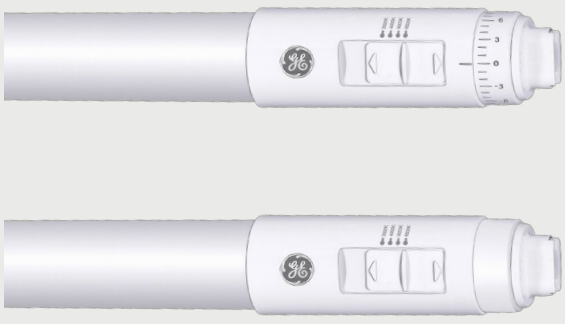
LED Lamps - Tubes



Selectable Type B R17d LED Tubes

Current's Selectable Type B LED Tubes feature unmatched flexibility in a single lamp, with a built-in switches to change color temperature, no tool required. Convert High Output (HO) linear lamps to LED in both standard and signage applications to take advantage of energy saving benefits.

SpectraChoice™

PERFORMANCE HIGHLIGHTS:

Selectable Type B R17d T8 Tubes	
Light Output:	Up to 5,500 Lumens
CRI:	80
Nominal Lengths:	3', 4', 5', 64", 6', 7', 8'
Selectable CCT:	3500K / 4000K / 5000K/ 6500K
Input Voltage:	120-347
Efficiency:	Up to 144 LPW
Wattage:	14-42W
Life:	50,000 hours L70
Temperature Rating:	-30°C to 55°C
Location Rating:	Damp

LIMITED WARRANTY

5 years

LEARN MORE:

To learn more about saving money and energy, go to www.LED.com.

FEATURES:

Standard R17d and Signage R17d LED Tube Versions Available:

- SpectraChoice™ Selectable color temperature levels that can be adjusted with built-in switches, no tool required
- Signage R17d LED Tubes feature internal reflective strips for uniform light distribution and rotatable end caps, making them ideal for double sided cabinets.
- Standard and Signage LED Tube options to fit multiple high output applications

Safety First Built-In Protection:

- Internal safety switch provides protection for the installer
- Internal misapplication circuit provides protection if lamp is placed into ballasted fixture
- In-line fuse kit protects the installer if LFL is reinstalled in the future (optional, sold separately)

BENEFITS:

- Direct wire to bypass the ballast; reduces energy use, eliminates ballast compatibility concerns and associated ballast maintenance costs
- One lamp can replace many, greatly reducing inventory
- No socket replacement necessary; double-ended Type B tubes can be used with shunted or non-shunted sockets

SpectraChoice™

Select color temperature using built-in switch.

Selectable Type B LED R17d Tubes

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LED Tubes, sometimes referred to as "TLEDs," are meant to use linear fluorescent sockets and fixtures. LED Tubes have the same length and pins as the linear fluorescent lamps they are intended to replace. The details of how the fixture is wired and the auxiliary equipment used may vary, depending on the LED Tube solution.

For HO applications, Current offers **Type B LED Tubes**, which operate from mains voltage. The ballast is bypassed and the fixture is re-wired according to the installation instructions that come with the lamp. A retrofit fixture label indicating the LED Tube model used and that the fixture has been re-wired is provided to be applied to the fixture.

SpectraChoice™ Type B (Ballast Bypass) LED HO Tubes:
GE LED Tubes for HO applications feature a built-in switch to adjust color temperature levels, with no tools required. Choose between 3500K, 4000K, 5000K, and 6500K. One lamp can replace many, greatly reducing inventory and simplifying project management by streamlining BOMs.

SpectraChoice™

Select CCT using built-in switch.

LED Tube Design for Signage Applications:
Standard GE LED Tubes are constructed of glass tubes with an internal coating, similar to linear fluorescent lamps. The coating inside the glass provides good diffusion, spreading out the light and eliminating hot spots and pixilation from the individual LEDs. However, since the LED board inside the tube is on one side, the output is directional. This can be an advantage in many applications where the lamps are in a ceiling and the light needs to point down.

