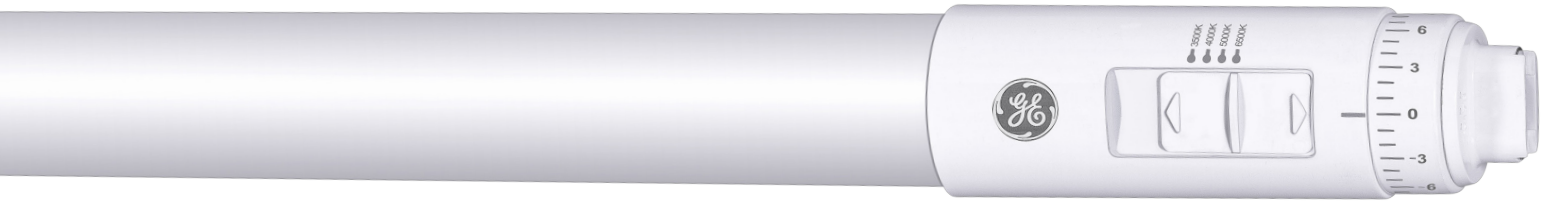



# Tetra® Bypass Beam

**CABINET SIGNS LIGHTING SYSTEMS**

## Seamless uniformity for double-sided applications

The Tetra® Bypass Beam features unmatched flexibility in a single tube, with a built-in switches to change color temperature, no tool required. Convert High Output (HO) linear lamps to LED in signage applications to take advantage of energy saving benefits.

## Bypass Beam Versions Available:

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

## Benefits:

- Direct wire to bypass the ballast; reduces energy use, eliminates ballast compatibility concerns and associated ballast maintenance costs
- One tube 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™

## 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)


Select color temperature using built-in switch.

| Performance Highlights | |
|---|---|
| Light Output | Up to 5,500 Lumens |
| Nominal Lengths | 3', 4', 5', 64", 6', 7', 8' |
| Selectable CCT | 3500K, 4000K, 5000K, 6500K |
| Efficiency | Up to 144 LPW |

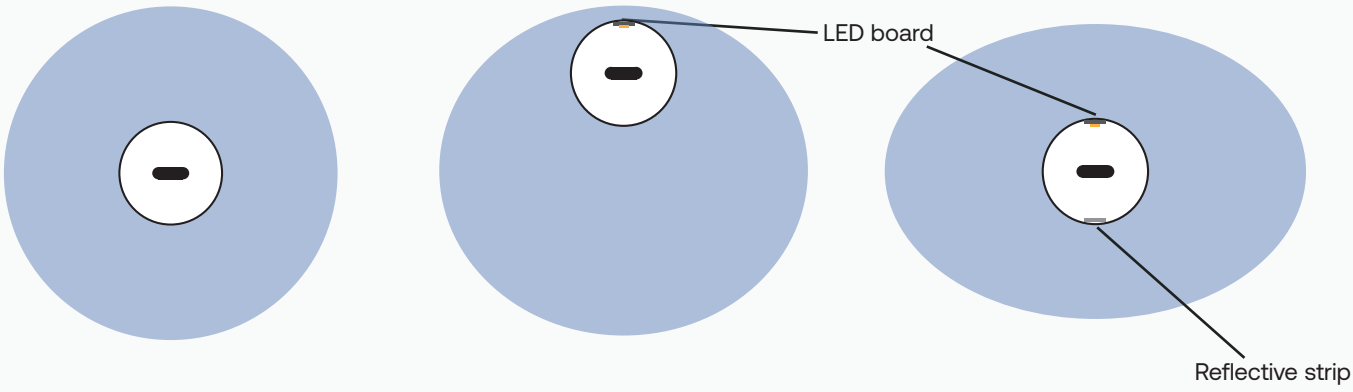
| Performance Highlights | |
|---|---|
| Wattage | 14-42W |
| Life | 50,000 hours |
| Temperature Rating | -30°C to 55°C (-22°F to 131°F) |
| Location Rating | Damp |

## 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



# Components

| SKU | Bulb Shape | Base Type | Description | Qty* |
|---|---|---|---|---|
| 93319048 | T8 | R17d | LED14BDT8/G3/R17d/8SC/SGN | 10 tubes / carton |
| 93319046 | | | LED18BDT8/G4/R17d/8SC/SGN | 10 tubes / carton |
| 93319044 | | | LED24BDT8/G5/R17d/8SC/SGN | 10 tubes / carton |
| 93319042 | | | LED26BDT8/G64/R17d/8SC/SGN | 10 tubes / carton |
| 93319040 | | | LED30BDT8/G6/R17d/8SC/SGN | 10 tubes / carton |
| 93319038 | | | LED35BDT8/G7/R17d/8SC/SGN | 10 tubes / carton |
| 93319036 | | | LED42BDT8/G8/R17d/8SC/SGN | 10 tubes / carton |

*Minimum order quantity from Current = Case Qty

# Specifications

| Description | CRI | Volts | Watts | Nominal Length | Actual Length | Lumens (Initial)[1] | Selectable Color Temp. (Initial)* | Power Factor |
|---|---|---|---|---|---|---|---|---|
| LED14BDT8/G3/R17d/8SC/SGN | 80 | 120-347 | 14 | 36 in (3 ft) | 33.91 in | 1800<br>1900<br>1900<br>1850* | 3500K<br>4000K<br>5000K<br>6500K* | >0.9 |
| LED18BDT8/G4/R17d/8SC/SGN | | | 18 | 48 in (4 ft) | 45.91 in | 2400<br>2500<br>2500<br>2450* | 3500K<br>4000K<br>5000K<br>6500K* | |
| LED24BDT8/G5/R17d/8SC/SGN | | | 24 | 60 in (5 ft) | 57.91 in | 2800<br>2950<br>2950<br>2850* | 3500K<br>4000K<br>5000K<br>6500K* | |
| LED26BDT8/G64/R17d/8SC/SGN | | | 26 | 64 in (5.3 ft) | 61.91 in | 3050<br>3200<br>3200<br>3100* | 3500K<br>4000K<br>5000K<br>6500K* | |
| LED30BDT8/G6/R17d/8SC/SGN | | | 30 | 72 in (6 ft) | 69.91 in | 3500<br>3650<br>3650<br>3550* | 3500K<br>4000K<br>5000K<br>6500K* | |
| LED35BDT8/G7/R17d/8SC/SGN | | | 35 | 84 in (7 ft) | 81.91 in | 4050<br>4250<br>4250<br>4150* | 3500K<br>4000K<br>5000K<br>6500K* | |
| LED42BDT8/G8/R17d/8SC/SGN | | | 42 | 96 in (8 ft) | 93.91 in | 4900<br>5100<br>5100<br>5000* | 3500K<br>4000K<br>5000K<br>6500K* | |

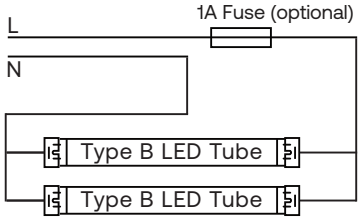
Patent Pending

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.

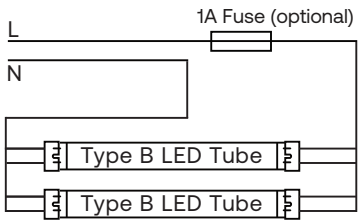
[1] Lumen levels correspond with color temperatures
* Default color temperature settings noted by "*" in tables above

## 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 |