



# LED T8 Type B

## Ballast Bypass



TCP's LED T8 Type B tubes offer the perfect LED compatible replacement for linear fixtures that operate independently of ballasts.

### Reasons to choose LED T8 Type B 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:.....-22°F / -30°C  
 Maximum Operating Temperature..... 113°F / 45°C  
 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°



RECOGNIZED COMPONENT



Intertek  
 4005203

5 YEAR WARRANTY

## Specifications:

Shatterproof PET Coated Glass



G13 base

All Glass



G13 base

Listing



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5 YEAR WARRANTY

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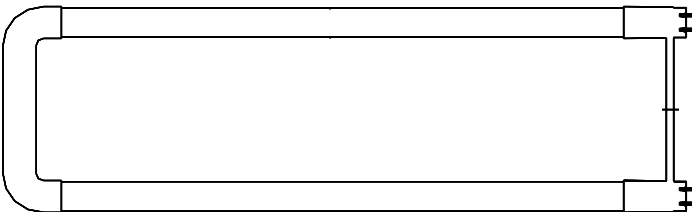
4005203

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Warranty

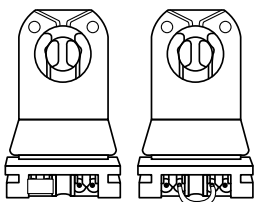
Five years against defects in manufacturing

U-Lamp - LED 15.5 WATT PLASTIC T8 TUBE

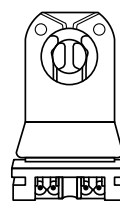
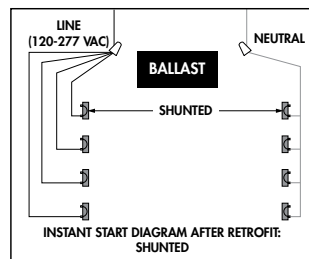


## Wiring Diagrams:

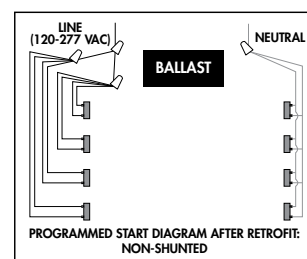
### Double Ended Wiring



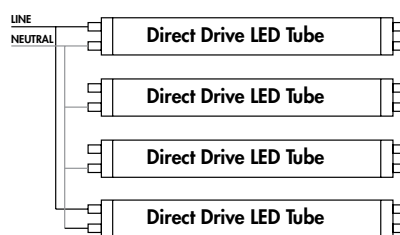
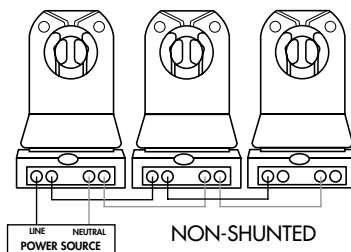
SHUNTED