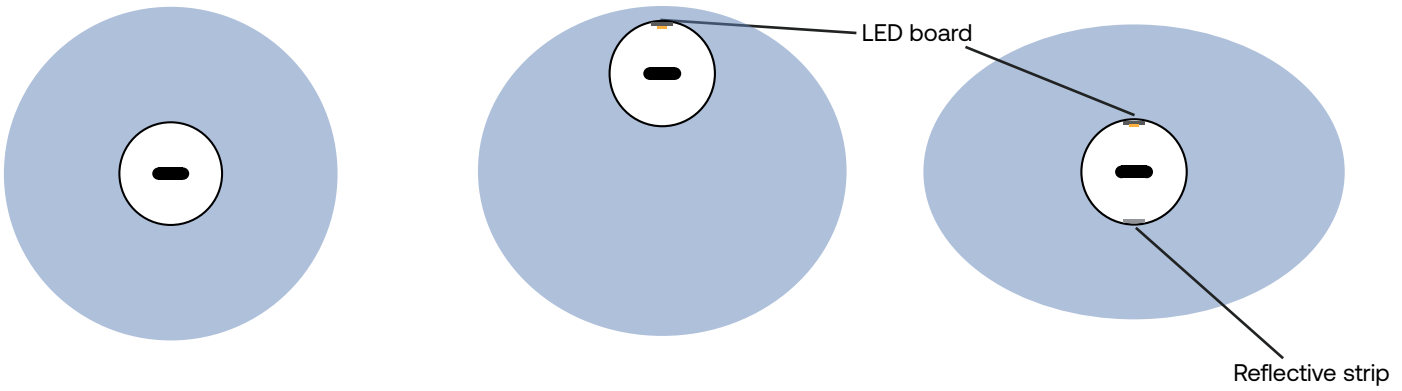
Linear fluorescent lamps emit light equally all the way around the diameter of the tube. For double-sided signage applications, this uniformity is ideal. Signage (“SGN”) GE LED Tubes are constructed similarly to standard tubes, but with two key differences designed to improve performance in signage applications. First, Signage GE LED Tubes incorporate a reflective strip inside the tube opposite the LED board. The strip bounces light back behind the LED board and reduces the intensity directly across from the LED board. This results in more uniform light distribution, which is preferred for double-sided signage cabinets. The second key feature of Signage LED Tubes is rotatable end caps. These allow the tube to be oriented properly regardless of the socket orientation inside the cabinet.

Graphical Representation of Light Distribution from HO Tubes:

Linear Fluorescent
Uniform distribution around the tube

Standard LED Tube
More light directed “down” from LEDs

Signage LED Tube
Reflective strip provides improved uniformity



Selectable Type B LED R17d Tubes

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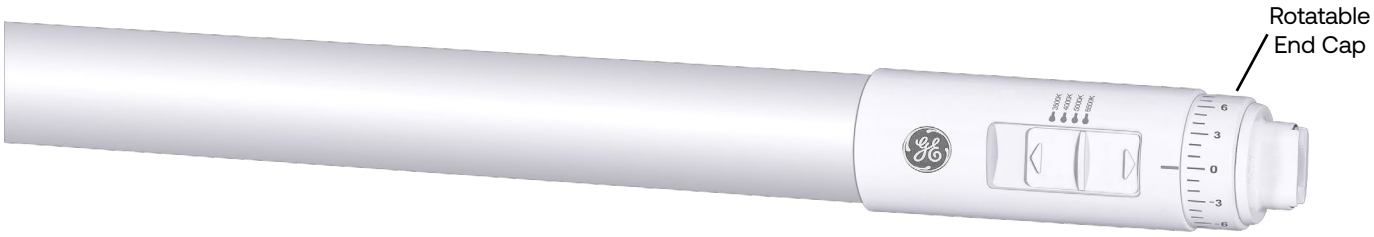


Signage LED R17d HO Tube

Signage Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

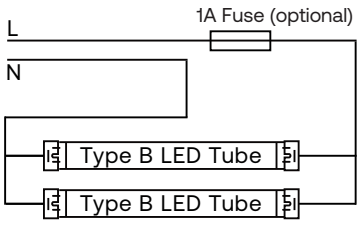
Bulb Shape	Base Type	Order Code	Description	Volts	Carton Qty[2]	Nominal Length (in)	Actual Length (in)	Watts	Selectable Lumens (Initial)[4]	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs)[1]	Power Factor	Location Rating[3]	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d) - Signage															
T8	R17d	93319048	LED14BDT8/G3/R17d/8SC/SGN	120-347	10	36.0	33.91	14	1800 1900 1900 1850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319046	LED18BDT8/G4/R17d/8SC/SGN	120-347	10	48.0	45.91	18	2400 2500 2500 2450*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319044	LED24BDT8/G5/R17d/8SC/SGN	120-347	10	60.0	57.91	24	2800 2950 2950 2850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319042	LED26BDT8/G64/R17d/8SC/SGN	120-347	10	64.0	61.91	26	3050 3200 3200 3100*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319040	LED30BDT8/G6/R17d/8SC/SGN	120-347	10	72.0	69.91	30	3500 3650 3650 3550*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319038	LED35BDT8/G7/R17d/8SC/SGN	120-347	10	84.0	81.91	35	4050 4250 4250 4150*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319036	LED42BDT8/G8/R17d/8SC/SGN	120-347	10	96.0	93.91	42	4900 5100 5100 5000*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

Information provided is subject to change without notice. Please verify all details with Current. All values are design or typical values when measured under laboratory conditions, and Current makes no warranty or guarantee, expressed or implied, that such performance will be obtained under end-use conditions.

