



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°



Intertek
 4005203
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Specifications:

Shatterproof PET Coated Glass



G13 base

All Glass



G13 base

Listing



RECOGNIZED COMPONENT



5 YEAR WARRANTY

Intertek

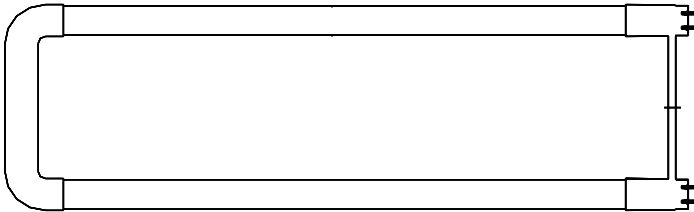
4005203

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Warranty

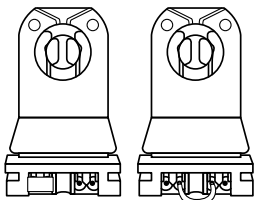
Five years against defects in manufacturing

U-Lamp - LED 15.5 WATT PLASTIC T8 TUBE

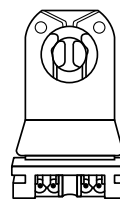
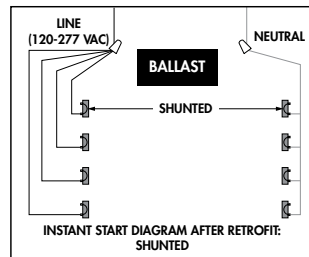


Wiring Diagrams:

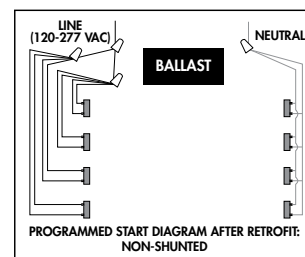
Double Ended Wiring



SHUNTED

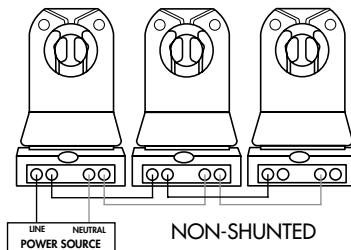


NON-SHUNTED

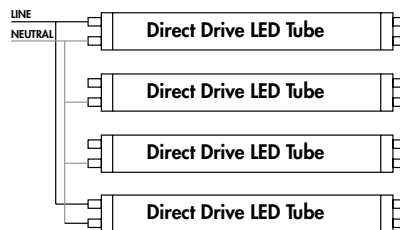


PROGRAMMED START DIAGRAM AFTER RETROFIT: NON-SHUNTED

Single Ended Wiring



NON-SHUNTED



Complete instructions tcp.com / Commercial lighting / Business Resource Center



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
LED T8 BYPASS - SINGLE/DOUBLE ENDED											
LED 13.5 WATT T8 TUBE – 4 FOOT DLC# L13T8BY50XXK / DLC# T804001AXXE / PET COATED NSF RATED											
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
LED 12 WATT T8 TUBE – 3 FOOT PET COATED NSF RATED											
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
LED 9 WATT T8 TUBE – 2 FOOT DLC# L9T8BY50XXK / PET COATED NSF RATED											
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
LED 10.5 WATT T8 TUBE – 4 FOOT DLC# T804009XXE											
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
LED 13.5 WATT T8 TUBE – 4 FOOT DLC# T80415CXXE / DLC# T804001XXE											
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
LED T8 BYPASS - HIGH OUTPUT SINGLE/DOUBLE ENDED											
LED 15 WATT T8 TUBE – 4 FOOT DLC# T804008XXE / PET COATED NSF RATED											
LPT815B235K	LED 15W 4' T8 2E BYPASS 35K	*	15	120-277V	32W	2100	140	G13	3500K	80	25
LPT815B241K	LED 15W 4' T8 2E BYPASS 41K	*	15	120-277V	32W	2200	146.7	G13	4100K	80	25
LPT815B250K	LED 15W 4' T8 2E BYPASS 50K	*	15	120-277V	32W	2200	146.7	G13	5000K	80	25
LED 18.5 WATT T8 TUBE – 4 FOOT DLC# T804007AXXE / PET COATED NSF RATED											
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

For the most up-to-date specs and warranty information, please visit www.tcpi.com

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5 YEAR WARRANTY

CONFORMS TO NSF STD. 2



LED LiberaT8™ Tubes

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
LED 24.5 WATT T8 TUBE – 4 FOOT											
DLC# T804004AXXE / PET COATED NSF RATED											
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
LED 19 WATT T8 TUBE – 4 FOOT											
DLC# T80491XXE PET COATED NSF RATED • PHASE OUT											
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
LED 22 WATT T8 TUBE – 4 FOOT											
DLC# T80495XXE PET COATED NSF RATED • PHASE OUT											
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
LED 25 WATT T8 TUBE – 4 FOOT											
DLC# T80490XXE PET COATED NSF RATED • PHASE OUT											
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
LED T8 BYPASS - U6 DOUBLE ENDED PLASTIC											
LED 15.5 WATT PLASTIC T8 TUBE – U6											
DLC# T80U04XXE NSF RATED											
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.tcp.com



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

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