

LEDual® T8 Hybrid Type A/B Lamps



Features and Benefits

- Optimized glass optics available in 4ft length
- Installation:
 - Directly on T8 Compatible ballasts* or
 - Directly on 120-277V line voltage
- For use with shunted or non-shunted sockets
- Beam angle: 220° for even illumination
- Long life: 60,000 hours
- Warranty: 5 year limited lamp warranty (24/7 operation)
- THD <20%, power factor >0.90
- No warm up time: Instant on, full light output and stable lamp to lamp color.
- Maximize energy savings by pairing with occupancy sensors.

SYLVANIA LEDual® LED T8 lamps provide solutions for installations using existing T8 ballasts, or for eliminating the use of a ballast in any T12 or T8 fixture entirely. They are designed to be both ballast compatible and ballast-free, combining two reliable technologies in one.

Install LEDual lamps directly into T8 fixtures with T8 instant start ballast and select (parallel wired) programmed rapid start ballasts* for a plug-n-play solution. Alternately, if the use of the ballast is not desired, simply rewire the fixture to by-pass the ballast and operate the lamps directly on line voltage.

*please consult the ballast compatibility list on www.sylvania.com



Applications:

- General Illumination
- Residential
- Schools
- Display
- Retail

Market Segments:

- Hospitality
- Residential
- Hospital
- Main Street
- Education
- Office

Application notes

1. 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.
2. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
3. Ensure lamp holders/sockets are in good operating condition before installation.
4. For ballast compatible operation; Due to numerous ballast designs and topologies, this lamp should be tested on existing ballasts before mass quantities are installed.
5. Not intended for use with older dedicated voltage (120V or 277V) ballasts. These ballasts have electronic components that degrade over time and may become unsuitable for the new LED T8 lamp.
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. Suitable for dry and damp locations – not for use where directly exposed to water
8. Not for use with emergency light fixtures or exit lights
9. Operating temperature range between -20°C and +45°C (-4°F and + 113°F)
10. Maximum mounting distance between tube and ballast is 20 feet.
11. Please read all installation instructions before attempting installation.
12. For detailed warranty information, please see www.sylvania.com

Specifications

Ambient Operating Temperature: -4° to 113F (-20°C - 45°C)

EMI/RFI: FCC Title 47 CFR, Part 18
Max Case Temperature: 158°F (70°C)

Lighting Data:

Lumen Output: Output is dependent on operating ballast

Lumens per Watt: Up to 150 LPW

R9: Up to 13

Ordering Information

Item Number	Ordering Abbreviation	Length	Lamp Power (W)	System Power QHE ISN	Lamp Lumens	Color Temp.	CRI	Beam Angle	Package Quantity
TBD	LED15T8/L48/FG/830/HYB	4ft	15	19	2200	3.000K	82	220°	10
TBD	LED15T8/L48/FG/835/HYB	4ft	15	19	2200	3.500K	82	220°	10
TBD	LED15T8/L48/FG/841/HYB	4ft	15	19	2200	4.100K	82	220°	10
TBD	LED15T8/L48/FG/850/HYB	4ft	15	19	2200	5,000K	82	220°	10

Ordering Guide

LED	/	15	/	T8	/	L	/	48	/	FG	/	8	/	41	/	HYB
LED Lamps		Wattage		Lamp Type		Length		48 Inches		Frosted Glass		CRI 82		Color Temperature		LEDual Type A Ballast Compatible or B T8 Direct wire Line Voltage LED Lamps
														30 = 3000K		
														35 = 3500K		
														41 = 4100K		
														50 = 5000K		

Lamp Dimensions

