

SubstiTUBE® DuoTube T8 Lamps

Replacement for T8/T12 Lamps



SYLVANIA SubstiTUBE DuoTube LED T8 lamps are a flexible solution for users that cannot access the ballast in their fixture or do not want to replace the ballast.

Other SubstiTUBE products will not run on T12 ballasts. DuoTube will operate on these ballasts as well as T8 Instant Start Ballasts, giving you the flexibility to truly “plug-and-play”*.

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

Key Features & Benefits

- DuoTube has a flexible design to work on various ballasts including select T12 magnetic ballasts and T12 electronic ballasts, allowing for upgrading T12 fixtures without having to change the ballast, saving labor costs
- Also works on T8 Instant Start ballast, providing the option of using one lamp for mixed applications where lamps and ballasts may have been “spot” replaced
- 15W* Lamp power affords energy savings up to 29%

*15W rating is on T8 instant start, electronic ballasts.

Specifications and Certifications



Application Information

Applications

- Display
- General illumination
- Residential
- Retail
- Schools

Market Segments

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

Application Notes

1. Due to numerous ballast designs and topologies, this lamp should be tested on existing ballasts before mass quantities are installed.
2. 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.
3. 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.
4. 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.
5. For instant start ballasts, use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration.
6. For Rapid Start ballasts (T12), use rapid-start lamp holders (non-shunted lamp holders).
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.



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

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

EMI/RFI: FCC Title 47 CFR, Part 18, Non-Consumer and Part 15, Class B

Lighting Data

Lumen Output: Output is dependent on operating ballast

Lumens per Watt: Up to 121

R9: Up to 13

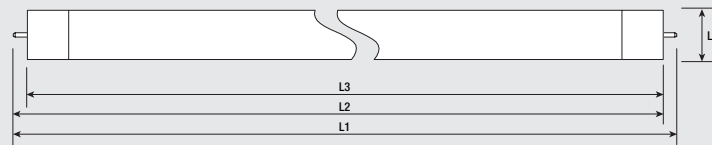
Ordering Information

Item Number	Ordering Abbreviation	Lamp Length	Lamp Power (W)	Lamp Lumens	Color Temperature	CRI	Beam Angle (°)	Package Quantity
TBD	LED15T8/L48/FG/830/DUO	4ft	15	2100	3000K	82	220	10
TBD	LED15T8/L48/FG/835/DUO	4ft	15	2100	3500K	82	220	10
TBD	LED15T8/L48/FG/841/DUO	4ft	15	2100	4100K	82	220	10
TBD	LED15T8/L48/FG/850/DUO	4ft	15	2100	5000K	82	220	10

Ordering Guide

LED	15	T8	/	L	48	/	FG	/	8	41	/	DUO
LED	Wattage	Lamp Type		Length	48 Inches		FG = frosted glass		CRI = 82	Color Temperature 30 = 3000K 35 = 3500K 41 = 4100K 50 = 5000K		SubstiTUBE DuoTube (Compatible with T12 electronic and T8 electronic instant start ballasts)

Lamp Dimensions



Product Description	L1 End of Base Pin to End of Opposite Pin End	L2 Base Face to End of Opposite Base Pin	L3 Base Face to Base Face	L4 Bulb Outside Diameter
LED15T8L48/FG/841/DUO	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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