

# SYLVANIA Lamps

## LEDlescent™ T8 Ballast-Free Lamp

### Application

LEDlescent T8 Ballast-Free lamps are an energy saving alternative, designed to replace traditional fluorescent T8/T12 lamps by bypassing the existing ballast. These LED T8 lamps contain no mercury, provide instant light and a uniform light distribution. Engineered to operate directly on 120-347V, these lamps minimize labor and recycling costs. These lamps can be used with occupancy and vacancy sensors for enhanced energy savings. When installing the LEDlescent T8 lamps, the UL rating of the existing fixture is not voided (even when it is electrically modified) since our LEDlescent T8 lamp is UL Classified (as a luminaire conversion retrofit kit) under UL standard 1598C. UL 1598C is the standard covering LED retrofits intended for an existing UL rated fixture. Since the user is retrofitting with a UL1598C classified LED kit, the installer must follow the installation instructions included with the lamps for the modified fixture to retain its UL rating.



### Benefits and Features

- Optimized glass optics
- Installed directly on 120-347V
- For use with shunted and non-shunted sockets, therefore no socket change is needed
- Double-ended power wiring configuration
- 3000K, 3500K, 4100K and 5000K color temperature
- No UV emission
- Suitable for open and enclosed fixtures
- Suitable for dry and damp locations (cannot come in direct contact with water)
- DLC listed – allows for rebates in areas where applicable, saving on overall project cost

### Electrical

- 120-347V<sub>AC</sub>
- Power Factor 90%
- Non-dimmable

### Rated Life

- 50,000 hours (L<sub>70</sub>)

### Warranty

- 5-year

### Ambient Operating Range

- -4°F to +113°F (-20°C to +45°C)

### Specifications and Certifications



### Wattage Comparison

	System Power <sup>1</sup>	Traditional System Power F032T8 (with QHE2x32 ISN)	Energy Savings/Year <sup>2</sup>
LED15T8L48FGUNH BF	30W	55W	45%

1. Ballast bypass  
2. 24 hours a day

### Certifications and Listings

- cULus
- RoHS
- FCC
- Lead Free
- Mercury Free

### Installation

- Please refer to the Installation manual included inside the packaging and the applications information listed below for more information. (G13 medium bi-pin base).

## Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

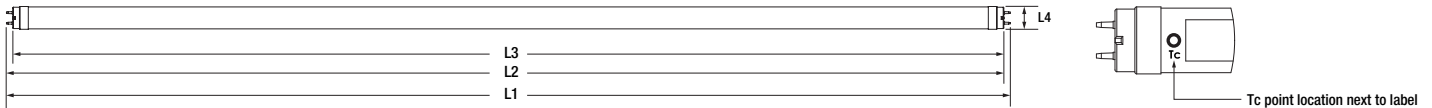
## Ordering Guide

<b>LED</b>	<b>15</b>	<b>T8</b>	<b>L</b>	<b>48</b>	<b>FG</b>	<b>UNH</b>	<b>8</b>	<b>30</b>	<b>BF</b>
LED	Wattage 15 = 15 Watts	Lamp Type T8	Length 48 inches		Color/Finish Frosted Glass	Voltage UNH = Universal 120-347V	CRI 8 = 82	Color Temperature 30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K	Lamp Type Ballast-Free

## Ordering Information

Item Number	Ordering Abbreviation	Length	Lens Material	Power (W)	Lamp Efficacy	Typical Lumens (lm)	CCT	CRI	Life (Hours L70)	Beam Angle (°)	Case Qty	DLC Listed
41280	LED15T8L48FGUNH830BF	4ft	Glass	15	133	2000	3000K	82	50,000	220	25	Yes
41281	LED15T8L48FGUNH835BF	4ft	Glass	15	140	2100	3500K	82	50,000	220	25	Yes
41282	LED15T8L48FGUNH841BF	4ft	Glass	15	147	2200	4100K	82	50,000	220	25	Yes
41283	LED15T8L48FGUNH850BF	4ft	Glass	15	147	2200	5000K	82	50,000	220	25	Yes

## 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
LED15T8L48	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)

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