



Always the Right Choice!

# 18W LED Tubes

## T8 Type B Double-Ended



### Key Features

- Quick and easy LED upgrade for existing open or enclosed fixtures.
- Type B - Internal LED driver bypasses existing ballasts and eliminates the need for an external LED driver.
- Instant on - no delay or warm up time.

### Electrical

- 120-277VAC input.
- Power Factor:  $\geq 0.90$ ; THD:  $< 20\%$
- Operating temperature:  $-20^{\circ}\text{C}$  to  $45^{\circ}\text{C}$  ( $-4^{\circ}\text{F}$  to  $113^{\circ}\text{F}$ ).

### Warranty

- Backed by US LED's industry-leading Ten-Year warranty.

### Construction

- Available in 4 ft. length.
- Double-ended power input.
- Fully-sleeved, frosted filmed glass housing.
- Aluminum heat sink backing.
- Easy disposal, non-hazardous waste.

### Optics

- Industry-leading LEDs with 4000K and 5000K CCT (minimum 80 CRI).
- Full Illumination with  $> 320^{\circ}$  Beam Angle.
- Lumen Maintenance: 200,000 hours (L70) <sup>1</sup>

|         |      |
|---------|------|
| Project | Date |
|---------|------|

|                |      |
|----------------|------|
| Catalog Number | Type |
|----------------|------|

### Product Performance Summary

|               |                    |
|---------------|--------------------|
| Lumen Output  | Up to 3,000 lumens |
| Efficacy      | Up to 166 LPW      |
| CRI           | $\geq 80$ CRI      |
| Available CCT | 4000K, & 5000K     |
| Warranty      | Ten-Year Warranty  |

### Product Overview

T8 Type B single or double-ended LED tubes are the perfect solution for upgrading existing fluorescent fixtures to LED technology without a comprehensive reinstall. These LED tubes offer quality illumination up to 200,000 hours (L70) and are backed by US LED's industry-leading Ten-Year Warranty.

### Product Applications

- Retail Stores
- Hallways/Corridors
- Conference Rooms
- Office Spaces
- Industrial/Warehouses
- Classrooms
- Storage Areas
- Convenience Stores

### Product Certifications

- UL Listed.
- DLC Listed.
- Suitable for indoor damp locations.
- RoHS compliant.



### Ordering Information

Example: ST1-13-UNV-4-18A-50-GL-DE

| ST1    |          |               |         |         |     |                      |          |                 |
|--------|----------|---------------|---------|---------|-----|----------------------|----------|-----------------|
| Series | Variant  | Input Voltage | Length  | Wattage |     | CCT                  | Diffuser | Power Location  |
| 13     | Standard | UNV 120-277V  | 4 4 ft. | 18A     | 18W | 40 4000K<br>50 5000K | GL Glass | DE Double-Ended |

1. Product 'Lifetimes' refer only to the LED light engine, not the power source, and are based on the Illuminating Engineering Society's TM21 Projected Lumen Maintenance methodology at a 25° C / 77° F ambient temperature. The lifetimes are solely meant to be a guide for expected LED degradation and not a warranty or predictive of their actual life, which can be affected by ambient temperatures and other factors.

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### Performance Data

| Model                     | Input Voltage | CCT   | Input Power | Lumen Output | Efficacy | CRI | L70 Calculated Life |
|---------------------------|---------------|-------|-------------|--------------|----------|-----|---------------------|
| ST1-13-UNV-4-18A-40-GL-DE | 120-277VAC    | 4000K | 18W         | 3,000        | 166 LPW  | ≥80 | 200,000 Hours       |
| ST1-13-UNV-4-18A-50-GL-DE | 120-277VAC    | 5000K | 18W         | 3,000        | 166 LPW  | ≥80 | 200,000 Hours       |

### Accessories

| Model             | Description  |
|-------------------|--|
| LS-1-4            | LoneStar, 1 Tube Strip Fixture Housing   |
| LS-2-4            | LoneStar Tandem, 8' Single Strip Housing   |
| TWS1              | TwinStar, 2 Tube Strip Fixture Housing   |
| TWS1-T            | TwinStar Tandem, 8' Double Strip Housing   |
| TWS1-1            | TwinStar, 2 Tube Strip Fixture Housing With Accommodations For Occupancy Sensor      |
| TR-3-4            | TriStar, 3 Tube Strip Fixture Housing  |
| USQS-44           | QuadStar, 4 Tube Wide Body Strip Housing   |
| HBT1              | SixShooter, 6 Tube High Bay Fixture Housing  |
| HBT1-1            | SixShooter, 6 Tube High Bay Fixture Housing With Accommodations For Occupancy Sensor |
| UCLL-24           | 2x4 Housing with Ribbed Lens - Ceiling Mounted                                       |
| UCLLS-24          | 2x4 Housing with Ribbed Lens - Surface Mounted                                       |
| LS-WG-48          | Wireguard Protection for LoneStar Strip Fixture Housing                              |
| BCK-8-2-US        | 1x8 Two Lamp Retrofit  |
| BCK-8-4-US        | 1x8 Four Lamp Retrofit   |
| RKSR-232TAN-WINST | 8' to 4' Conversion Kit  |
| USVT-24           | 4' Vapor Tight Housing   |
| USVT-44           | 8' Vapor Tight Housing   |
| BLD-HMXXD-YYY     | Emergency LED Driver - Adaptive Power   5-25W   100-277VAC                           |