RATED • PHASE OUT</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
<b>LED T8 BYPASS - U6 DOUBLE ENDED PLASTIC</b>											
<b>LED 15.5 WATT PLASTIC T8 TUBE – U6</b>		<b>DLC# T80U04XXE NSF RATED</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.tcpi.com](http://www.tcpi.com)



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Type:

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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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