



LiberaT8
LED

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

- Over 50% energy savings compared to fluorescent alternatives
- Long life: 50,000 hours
- 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
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°

TCP®

325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcp.com



RECOGNIZED
COMPONENT



Intertek
4005203

CONFORMS TO NSF STD. 2

5 YEAR
WARRANTY



LED LiberaT8™ Tubes

Specifications

Shatterproof PET Coated Glass



G13 base

All Glass



G13 base

Listing



RECOGNIZED
COMPONENT



Intertek
4005203

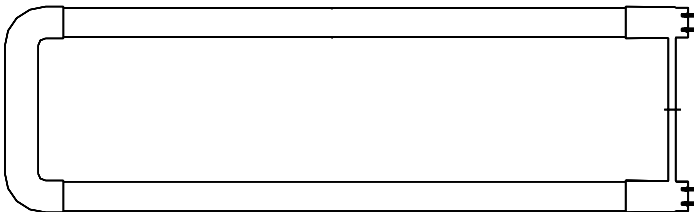
CONFORMS TO NSF STD. 2

5 YEAR
WARRANTY

Warranty

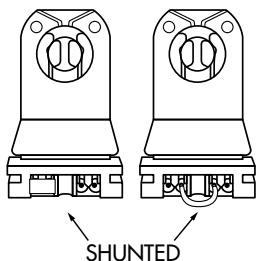
Five years against defects in manufacturing

U-Lamp - LED 15.5 WATT PLASTIC T8 TUBE

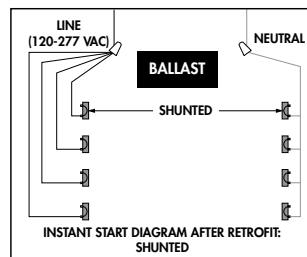


Wiring Diagrams

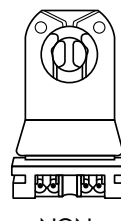
Double Ended Wiring



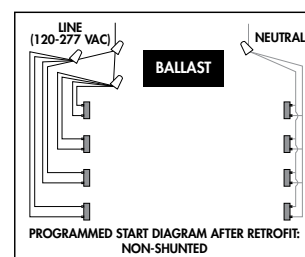
SHUNTED



INSTANT START DIAGRAM AFTER RETROFIT:
SHUNTED

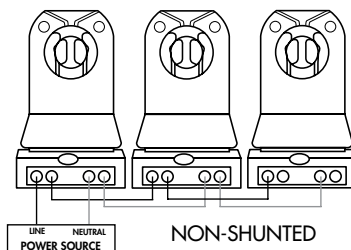


NON-SHUNTED

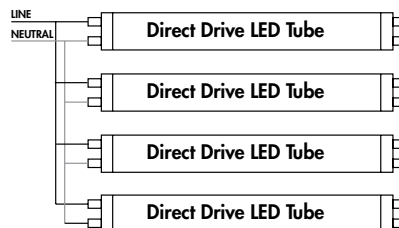


PROGRAMMED START DIAGRAM AFTER RETROFIT:
NON-SHUNTED

Single Ended Wiring



NON-SHUNTED



Complete instructions tcpi.com / Business Resources / Business Resource Center

TCP®

325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcpi.com



RECOGNIZED
COMPONENT



Intertek
4005203

CONFORMS TO NSF STD. 2

5 YEAR
WARRANTY



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 PET COATED NSF RATED											
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
LED 12 WATT T8 TUBE – 3 FOOT PET COATED NSF RATED											
L12T8BY5030K	LED 12W 3' T8 2E BYPASS 30K	T803001A30E	12	120-277V	25W	1200	100	G13	3000K	80	25
L12T8BY5035K	LED 12W 3' T8 2E BYPASS 35K	T803001A35E	12	120-277V	25W	1200	100	G13	3500K	80	25
L12T8BY5041K	LED 12W 3' T8 2E BYPASS 41K	T803001A41E	12	120-277V	25W	1450	100	G13	4100K	80	25
L12T8BY5050K	LED 12W 3' T8 2E BYPASS 50K	T803001A50E	12	120-277V	25W	1450	100	G13	5000K	80	25
LED 9 WATT T8 TUBE – 2 FOOT PET COATED NSF RATED											
L9T8BY5030K	LED 9W 2' T8 2E BYPASS 30K	T802001A30E	9	120-277V	17W	1100	125	G13	3000K	80	25
L9T8BY5035K	LED 9W 2' T8 2E BYPASS 35K	T802001A35E	9	120-277V	17W	1100	125	G13	3500K	80	25
L9T8BY5041K	LED 9W 2' T8 2E BYPASS 41K	T802001A41E	9	120-277V	17W	1150	125	G13	4100K	80	25
L9T8BY5050K	LED 9W 2' T8 2E BYPASS 50K	T802001A50E	9	120-277V	17W	1150	125	G13	5000K	80	25
LED 5.5 WATT T8 TUBE – 4 FOOT FROSTED GLASS											
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
LED 10.5 WATT T8 TUBE – 4 FOOT FROSTED GLASS											
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
LED 13.5 WATT T8 TUBE – 4 FOOT FROSTED GLASS											
LT813B227K	LED 13.5W 4' T8 2E BYPASS 27K	-	13.5	120-277V	32W	1700	133.3	G13	2700K	80	25
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	T80400165E	13.5	120-277V	32W	1800	140.7	G13	6500K	80	25
LED T8 BYPASS - HIGH OUTPUT SINGLE/DOUBLE ENDED											
LED 15 WATT T8 TUBE – 4 FOOT PET COATED NSF RATED											
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
LED 18.5 WATT T8 TUBE – 4 FOOT PET COATED NSF RATED											
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.tcp.com

TCP®

325 Campus Dr. | Aurora, Ohio 44202 | P: 800-324-1496 | tcp.com



RECOGNIZED COMPONENT



Intertek 4005203

CONFORMS TO NSF STD. 2

5 YEAR WARRANTY



LED LiberaT8™ Tubes

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
LED 18.5 WATT T8 TUBE – 4 FOOT											
FROSTED GLASS											
LT818B241K	LED 18.5W 4' T8 BY 2E 41K	T80400740E	18.5	120-277V	32W	2600	140.5	G13	4100K	80	25
LED 24.5 WATT T8 TUBE – 4 FOOT											
PET COATED NSF RATED											
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
LED T8 BYPASS - U6 DOUBLE ENDED											
LED 15.5 WATT PLASTIC T8 TUBE – U6											
PLASTIC NSF RATED											
LPT8U615B230K	LED 15.5W U6 T8 2E BYPASS 30K	T80U0430E	15.5	120-277V	32W	2000	129	G13	3000K	80	12
LPT8U615B235K	LED 15.5W U6 T8 2E BYPASS 35K	T80U0435E	15.5	120-277V	32W	2000	129	G13	3500K	80	12
LPT8U615B241K	LED 15.5W U6 T8 2E BYPASS 41K	T80U0441E	15.5	120-277V	32W	2100	135.4	G13	4100K	80	12
LPT8U615B250K	LED 15.5W U6 T8 2E BYPASS 50K	T80U0450E	15.5	120-277V	32W	2100	135.4	G13	5000K	80	12

Emergency Ballasts Compatible with LED LiberaT8™

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

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

325 Campus Dr. | Aurora, Ohio 44202 | P: 800.324.1496 | F: 877.487.0516