

# LED T5 Type B

## Ballast bypass



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

### Reasons to choose the LED T5 Type B from TCP

- Greater than 40% energy savings compared to fluorescent
- Long life: 50,000 hour rated life
- Shatterproof Glass
- Bypass Application: 120-277 line voltage
- Instant on/off
- Non-flickering
- Single End and Double End Construction
- UL rated for enclosed fixtures
- No energy losses due to fluorescent ballast

### Ideal Applications

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

### Specifications

Base Types.....G5  
 Construction .....Single ended  
 Wattage:..... 9W, 12W, 13W, 16W, 25W  
 Minimum Starting Temperature Range:.....-22°F / -30°C  
 Safety ..... UL Classified  
 Environment..... Damp/Dry Locations

Enclosed..... Suitable for enclosed luminaires  
 Rated Life..... L70 50,000+ hours  
 Beam Angle ..... 4, 3 & 2 foot 180°  
 Field Angle ..... 4, 3 & 2 foot 280°  
 Non-Shunted Lampholders..... Single End Tubes  
 Non-shunted or Shunted..... Double End Tubes



## Specifications:

### Listing

UL Classified and Component  
Recognized Component ETL

### Warranty

Five years against defects in manufacturing

### Shatterproof PET Coated Glass



G5 base

## LED Ballast Bypass T5 Tubes – 4', 3' and 2'

Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
<b>LED 12 WATT T5 TUBE – 2 FOOT</b>											
LT5HO12B130K	LED 12W 2' T5 BYPASS 30K SC		12	120-277V	24W	1450	120.8	G5	3000K	80	25
LT5HO12B135K	LED 12W 2' T5 BYPASS 35K SC		12	120-277V	24W	1450	120.8	G5	3500K	80	25
LT5HO12B141K	LED 12W 2' T5 BYPASS 41K SC		12	120-277V	24W	1450	120.8	G5	4100K	80	25
LT5HO12B150K	LED 12W 2' T5 BYPASS 50K SC		12	120-277V	24W	1450	120.8	G5	5000K	80	25
<b>LED 16 WATT T5 TUBE – 3 FOOT</b>											
LT5HO16B130K	LED 16W 3' T5 BYPASS 30K SC		16	120-277V	39W	1850	115.6	G5	3000K	80	25
LT5HO16B135K	LED 16W 3' T5 BYPASS 35K SC		16	120-277V	39W	1850	115.6	G5	3500K	80	25
LT5HO16B141K	LED 16W 3' T5 BYPASS 41K SC		16	120-277V	39W	1850	115.6	G5	4100K	80	25
LT5HO16B150K	LED 16W 3' T5 BYPASS 50K SC		16	120-277V	39W	1850	115.6	G5	5000K	80	25
<b>LED 25 WATT T5 TUBE – 4 FOOT (DLC LOOK-UP LT5HO25B1XXK)</b>											
LT5HO25B130K	LED 25W 4' T5 BYPASS 30K SC	LT5HO25B130K	25	120-277V	54W	3200	128.0	G5	3000K	80	25
LT5HO25B135K	LED 25W 4' T5 BYPASS 35K SC	LT5HO25B135K	25	120-277V	54W	3200	128.0	G5	3500K	80	25
LT5HO25B141K	LED 25W 4' T5 BYPASS 41K SC	LT5HO25B141K	25	120-277V	54W	3200	128.0	G5	4100K	80	25
LT5HO25B150K	LED 25W 4' T5 BYPASS 50K SC	LT5HO25B150K	25	120-277V	54W	3200	128.0	G5	5000K	80	25
<b>LED 9 WATT T5 TUBE – 2 FOOT</b>											
LT5HE09B130K	LED 9W 2' T5 BYPASS 30K SC		9	120-277V	14W	1100	127.7	G5	3000K	80	25
LT5HE09B135K	LED 9W 2' T5 BYPASS 35K SC		9	120-277V	14W	1100	127.7	G5	3500K	80	25
LT5HE09B141K	LED 9W 2' T5 BYPASS 41K SC		9	120-277V	14W	1150	127.7	G5	4100K	80	25
LT5HE09B150K	LED 9W 2' T5 BYPASS 50K SC		9	120-277V	14W	1200	127.7	G5	5000K	80	25
<b>LED 12 WATT T5 TUBE – 3 FOOT</b>											
LT5HE12B130K	LED 12W 3' T5 BYPASS 30K SC		12	120-277V	21W	1350	112.5	G5	3000K	80	25
LT5HE12B135K	LED 12W 3' T5 BYPASS 35K SC		12	120-277V	21W	1350	112.5	G5	3500K	80	25

