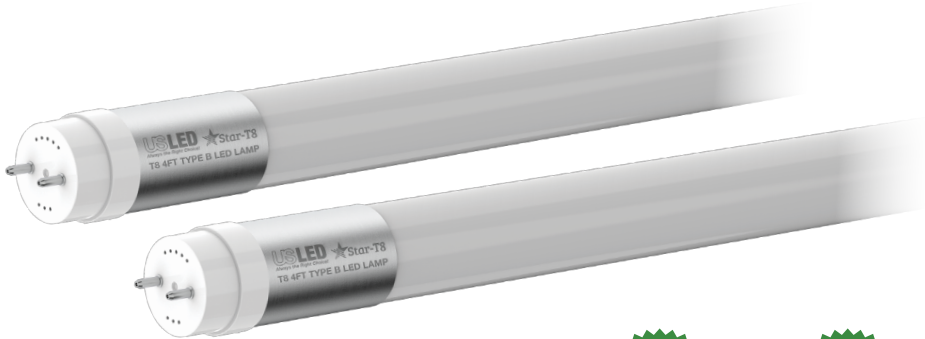


8.9W LED Lamps

T8 UL Type B Single or Double-Ended



Key Features

- **Fast, hassle-free upgrades:** Easily retrofit existing open or enclosed fixtures with energy-saving LED technology.
- **Internal driver advantage:** UL Type B design bypasses ballasts and removes the need for any external LED driver.
- **Instant-on lighting:** Immediate, flicker-free illumination with zero warm-up time.

Electrical

- Input Voltage: 120-277VAC
- Power Factor: ≥ 0.90 ; THD: $< 20\%$.
- Dimming: 0-10V standard.
- Operating Temperature: -20°C to 45°C (-4°F to 113°F).

Warranty

- Backed by US LED's industry-leading [Ten-Year Warranty](#).

Construction

- Standard 4 ft. length for seamless replacement of fluorescent lamps.
- Single or double-ended power input.
- Universal G13 medium bi-pin base.
- Durable frosted PET-coated glass is fully sleeved, shatterproof, and resistant to yellowing (IP20 rated).
- Environmentally friendly design enables safe, simple, and non-hazardous disposal.

Optics

- Industry-leading LEDs with 3500K, 4000K, and 5000K CCT (≥ 80 CRI). More CCT options are available; please consult factory. ²
- Multi-step precision binning ensures uniform color consistency and stability.
- $\geq 208^{\circ}$ wide beam angle allows for more uniform illumination and coverage.
- Lumen maintenance: 200,000 hours (L70) ¹

Project	Date
---------	------

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

Product Performance Summary

Lumen Output	Up to 1,720 lumens
Efficacy	Up to 193 LPW
Color Rendering Index	≥ 80 CRI
Available CCT	4000K, 5000K
Warranty Coverage	Ten-Year Warranty

Product Overview

Star-T8® UL Type B LED lamps redefine what's possible for LED upgrades. At only 8.9W, they deliver the highest efficiency in the industry without sacrificing light quality. Designed with real-world conditions in mind, these lamps provide installers with more flexibility with single or double-ended wiring options.

LED lamps are lightweight yet durable, making them easy to handle in the field so contractors can work quickly and confidently. Once installed, they provide illumination for up to 200,000 hours (L70), with lifetimes that outlast alternatives. They're also backed by US LED's Ten-Year Warranty, giving customers complete peace of mind. **The result? A best-in-class solution that saves time, cuts costs, and provides long-lasting performance.**

Product Applications

- Fluorescent-to-LED
- LED-to-LED (re-LED)
- Retail Stores
- Supermarkets
- Office Buildings
- Industrial/Warehouses
- Schools/Universities
- Government/Municipal

Product Certifications

- UL Listed; Complies with UL1598 and CSA22.2
- DLC Listed; Meets DLC 5.1 requirements.
- Suitable for indoor dry and damp locations.
- RoHS compliant; Mercury and UV-free.
- Complies with Part 15 of the FCC Rules.



Ordering Information

Example: **ST1-29-UNV-4-9A-50-GL-DE-T8**

ST1								
Series	Variant	Input Voltage	Length	Wattage	CCT ²	Housing/Diffuser	Power Location	Diameter Size
	29 Standard	UNV 120-277V	4 4 ft.	9A 8.9W	40 4000K 50 5000K	GL PET-Coated Glass	DE Single- or Double-Ended Power Input	T8 T8

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.

