

# SYLVANIA Lamps

## EntryLED™ T8

UL Type A LED Lamps for use with  
Compatible Instant Start Ballasts

### Application

SYLVANIA linear EntryLED™ T8 lamps are an energy saving alternative, designed to directly replace traditional fluorescent T8 lamps. These LED T8 lamps contain no mercury, provide instant light and a uniform light distribution. Engineered to operate with existing compatible ballasts, these lamps provide fluorescent lamp performance with the basic efficiency of LED.

### Benefits and Features

- Efficacy up to 100 LPW
- CRI > 80
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- 3500K, 4100K, and 5000K color temperatures
- Beam angle: 240° with frosted Glass optics
- No UV emission
- Suitable for dry and damp locations

### Electrical

- Compatible with select instant start electronic T8 ballasts.  
[Click here](#) to access the latest Ballast Compatibility Chart.



Scan here to access the latest  
Ballast Compatibility Chart

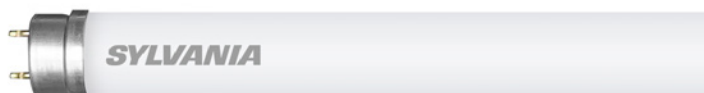
- Power Factor > 0.9
- THD < 25%
- Non-dimmable. Not DLC approved

### Rated Life

- 15,000 hours (L<sub>70</sub>)

### Warranty

- Lamps are covered by a 1-year limited warranty.  
For additional details, please visit:  
[www.ledvanceUS.com/warranty](http://www.ledvanceUS.com/warranty)
- NLB Trusted Warranty Program



### Wattage Comparison

	System Power <sup>1</sup>	Traditional System Power F032T8 (with QHE2x32 ISN)	System Power Savings
LED18T8L48FG8XXFL-A	38W	55W	31%

1. 4ft 32W T8 w/QHE 2X32T8/UNV ISN-SC

### Operating Temperature

- -4° F to + 113° F (-20°C to +45°C)

### Maximum Case Temperature

- 140° F (60°C)

### Certifications and Listings

- cULus
- RoHS
- FCC\*
- Mercury Free
- Lead Free

\*FCC Title 47 CFR, Part 15 Subpart B Class

### Installation

- Please refer to the Installation manual included inside the packaging and the applications information listed below for more information.



LED599 06-23



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Ordering Guide

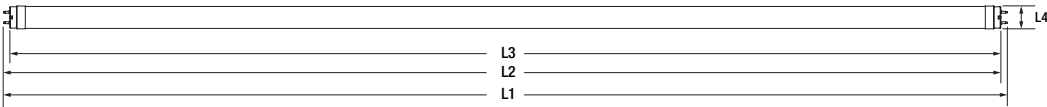
LED	18	T8	L48	FG	8	XX	FL	-A
LED	Wattage 18 = 18W	Lamp Type T8	Length L48 = 48"	FG = Frosted Glass	CRI 8 = 82	Color Temperature 35 = 3500K 41 = 4100K 50 = 5000K	Replacement FL= Fluorescent	-A = UL Type A

Ordering Information

Item Number	Ordering Abbreviation	Length	Lens Material	Power (W) <sup>1</sup>	Lamp Efficacy	Typical Lumens (lm) <sup>1</sup>	CCT	CRI	Life (L <sub>70</sub> ) Hours	Beam Angle (°)	Case Qty	Pallet Qty	Base Type
42150	LED18T8L48FG835FL-A	4ft	Frosted Glass	18	100	1800	3500K	82	15,000	240	25	750	G13
42151	LED18T8L48FG841FL-A	4ft	Frosted Glass	18	100	1800	4100K	82	15,000	240	25	750	G13
42152	LED18T8L48FG850FL-A	4ft	Frosted Glass	18	100	1800	5000K	82	15,000	240	25	750	G13

1. Average Lamp Power and Average Lamp Lumens rated on QHE 2X32T8/UNV ISN-SC

Physical Information



Lamp Description	L1 End of Base Pin to End of Opposite Pin End	L2 Base Face to Opposite Base Pin	L3 Base Face to Base Face	L4 Bulb Outside Diameter	Bare Weight
LED18T8L48FG8XXFL-A	47.725" ± 0.055" (1212.2mm ± 1.4mm)	47.45" ± 0.05" (1205.25mm ± 1.25mm)	max 47.22" (1199.4mm)	1.02" ± 0.08" (25.9mm±2.0mm)	202 grams

## Application Information

1. Please read all installation instructions before attempting installation.
2. Due to numerous ballast designs, versions and topologies this lamp should be tested on existing ballasts before mass quantities are installed.
3. Not intended for use with older dedicated voltage (120V, 277V or 347V) ballasts. These ballasts have electronic components that degrade over time and may become unsuitable for the new LED T8 lamp.
4. Not for use with magnetic, rapid start, programmed rapid start or any dimming ballast.
5. All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off. Lamps should be installed and operated in compliance with the National Electrical Code (NEC), Underwriters Laboratories Inc. (UL) requirements, and all applicable codes and regulations.
6. Insert and align tubes properly in lamp holders. Partial insertion results in a poor or intermittent electrical contact that can result in short lamp life and arcing. Arcing at the lamp holder can result in localized overheating.
7. Use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration (This lamp operates only with instant start ballasts).
8. No delamping is allowed.
9. Suitable for use in dry and damp environments.
10. Maximum mounting distance between tube and ballast is 20 feet.
11. Not for use with other LED or fluorescent lamps on the same ballast.
12. For detailed warranty information, please see [www.ledvanceUS.com](http://www.ledvanceUS.com).

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