

Snap-In LED Tubes

T8 Type B Double-Ended



Key Features

- Easy LED tube upgrade for existing 8 ft. fluorescent fixtures.
- 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: ≥ 0.90 ; THD: $< 20\%$
- Operating temperature: -20°C to 45°C (-4°F to 113°F).

Warranty

- Backed by US LED's industry-leading Ten-Year Warranty. Subject to applicable DT1 warranty terms, conditions, and exclusions.

Construction

- Fully-sleeved frosted glass tube housing is shatter-resistant.
- No socket replacement necessary; use with single pin or medium bi-pin snap-on joint.
- Two 4 ft. lamps snap-in together via proprietary joint to create an 8 ft. LED tube.
- Easy disposal, non-hazardous waste.

Optics

- Industry-leading LEDs with 4000K and 5000K CCT (minimum 80 CRI).
- Full illumination with 180° beam angle.
- Lumen Maintenance: 50,000 hours (L70) ¹

Project	Date
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Catalog Number	Type
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Product Performance Summary

Lumen Output	Up to 5,500 lumens
Efficacy	Up to 131 LPW
CRI	≥ 80 CRI
Available CCT	4000K or 5000K
Warranty	Ten-Year Warranty

Product Overview

The Snap-In T8 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. US LED tubes offer high quality illumination for 50,000 hours and are backed by a 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: DT1-1-UNV-8-36A-50-GL-DE-T8-P1

Series	Variant	Input Voltage	Length	Wattage	CCT	Diffuser	Power Location	Size	Options
DT1									
1	Standard	UNV 120-277V	8 8 ft.	36A 36.0W 42A 42.0W	40 4000K 50 5000K	GL Glass	DE Double Ended ²	T8 T8	P1 Low Efficacy P2 High Efficacy

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.

² Double-ended tubes are not compatible with fixtures using an emergency battery-backup.

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Performance Data

Model	Input Power	Lumen Output	Efficacy	CCT	L70 Calculate Life
DT1-1-UNV-8-36A-40-GL-DE-T8-P1	36.0W	4,200	116 LPW	4000K	50,000 Hours
DT1-1-UNV-8-36A-50-GL-DE-T8-P1	36.0W	4,200	116 LPW	5000K	50,000 Hours
DT1-1-UNV-8-36A-40-GL-DE-T8-P2	36.0W	4,800	133 LPW	4000K	50,000 Hours
DT1-1-UNV-8-36A-50-GL-DE-T8-P2	36.0W	4,800	133 LPW	5000K	50,000 Hours
DT1-1-UNV-8-42A-40-GL-DE-T8-P1	42.0W	5,500	131 LPW	4000K	50,000 Hours
DT1-1-UNV-8-42A-50-GL-DE-T8-P1	42.0W	5,500	131 LPW	5000K	50,000 Hours

Accessories

Model	Description
LS-2-4	LoneStar Tandem, 8' Single Strip Housing
TWS1-T	TwinStar Tandem, 8' Double Strip Housing
BCK-8-2-US	1x8 Two Lamp Retrofit
USVT-44	8' Vapor Tight Housing



TEN-YEAR GENERAL LIGHTING WARRANTY AND DISCLAIMER DT1 SERIES – UL TYPE B T8 SNAP-IN LED LAMPS

Beginning with products manufactured after the revision date below, US LED, Ltd. warrants to the purchaser that for a period of one hundred and twenty (120) months beyond the date of manufacture (or the date of receipt of product by the purchaser, if proper documentation is available, but not later than ninety (90) days beyond the date of manufacturing), US LED-branded 8-foot LED tubes (DT1 Series) shall be free from defects in workmanship and component materials arising from normal manufacturing processes, subject to the US LED Terms and Conditions and as set forth herein.

For the first sixty (60) months of this warranty period, US LED, Ltd.'s remedy shall, at its sole discretion, be limited to repair or replacement of the defective product or a credit to be used toward the purchase of US LED products. No freight or installation labor will be included in either instance.

For products that fail during months sixty-one (61) through one hundred and twenty (120), US LED, Ltd.'s liability shall be limited to a prorated credit toward replacement product as follows: fifty percent (50%) of the original purchase price in year six, forty percent (40%) in year seven, thirty percent (30%) in year eight, twenty percent (20%) in year nine, and ten percent (10%) in year ten. No freight or installation labor will be included.

A product will be considered defective for purposes of this warranty if, during the applicable warranty period, at least ten percent (10%) of the LED emitters fail to illuminate due to a manufacturing defect.

The standard five-year portion of this warranty applies when the product is operated within its published operating temperature range (up to 50°C ambient). This ten-year warranty applies only when the product is operated under normal commercial lighting conditions, is not operated for more than twelve (12) hours per day (4,380 hours per year), and is not used in high-abuse or continuous industrial-use applications unless expressly approved in writing by the Chief Executive Officer, President, Director of Engineering, or Operations Officer of US LED, Ltd. In addition, the product must be installed and operated in environments where the average ambient temperature does not exceed 35°C over the warranty period.

Because the 8-foot LED tube is a two-piece system incorporating a mechanical joining interface and required support components, this warranty is conditioned upon proper installation in accordance with US LED installation instructions. Required support clips must be installed, the tube must be properly assembled and fully engaged at the joining interface, the fixture must be dimensionally compatible and properly wired, and the complete installation must comply with applicable electrical codes. This warranty applies to electrical failures resulting from manufacturing defects and does not cover issues arising from improper installation, mechanical stress caused by incompatible fixtures, or omission of required support components.

ALL CLAIMS FOR BREACH OF WARRANTY MUST BE RECEIVED BY US LED, Ltd. NO LATER THAN THIRTY (30) DAYS AFTER THE END OF THE WARRANTY PERIOD.

THE PRODUCT(S) WARRANTY IS THE ONLY WARRANTY GIVEN BY US LED, Ltd. US LED, Ltd. MAKES, AND THE PURCHASER RECEIVES, NO OTHER WARRANTY EITHER EXPRESSED OR IMPLIED. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE ARE EXPRESSLY DISCLAIMED AND EXCLUDED.

THIS IS THE SOLE WARRANTY AND ONLY REMEDY OF ANY KIND FOR US LED, Ltd.'s WARRANTY. US LED, Ltd.'s LIABILITY, WHETHER IN CONTRACT, TORT, INCLUDING NEGLIGENCE OR ANY OTHER LEGAL THEORY, SHALL BE THE REPAIR, REPLACEMENT, OR CREDIT FOR DEFECTIVE PARTS AS STATED ABOVE AND SHALL IN NO WAY INCLUDE LIABILITY FOR CONSEQUENTIAL, SPECIAL, INDIRECT OR INCIDENTAL DAMAGES.