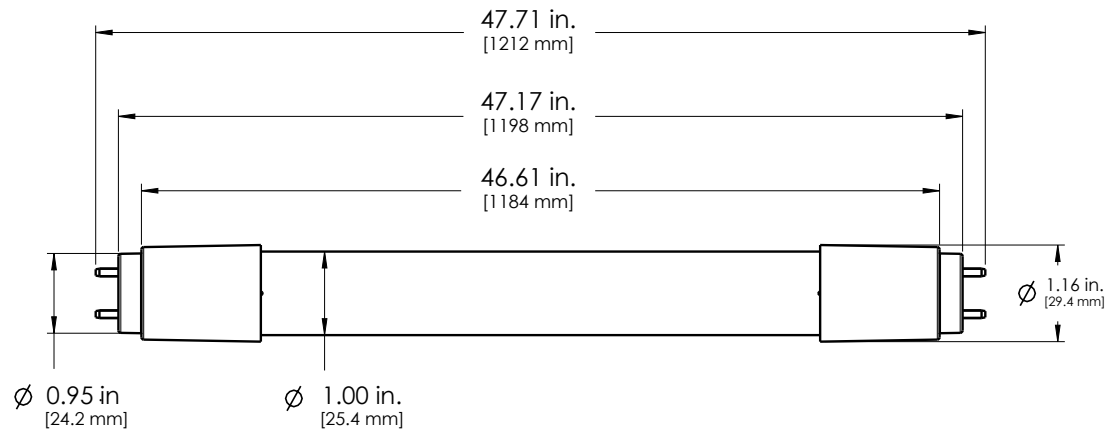
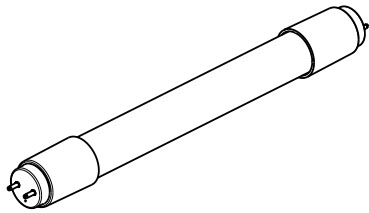
2. Additional CCT options available and are subject to lead times.

8.9W LED Lamps

T8 UL Type B Single- or Double-Ended

Dimensions

Net Weight	Quantity Per Carton
0.40 lbs. (0.18 kg)	25



Performance Data

Model	Input Voltage	CCT	Input Power	Lumen Output	Efficacy	CRI	L70 Calculated Life
ST1-29-UNV-4-9A-40-GL-DE-T8	120-277VAC	4000K	8.9W	1,720	193 LPW	≥80	200,000 Hours
ST1-29-UNV-4-9A-50-GL-DE-T8	120-277VAC	5000K	8.9W	1,720	193 LPW	≥80	200,000 Hours

Accessories



Emergency Battery Backup | ACE-G10B-180CP

- Constant output power: Constant emergency light levels over full 90-minute runtime and over output voltage range.
- Includes input over voltage surge protection, output short circuit, open circuit, and over-voltage protection, as well as over-temperature protection for improved reliability.
- Includes a miniature illuminated test switch status indicator.

Output Power Max	10W
Input Power	7W
Input Current Max	140 mA
Emergency Operation	90 Minutes
Battery	LiFePO4 24 Hour Recharge 7 to 10 year Life Expectancy
Input Voltage	120-277 VAC 50/60Hz

Product Dimensions			
Length	15.55"	Height	1.16"
Width	1.49"	Mounting Length	15.23"

Model	Description
LS-1-4	LoneStar, 1 Lamp Strip Housing
LS-2-4	LoneStar Tandem, 8' Single Strip Housing
TSW1	TwinStar, 2 Lamp Strip Housing
TWS1-T	TwinStar Tandem, 8' Double Strip Housing
TWS1-1	TwinStar, 2 Lamp Strip Housing With Accommodations For Occupancy Sensor
TR-3-4	TriStar, 3 Lamp Strip Housing
USQS-44	QuadStar, 4 Lamp Wide Body Strip Housing
HBT1	SixShooter, 6 Lamp High Bay Housing
HBT1-1	SixShooter, 6 Lamp High Bay Housing With Accommodations For Occupancy Sensor
LS-WG-48	Wireguard for LoneStar Strip Housing
UCLL-24	2x4 Housing Ribbed Lens - Ceiling Mount
UCLLS-24	2x4 Housing Ribbed Lens - Surface Mount
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