# LED Lamps - Tubes




## Type B Double-Ended LED Tubes

Convert your existing linear fluorescent fixture to LED lighting without needing a comprehensive reinstall. LED tubes are ideal for those seeking high energy savings with minimal installation time. The existing fixture is wired to bypass the ballast, which further reduces energy use and eliminates the need to check ballast compatibility.

### PERFORMANCE HIGHLIGHTS:

| Type B LED Tubes | |
|---|---|
| **Light Output:** | 900 - 5,500 Lumens |
| **CRI:** | 80 |
| **CCT:** | 3000K-5000K |
| **Wattage:** | 7-43W |
| **Life:** | 50,000 - 70,000 hours L70 |
| **Temperature Rating:** | -20° to 45° C |
| **Rating:** | Damp |
| **Fixtures:** | Open or Enclosed |
| **Certification:** | DLC Listed,<br>NSF Food Zone (covRguard®) |

### LIMITED WARRANTY

7 years for 70,000 hours
5 years for 50,000 hours

### FEATURES:

**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
- Optional In-line fuse kit to protect against future re-lamp misapplications (available for ordering separately)

**Full Portfolio of Type B LED Tubes:**

- Glass tubes and plastic coated glass options
- 120-277V and 120-347V options
- T8 & T5 lamps in a variety of lengths and light outputs

### BENEFITS:

- Direct wire to bypass the ballast; reduces energy use, eliminates ballast compatibility concerns and associated ballast maintenance costs
- No socket replacement necessary; double-ended Type B tubes can be used with shunted or non-shunted sockets
- The polycarbonate plastic covRguard® sleeve is factory-sealed on the glass tube to provide a seamless look and feel, eliminating the need for a field-installed sleeve or fixture guard
- covRguard® offers shatter protection and and provides containment, eliminating downtime

### LEARN MORE:

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

Not all product variations listed on the page are DLC qualified. To ensure that a specific model is qualified, visit www.designlights.org/search.


© 2023 Current Lighting Solutions, LLC. All rights reserved. GE and the GE monogram are trademarks of the General Electric Company and are used under license. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.

# Type B Tubes

CUSTOMER NAME
PROJECT NAME
DATE NOTES

## Ballast Bypass covRguard® Plastic Sleeved Glass Tubes - Double Ended - Type B

| Bulb Shape | Base Type | Watts | Order Code | Description | Volts | Carton Qty[2] | MOL (in) | Lumens (Initial) | Color Temp. (Initial) | CRI | Rated Life L70 (Hrs)[1] | Power Factor | DLC®[4] | Location Rating[3] | Additional Information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ballast Bypass - 4ft covRguard® Plastic Sleeved Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | G13 | 16 | 93154588 | LED16BDT8/G4/835XL/CVG | 120-277 | 20 | 48 | 2400 | 3500K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 16 | 93154589 | LED16BDT8/G4/840XL/CVG | 120-277 | 20 | 48 | 2450 | 4000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 16 | 93154586 | LED16BDT8/G4/850XL/CVG | 120-277 | 20 | 48 | 2450 | 5000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 13 | 93154613 | LED13BDT8/G4/835XL/CVG | 120-277 | 20 | 48 | 1900 | 3500K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 13 | 93154590 | LED13BDT8/G4/840XL/CVG | 120-277 | 20 | 48 | 1950 | 4000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 13 | 93154612 | LED13BDT8/G4/850XL/CVG | 120-277 | 20 | 48 | 1950 | 5000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 9 | 93154615 | LED9BDT8/G4/835XL/CVG | 120-277 | 20 | 48 | 1550 | 3500K | 80 | 70,000 | >0.9 | - | Damp | NSF Food Zone |
| | G13 | 9 | 93154616 | LED9BDT8/G4/840XL/CVG | 120-277 | 20 | 48 | 1600 | 4000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |
| | G13 | 9 | 93154614 | LED9BDT8/G4/850XL/CVG | 120-277 | 20 | 48 | 1650 | 5000K | 80 | 70,000 | >0.9 | Yes | Damp | NSF Food Zone |

## Ballast Bypass PET Plastic Coated Glass Tubes - Double Ended - Type B

| Bulb Shape | Base Type | Watts | Order Code | Description | Volts | Carton Qty[2] | MOL (in) | Lumens (Initial) | Color Temp. (Initial) | CRI | Rated Life L70 (Hrs)[1] | Power Factor | DLC®[4] | Location Rating[3] | Additional Information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Ballast Bypass - 4ft PET Plastic Coated Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | G13 | 14 | 93123123 | LED14BDT8/G4/830CT | 120-277 | 20 | 48 | 1650 | 3000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| | G13 | 14 | 93123124 | LED14BDT8/G4/835CT | 120-277 | 20 | 48 | 1750 | 3500K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| | G13 | 14 | 93123316 | LED14BDT8/G4/840CT | 120-277 | 20 | 48 | 1750 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| | G13 | 14 | 93123317 | LED14BDT8/G4/850CT | 120-277 | 20 | 48 | 1800 | 5000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| | G13 | 11 | 93129666 | LED11BDT8/G4/840CT | 120-277 | 20 | 48 | 1650 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| **Ballast Bypass - 3ft LED Tube - PET Plastic Coated Glass** | | | | | | | | | | | | | | | |
| T8 | G13 | 12 | 93154450 | LED12BDT8/G3/840CT | 120-277 | 20 | 36 | 1450 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |
| **Ballast Bypass - 2ft LED Tube - PET Plastic Coated Glass** | | | | | | | | | | | | | | | |
| T8 | G13 | 9 | 93154445 | LED9BDT8/G2/840CT | 120-277 | 20 | 24 | 1100 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | NSF Splash Zone |