NON-SHUNTED



### Single Ended Wiring



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

RECOGNIZED COMPONENT



Intertek

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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      PET COATED NSF RATED</b>											
L13T8BY5030K	LED 13.5W 4' T8 2E BYPASS 30K	T804001A30E	13.5	120-277V	32W	1700	133.3	G13	3000K	80	25
L13T8BY5035K	LED 13.5W 4' T8 2E BYPASS 35K	T804001A35E	13.5	120-277V	32W	1700	133.3	G13	3500K	80	25
L13T8BY5041K	LED 13.5W 4' T8 2E BYPASS 41K	T804001A41E	13.5	120-277V	32W	1800	140.7	G13	4100K	80	25
L13T8BY5050K	LED 13.5W 4' T8 2E BYPASS 50K	T804001A50E	13.5	120-277V	32W	1800	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	L12T8BY5030K	12	120-277V	25W	1200	100	G13	3000K	80	25
L12T8BY5035K	LED 12W 3' T8 2E BYPASS 35K	L12T8BY5035K	12	120-277V	25W	1200	100	G13	3500K	80	25
L12T8BY5041K	LED 12W 3' T8 2E BYPASS 41K	L12T8BY5041K	12	120-277V	25W	1450	100	G13	4100K	80	25
L12T8BY5050K	LED 12W 3' T8 2E BYPASS 50K	L12T8BY5050K	12	120-277V	25W	1450	100	G13	5000K	80	25
<b>LED 9 WATT T8 TUBE – 2 FOOT      PET COATED NSF RATED</b>											
L9T8BY5030K	LED 9W 2' T8 2E BYPASS 30K	L9T8BY5030K	9	120-277V	17W	1100	125	G13	3000K	80	25
L9T8BY5035K	LED 9W 2' T8 2E BYPASS 35K	L9T8BY5035K	9	120-277V	17W	1100	125	G13	3500K	80	25
L9T8BY5041K	LED 9W 2' T8 2E BYPASS 41K	L9T8BY5041K	9	120-277V	17W	1150	125	G13	4100K	80	25
L9T8BY5050K	LED 9W 2' T8 2E BYPASS 50K	L9T8BY5050K	9	120-277V	17W	1150	125	G13	5000K	80	25
<b>LED 5.5 WATT T8 TUBE – 4 FOOT      FROSTED GLASS</b>											
LT805B241K	LED 5.5W 4' T8 2E BY 41K		5.5	120-277V	32W	900	163	G13	4100K	80	25
LT805B250K	LED 5.5W 4' T8 2E BY 50K		5.5	120-277V	32W	900	163	G13	5000K	80	25
<b>LED 10.5 WATT T8 TUBE – 4 FOOT      FROSTED GLASS</b>											
LT810B235K	LED 10.5W 4' T8 2E BY 35K	T80400935E	10.5	120-277V	32W	1650	157.1	G13	3500K	80	25
LT810B241K	LED 10.5W 4' T8 2E BY 41K	T80400941E	10.5	120-277V	32W	1650	157.1	G13	4100K	80	25
LT810B250K	LED 10.5W 4' T8 2E BY 50K	T80400950E	10.5	120-277V	32W	1650	157.1	G13	5000K	80	25
<b>LED 13.5 WATT T8 TUBE – 4 FOOT      FROSTED GLASS</b>											
LT813B230K	LED 13.5W 4' T8 2E BYPASS 30K	T80400130E	13.5	120-277V	32W	1700	133.3	G13	3000K	80	25
LT813B235K	LED 13.5W 4' T8 2E BYPASS 35K	T80400135E	13.5	120-277V	32W	1700	133.3	G13	3500K	80	25
LT813B241K	LED 13.5W 4' T8 2E BYPASS 41K	T80400141E	13.5	120-277V	32W	1800	140.7	G13	4100K	80	25
LT813B250K	LED 13.5W 4' T8 2E BYPASS 50K	T80400150E	13.5	120-277V	32W	1800	140.7	G13	5000K	80	25
LT813B265K	LED 13.5W 4' T8 2E BYPASS 65K		13.5	120-277V	32W	1800	140.7	G13	6500K	80	25
<b>LED T8 BYPASS - HIGH OUTPUT SINGLE/DOUBLE ENDED</b>											
<b>LED 15 WATT T8 TUBE – 4 FOOT      PET COATED NSF RATED</b>											
LPT815B235K	LED 15W 4' T8 2E BYPASS 35K	T804008A35E	15	120-277V	32W	2100	140	G13	3500K	80	25
LPT815B241K	LED 15W 4' T8 2E BYPASS 41K	T804008A41E	15	120-277V	32W	2200	146.7	G13	4100K	80	25