## LED Ballast Bypass T5 Tubes – 4', 3' and 2'

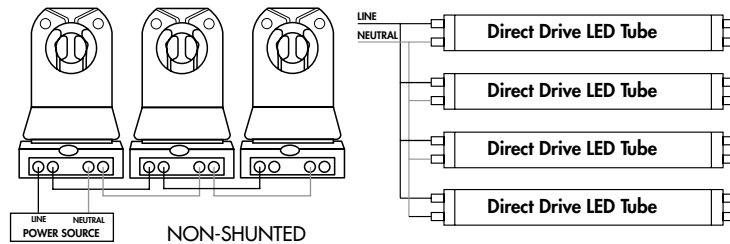
Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
LT5HE12B141K	LED 12W 3' T5 BYPASS 41K SC		12	120-277V	21W	1350	112.5	G5	4100K	80	25
LT5HE12B150K	LED 12W 3' T5 BYPASS 50K SC		12	120-277V	21W	1350	112.5	G5	5000K	80	25
<b>LED 13 WATT T5 TUBE – 4 FOOT (DLC LOOK-UP LT5HE13B1XXK)</b>											
LT5HE13B130K	LED 13W 4' T5 BYPASS 30K SC	LT5HE13B130K	13	120-277V	28W	1650	126.9	G5	3000K	80	25
LT5HE13B135K	LED 13W 4' T5 BYPASS 35K SC	LT5HE13B135K	13	120-277V	28W	1650	126.9	G5	3500K	80	25
LT5HE13B141K	LED 13W 4' T5 BYPASS 41K SC	LT5HE13B141K	13	120-277V	28W	1650	126.9	G5	4100K	80	25
LT5HE13B150K	LED 13W 4' T5 BYPASS 50K SC	LT5HE13B150K	13	120-277V	28W	1650	130.7	G5	5000K	80	25

## LED Ballast Bypass Double End T5 Tubes – 4'

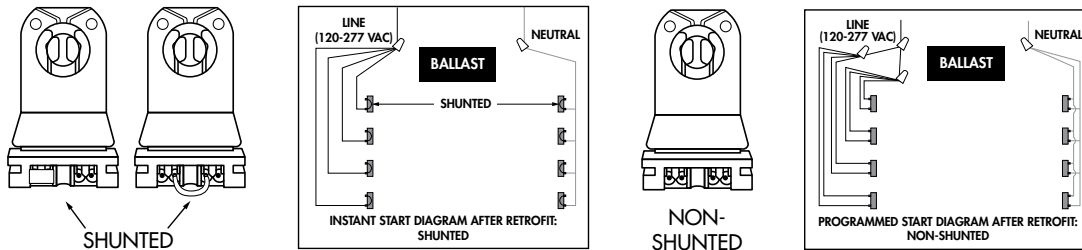
Item#	Description	DLC	LED Wattage	Voltage	Fluorescent Equivalency	Lumens	LPW	Base	CCT	CRI	Master Pack
<b>LED 25 WATT T5 TUBE – 4 FOOT (DLC LOOK-UP LT5HO25B2XXK)</b>											
LT5HO25B241K	LED 25W 4' T5 BY 2E 41K SC	LT5HO25B241K	25	120-277V	54W	3300	132.0	G5	4100K	80	25
LT5HO25B250K	LED 25W 4' T5 BY 2E 50K SC	LT5HO25B250K	25	120-277V	54W	3400	136.0	G5	5000K	80	25

## Wiring Diagrams

### Single Ended Wiring



### Double Ended Wiring



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

## Emergency Ballasts Compatible with LED LiberaT5™

- Bodine - ELS-20
- Bodine - ELS-100
- IOTA - ILBLP CP30 HE SD HV

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