

# Emergency LED Tubes

## T10 Type B Double-Ended



### Key Features

- Easy LED upgrade for existing fixtures with an integrated emergency battery back-up.
- Type B - Internal LED driver bypasses existing ballasts and eliminates the need for an external LED driver.
- Power at both ends of the LED tube.
- Instant on - no delay or warm up time.

### Electrical

- 120-277VAC input.
- Power Factor:  $\geq 0.90$ ; THD:  $< 20\%$
- Operating temperature:  $0^{\circ}\text{C}$  to  $40^{\circ}\text{C}$  ( $32^{\circ}\text{F}$  to  $104^{\circ}\text{F}$ ).
- 9.6V 600mAh Lithium integrated battery back-up provides 90 minutes of emergency operation; choice of 360 lm or 680 lm output.

### Construction

- Fully-sleeved aluminum and polycarbonate tube housing is shatter-resistant.
- No socket replacement necessary - for use with shunted or non-shunted sockets.
- MCU system with self-test feature.
- Easy disposal, non-hazardous waste.

### Optics

- Industry-leading LEDs with 4000K and 5000K CCT (minimum 80 CRI).
- Full illumination with  $180^{\circ}$  beam angle.
- Lumen Maintenance: 50,000 hours (L70) <sup>1</sup>

### Warranty

- Backed by US LED's Three-Year warranty.

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

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

### Product Performance Summary

|               |                    |
|---------------|--------------------|
| Lumen Output  | Up to 2,000 lumens |
| Efficacy      | Up to 133 LPW      |
| CRI           | $\geq 80$ CRI      |
| Available CCT | 4000K or 5000K     |
| Warranty      | 3-Year Warranty    |

### Product Overview

Emergency Type B double-ended LED tubes are the perfect solution for upgrading existing fluorescent fixtures to LED technology without a comprehensive reinstall. The internal LED driver allows them to bypass existing ballasts in a fluorescent fixture and wire directly to line voltage. By avoiding ballast compatibility issues, end users will avoid future maintenance headaches. With an integrated battery back-up, you'll benefit from up to 90 minutes of operation in the event of an emergency. Emergency LED tubes offer high quality illumination for 50,000 hours and are backed by a Three-Year warranty.

### Product Applications

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

### Product Certifications

- ETL Listed.
- Suitable for indoor damp locations.
- RoHS compliant.



### Ordering Information

Example: EMT1-2-UNV-4-15A-50-DE-T10

| Series | Variant                     | Input Voltage | Length  | Wattage   | CCT                  | Power Location  | Size    |
|--------|-----------------------------|---------------|---------|-----------|----------------------|-----------------|---------|
| EMT1   |                             |               |         |           |                      |                 |         |
| 1      | Emergency Operation: 680 lm | UNV 120-277V  | 4 4 ft. | 15A 15.0W | 40 4000K<br>50 5000K | DE Double Ended | T10 T10 |
| 2      | Emergency Operation: 360 lm |               |         |           |                      |                 |         |

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  $25^{\circ}\text{C}$  /  $77^{\circ}\text{F}$  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.

# Emergency LED Tubes

## Star T10 | Double-Ended Type B Series



### Performance Data

| Model                      | Input Power | Lumen Output | Efficacy | CCT   | L70 Calculate Life |
|----------------------------|-------------|--------------|----------|-------|--------------------|
| EMT1-1-UNV-4-15A-40-DE-T10 | 15.0W       | 2,000        | 133 LPW  | 4000K | 50,000 Hours       |
| EMT1-1-UNV-4-15A-50-DE-T10 | 15.0W       | 2,000        | 133 LPW  | 5000K | 50,000 Hours       |
| EMT1-2-UNV-4-15A-40-DE-T10 | 15.0W       | 2,000        | 133 LPW  | 4000K | 50,000 Hours       |
| EMT1-2-UNV-4-15A-50-DE-T10 | 15.0W       | 2,000        | 133 LPW  | 5000K | 50,000 Hours       |

### Accessories

Note: Accessories are only available with 4 ft. LED tubes only.

| 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                                                               |