LPT815B250K	LED 15W 4' T8 2E BYPASS 50K	T804008A50E	15	120-277V	32W	2200	146.7	G13	5000K	80	25
<b>LED 18.5 WATT T8 TUBE – 4 FOOT      PET COATED NSF RATED</b>											
LPT818B230K	LED 18.5W 4' T8 BY 2E 30K SC	T804007A30E	18.5	120-277V	32W	2450	132.4	G13	3000K	80	25
LPT818B235K	LED 18.5W 4' T8 BY 2E 35K SC	T804007A35E	18.5	120-277V	32W	2450	132.4	G13	3500K	80	25
LPT818B241K	LED 18.5W 4' T8 BY 2E 41K SC	T804007A41E	18.5	120-277V	32W	2600	140.5	G13	4100K	80	25
LPT818B250K	LED 18.5W 4' T8 BY 2E 50K SC	T804007A50E	18.5	120-277V	32W	2600	140.5	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 24.5 WATT T8 TUBE – 4 FOOT</b>											
<b>PET COATED NSF RATED</b>											
LPT824B230K	LED 24.5W 4' T8 BY 2E 30K SC	T804004A30E	24.5	120-277V	32W	2850	116.3	G13	3000K	80	25
LPT824B235K	LED 24.5W 4' T8 BY 2E 35K SC	T804004A35E	24.5	120-277V	32W	2850	116.3	G13	3500K	80	25
LPT824B241K	LED 24.5W 4' T8 BY 2E 41K SC	T804004A41E	24.5	120-277V	32W	3000	122.4	G13	4100K	80	25
LPT824B250K	LED 24.5W 4' T8 BY 2E 50K SC	T804004A50E	24.5	120-277V	32W	3000	122.4	G13	5000K	80	25
<b>LED 19 WATT T8 TUBE – 4 FOOT</b>											
<b>PET COATED NSF RATED • PHASE OUT</b>											
LPT819B230K	LED 19W 4' T8 2E BYPASS 30K SC	T8049130E	19	120-277V	32W	2500	131.5	G13	3000K	80	25
LPT819B235K	LED 19W 4' T8 2E BYPASS 35K SC	T8049135E	19	120-277V	32W	2500	131.5	G13	3500K	80	25
<b>LED 22 WATT T8 TUBE – 4 FOOT</b>											
<b>PET COATED NSF RATED • PHASE OUT</b>											
LPT822B230K	LED 22W 4' T8 2E BYPASS 30K SC	T8049530E	22	120-277V	32W	2900	131.8	G13	3000K	80	25
<b>LED 25 WATT T8 TUBE – 4 FOOT</b>											
<b>PET COATED NSF RATED • PHASE OUT</b>											
LPT825B230K	LED 25W 4' T8 2E BYPASS 30K SC	T8049030E	25	120-277V	32W	3200	128	G13	3000K	80	25
LPT825B235K	LED 25W 4' T8 2E BYPASS 35K SC	T80490353	25	120-277V	32W	3200	128	G13	3500K	80	25
<b>LED T8 BYPASS - U6 DOUBLE ENDED</b>											
<b>LED 15.5 WATT PLASTIC T8 TUBE – U6</b>											
<b>PLASTIC NSF RATED</b>											
LPT8U615B230K	LED 15.5W U6 T8 2E BYPASS 30K	T804008A30E	15.5	120-277V	32W	2000	129	G13	3000K	80	12
LPT8U615B235K	LED 15.5W U6 T8 2E BYPASS 35K	T804008A35E	15.5	120-277V	32W	2000	129	G13	3500K	80	12
LPT8U615B241K	LED 15.5W U6 T8 2E BYPASS 41K	T804008A41E	15.5	120-277V	32W	2100	135.4	G13	4100K	80	12
LPT8U615B250K	LED 15.5W U6 T8 2E BYPASS 50K	T804008A50E	15.5	120-277V	32W	2100	135.4	G13	5000K	80	12

## Emergency Ballasts Compatible with LED LiberaT8™

BODINE	EIIS-20
	EIIS-100
IOTA	ILBLP CP3- HE SD HV

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

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5 YEAR WARRANTY

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# 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.

Sales:

Date:

Model:

Project:

Rep:

Catalog Number:

Type:

Notes:



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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