



# LED Type B T5

Ballast bypass



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

## Reasons to choose the LED Type B T5 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
- Retail Stores
- Schools
- Restaurants
- Lobbies
- Hospitals

## Specifications:

Base Types.....G5  
 Construction .....Single ended  
 Wattage:..... 9W, 12W, 13W, 16W, 25W  
 Minimum Starting Temperature Range:..... -22F / -30C  
 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 QPL | 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 LT5H025B1XXK)</b> |                             |         |             |          |                         |        |       |      |       |     |             |
| LT5HO25B130K   | LED 25W 4' T5 BYPASS 30K SC | *       | 25          | 120-277V | 54W                     | 3200   | 128.0 | G5   | 3000K | 80  | 25          |
| LT5HO25B135K   | LED 25W 4' T5 BYPASS 35K SC | *       | 25          | 120-277V | 54W                     | 3200   | 128.0 | G5   | 3500K | 80  | 25          |
| LT5HO25B141K   | LED 25W 4' T5 BYPASS 41K SC | *       | 25          | 120-277V | 54W                     | 3200   | 128.0 | G5   | 4100K | 80  | 25          |
| LT5HO25B150K   | LED 25W 4' T5 BYPASS 50K SC | *       | 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'

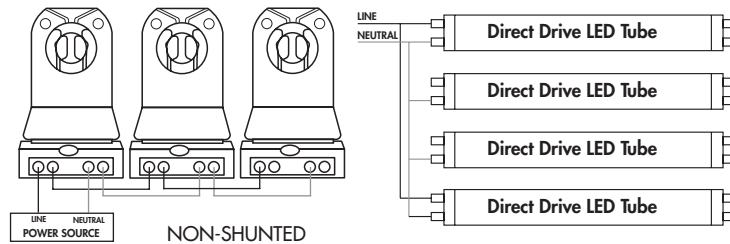
| Item#  | Description                 | DLC QPL | LED Wattage | Voltage  | Fluorescent Equivalency | Lumens | LPW   | Base | CCT   | CRI | Master Pack |
|--|-----------------------------|---------|-------------|----------|-------------------------|--------|-------|------|-------|-----|-------------|
| 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 | *       | 13          | 120-277V | 28W                     | 1650   | 126.9 | G5   | 3000K | 80  | 25          |
| LT5HE13B135K   | LED 13W 4' T5 BYPASS 35K SC | *       | 13          | 120-277V | 28W                     | 1650   | 126.9 | G5   | 3500K | 80  | 25          |
| LT5HE13B141K   | LED 13W 4' T5 BYPASS 41K SC | *       | 13          | 120-277V | 28W                     | 1650   | 126.9 | G5   | 4100K | 80  | 25          |
| LT5HE13B150K   | LED 13W 4' T5 BYPASS 50K SC | *       | 13          | 120-277V | 28W                     | 1650   | 130.7 | G5   | 5000K | 80  | 25          |

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

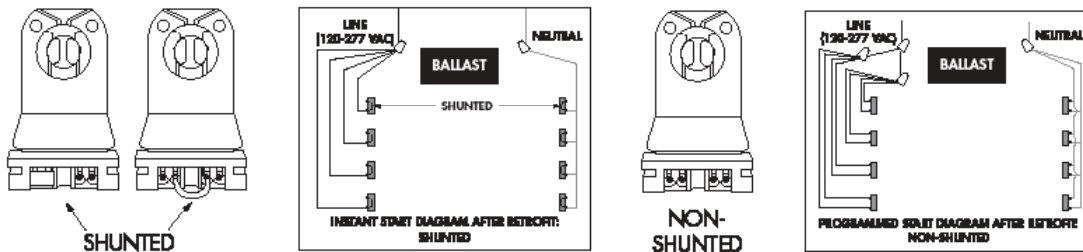
| Item#  | Description                | DLC QPL | LED Wattage | Voltage  | Fluorescent Equivalency | Lumens | LPW   | Base | CCT   | CRI | Master Pack |
|--|----------------------------|---------|-------------|----------|-------------------------|--------|-------|------|-------|-----|-------------|
|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