## 120-347V Ballast Bypass Glass Tubes - Double Ended - Type B

| Bulb Shape | Base Type | Watts | Order Code | Description | Volts | Carton Qty[2] | MOL (in) | Lumens (Initial) | Color Temp. (Initial) | CRI | Rated Life L70 (Hrs)[1] | Power Factor | DLC®[4] | Location Rating[3] | Additional Information |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **120-347V Ballast Bypass - 8ft Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | R17d | 42 | 93309189 | LED42BDT8/G8/R17d/840/120-347 | 120-347 | 20 | 96 | 5500 | 4000K | 80 | 50,000 | >0.9 | - | Damp | |
| | R17d | 42 | 93309190 | LED42BDT8/G8/R17d/850/120-347 | 120-347 | 20 | 96 | 5500 | 5000K | 80 | 50,000 | >0.9 | - | Damp | |
| | Fa8 | 42 | 93309184 | LED42BDT8/G8/Fa8/835/120-347 | 120-347 | 20 | 96 | 5400 | 3500K | 80 | 50,000 | >0.9 | - | Damp | |
| | Fa8 | 42 | 93309185 | LED42BDT8/G8/Fa8/840/120-347 | 120-347 | 20 | 96 | 5500 | 4000K | 80 | 50,000 | >0.9 | - | Damp | |
| | Fa8 | 42 | 93309186 | LED42BDT8/G8/Fa8/850/120-347 | 120-347 | 20 | 96 | 5500 | 5000K | 80 | 50,000 | >0.9 | - | Damp | |
| **120-347V Ballast Bypass - 4ft Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | G13 | 15 | 93150744 | LED15BDT8/G4/830/120-347 | 120-347 | 20 | 48 | 2000 | 3000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 15 | 93150745 | LED15BDT8/G4/835/120-347 | 120-347 | 20 | 48 | 2100 | 3500K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 15 | 93150774 | LED15BDT8/G4/840/120-347 | 120-347 | 20 | 48 | 2200 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 15 | 93150775 | LED15BDT8/G4/850/120-347 | 120-347 | 20 | 48 | 2200 | 5000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 11.5 | 93305112 | LED11BDT8/G4/830/120-347 | 120-347 | 20 | 48 | 1700 | 3000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 11.5 | 93305113 | LED11BDT8/G4/835/120-347 | 120-347 | 20 | 48 | 1750 | 3500K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 11.5 | 93305115 | LED11BDT8/G4/840/120-347 | 120-347 | 20 | 48 | 1800 | 4000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| | G13 | 11.5 | 93305116 | LED11BDT8/G4/850/120-347 | 120-347 | 20 | 48 | 1800 | 5000K | 80 | 50,000 | >0.9 | Yes | Damp | |
| **120-347V Ballast Bypass - 3ft Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | G13 | 12 | 93309175 | LED12BDT8/G3/830/120-347 | 120-347 | 20 | 36 | 1500 | 3000K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 12 | 93309176 | LED12BDT8/G3/835/120-347 | 120-347 | 20 | 36 | 1550 | 3500K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 12 | 93309177 | LED12BDT8/G3/840/120-347 | 120-347 | 20 | 36 | 1600 | 4000K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 12 | 93309178 | LED12BDT8/G3/850/120-347 | 120-347 | 20 | 36 | 1600 | 5000K | 80 | 50,000 | >0.9 | - | Damp | |
| **120-347V Ballast Bypass - 2ft Glass Tubes** | | | | | | | | | | | | | | | |
| T8 | G13 | 7 | 93309179 | LED7BDT8/G2/830/120-347 | 120-347 | 20 | 24 | 900 | 3000K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 7 | 93309180 | LED7BDT8/G2/835/120-347 | 120-347 | 20 | 24 | 925 | 3500K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 7 | 93309181 | LED7BDT8/G2/840/120-347 | 120-347 | 20 | 24 | 950 | 4000K | 80 | 50,000 | >0.9 | - | Damp | |
| | G13 | 7 | 93309182 | LED7BDT8/G2/850/120-347 | 120-347 | 20 | 24 | 950 | 5000K | 80 | 50,000 | >0.9 | - | Damp | |

[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 = Carton 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] Not all product variations on this page are DLC qualified. Visit qpl.designlights.org/solid-state-lighting to confirm qualification.


© 2023 Current Lighting Solutions, LLC. All rights reserved. GE and the GE monogram are trademarks of the General Electric Company and are used under license. Information and specifications subject to change without notice. All values are design or typical values when measured under laboratory conditions.