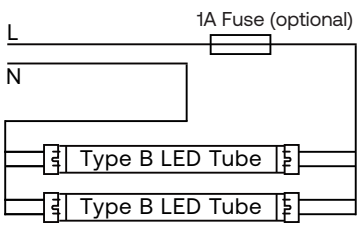
[1] The life rating is based on the hours of operation the lamp will provide before reaching 70% of its original lumen output (L70)
[2] Minimum order quantity from Current = Case Qty
[3] UL 1993 Environmental Requirements for LED LAMPS
Damp Location – Exterior or interior location that is normally or periodically subject to condensation of moisture in, on, or adjacent to electrical equipment, including partially protected locations
[4] Lumen levels correspond with color temperatures
* Default color temperature settings noted by "*" in tables above

Wiring Diagrams for Double-Ended Type B LED Tubes

Shunted Sockets



Unshunted Sockets



Type B Tube Misapplication Fuse Kit

Order Code	Description	Kit Contents
39017	BT8-1AFUSEKIT	1 Fuse (1A), 1 Fuse Holder

Selectable Type B LED R17d Tubes

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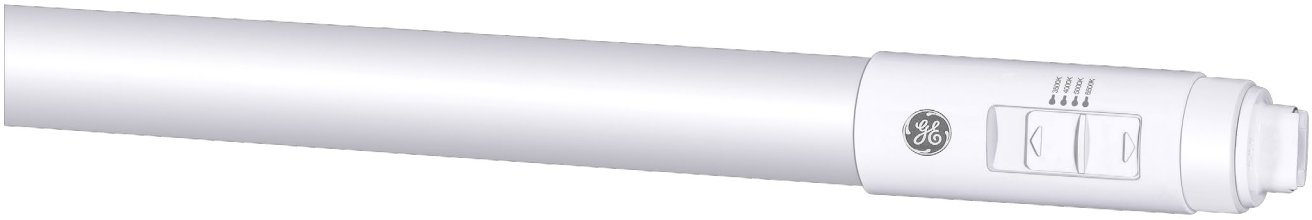

Standard LED R17d HO Tube

Ballast Bypass Selectable SpectraChoice™ Glass HO Tubes - Double Ended - Type B

Bulb Shape	Base Type	Order Code	Description	Volts	Carton Qty[2]	Nominal Length (in)	Actual Length (in)	Watts	Selectable Lumens (Initial)[4]	Selectable Color Temp. (Initial)*	CRI	Rated Life L70 (Hrs)[1]	Power Factor	Location Rating[3]	Additional Information
Ballast Bypass (Type B) - High Output Recessed Double Contact (R17d)															
T8	R17d	93319034	LED14BDT8/G3/R17d/8SC/120-347	120-347	10	36.0	33.91	14	1900 2000 2000 1950*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319032	LED18BDT8/G4/R17d/8SC/120-347	120-347	10	48.0	45.91	18	2500 2600 2600 2550*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319030	LED24BDT8/G5/R17d/8SC/120-347	120-347	10	60.0	57.91	24	3050 3200 3200 3100*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319028	LED26BDT8/G64/R17d/8SC/120-347	120-347	10	64.0	61.91	26	3300 3450 3450 3350*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319026	LED30BDT8/G6/R17d/8SC/120-347	120-347	10	72.0	69.91	30	3800 4000 4000 3850*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319024	LED35BDT8/G7/R17d/8SC/120-347	120-347	10	84.0	81.91	35	4400 4600 4600 4500*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass
	R17d	93319022	LED42BDT8/G8/R17d/8SC/120-347	120-347	10	96.0	93.91	42	5300 5500 5500 5400*	3500K 4000K 5000K 6500K*	80	50,000	>0.9	Damp	Ballast Bypass

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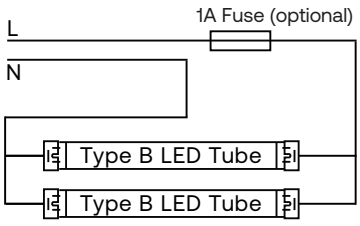
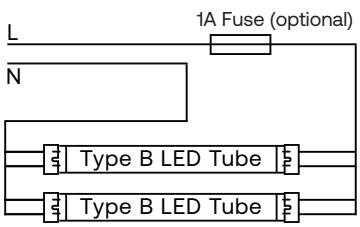


Unshunted Sockets



Type B Tube Misapplication Fuse Kit

Order Code	Description	Kit Contents
39017	BT8-1AFUSEKIT	1 Fuse (1A), 1 Fuse Holder