

SYLVANIA Lamps

LEDlescent™ 8FT T8HO Ballast-Free Lamps

Application

LEDlescent T8HO 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 120-277V, 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. UL1598C 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
- CCT: 3000K, 3500K, 4000K, 5000K
- Installed directly on 120-277V
- Available in Fa8 (single-pin) and R17d (recessed double-contact)
- Double-ended power wiring configuration
- No UV emission
- Suitable for open and enclosed fixtures
- Suitable for dry and damp locations (cannot come in direct contact with water)

Electrical

- 120-277V_{AC}
- Power factor 90%
- Non-dimmable

Rated Life

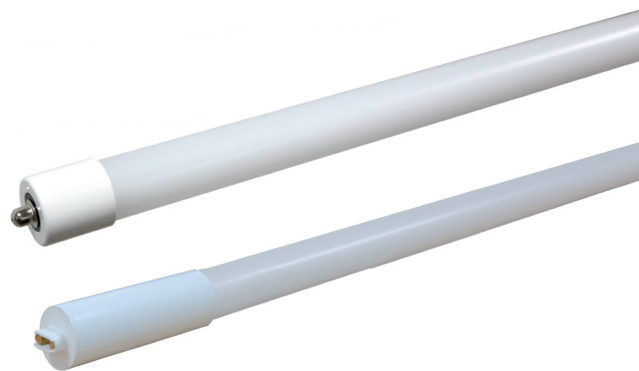
- 50,000 hours (L₇₀)

Warranty

- 5-year limited lamp warranty (24/7 operation)
- NLB Trusted Warranty Program

Ambient Operating Range

- -4°F to 113°F (-20°C to 45°C)



Wattage Comparison

	System Power ¹	Traditional System Power F096T8 (with QHE2x59 ISN)	Energy Savings/Year ²
LED42T8	84W	109W	23%

1. Ballast bypass
2. 24 hours a day

Certifications and Listings

- cULus
- RoHS
- FCC
- Lead Free
- Mercury Free
- DLC 5.0

Installation

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



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

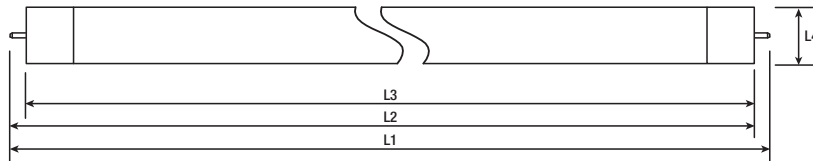
Ordering Guide

LED	42	T8	XXXX	L96	FGP	8	XX	BF
LED	Wattage 42 = 42 Watts	Lamp Type T8	Base Type FA8 R17D	Length 96"	Color/Finish FGP = Frosted Glass	CRI 8 = 82	Color Temperature 30 = 3000K 35 = 3500K 40 = 4000K 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 (L70) Hours	Beam Angle (°)	Case Qty	DLC Listed
41194	LED42T8FA8L96FGP830BF	8ft	Glass	42	126	5300	3000K	82	50,000	220	10	5.0
41195	LED42T8FA8L96FGP835BF	8ft	Glass	42	126	5300	3500K	82	50,000	220	10	5.0
41196	LED42T8FA8L96FGP840BF	8ft	Glass	42	129	5400	4000K	82	50,000	220	10	5.0
41197	LED42T8FA8L96FGP850BF	8ft	Glass	42	131	5500	5000K	82	50,000	220	10	5.0
41198	LED42T8R17DL96FGP830BF	8ft	Glass	42	126	5300	3000K	82	50,000	220	10	—
41199	LED42T8R17DL96FGP835BF	8ft	Glass	42	126	5300	3500K	82	50,000	220	10	—
41200	LED42T8R17DL96FGP840BF	8ft	Glass	42	129	5400	4000K	82	50,000	220	10	—
41201	LED42T8R17DL96FGP850BF	8ft	Glass	42	131	5500	5000K	82	50,000	220	10	—

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
LED/L96	93.865" ± 0.135" (2384.171mm ± 0.135mm)	93.535" ± 0.115" (2375.789mm ± 2.921mm)	max 93.39" (2369.82mm)	1.02" ± 0.08" (25.9mm ± 2.0mm)

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