

SubstiTUBE® LED T5HO Lamps

Energy saving replacement for fluorescent T5HO lamps



Key Features & Benefits

- CCT: 3000K, 3500K, 4100K, 5000K
- Beam angle: 180°
- Operates on programmed rapid start T5HO electronic ballasts with input voltage of 120-277V & 347V
- Long life: 50,000 hour life (L₇₀)
- Suitable for dry and damp locations (cannot come in direct contact with water)
- Suitable for open fixtures
- 5 year limited lamp warranty (24/7 operation)
- Reduces energy consumption up to 40%

SYLVANIA SubstiTUBE LED T5HO lamps are an energy saving alternative, designed to replace traditional fluorescent T5HO lamps. These LED T5HO lamps mimic the look of traditional fluorescent T5 HO lamps, contain no mercury and provide a uniform light distribution with an optimized glass optic design.

SYLVANIA SubstiTUBE LED T5HO lamps are compatible with 120-277V and select 347V ballasts (for complete list of compatible ballasts please see the ballast compatibility list).

Engineered to operate on select programmed rapid start electronic T5HO ballasts, these lamps minimize labor costs.

Product Offering

Lamp Type	Color Temperature	CRI
LED T5HO	3000K, 3500K, 4100K, 5000K	82

Application Information

Applications

- Cove lighting
- General illumination
- High-Bay
- Industrial

Specifications and Certifications



Specification Data

Catalog #	Type
Project	
Comments	
Prepared by	

Specifications

Energy Data

Ambient Operating Temperature: -4°F to 122°F
(-20°C to 50°C)
EMI/RFI: FCC Title 47 CFR, Part 18, Non-Consumer
Max Case Temperature: 140°F (60°C)

Lighting Data

Lumen Output: Up to 3500 lumens
Lumens per Watt: Up to 129 LPW
Correlated Color Temperature (CCT): 3000K, 3500K, 4100K, 5000K
Color Rendering Index (CRI): 82

Ordering Information

Item Number	Ordering Abbreviation	Lamp Power (W) ¹	Lamp Lumens (lm) ¹	Color Temp.	CRI	Beam Angle (°)	Package Quantity	DLC (Y/N)
49895	LED25T5HO/L48/FG/830/SUB/G7	25	3300	3000K	82	180	25	Y
49896	LED25T5HO/L48/FG/835/SUB/G7	25	3300	3500K	82	180	25	Y
49897	LED25T5HO/L48/FG/841/SUB/G7	25	3500	4100K	82	180	25	Y
49898	LED25T5HO/L48/FG/850/SUB/G7	25	3500	5000K	82	180	25	Y

¹Lamp Power and Lamp Lumens rated on QHE2x54T5HO/UNV PSN
Please contact your SYLVANIA product sales representative for additional information.

Ordering Guide

LED	25	T5	H0	/	L	48	/	FG	/	8	41	/	SUB	/	G7
LED	Wattage	Lamp Type			Length	48 Inches		Frosted Glass		CRI 82	Color Temperature 41 = 4100K 30 = 3000K 35 = 3500K 50 = 5000K		SubstiTUBE® (Compatible LED T5HO for use with select programmed rapid start – T5HO electronic ballasts)		Generation

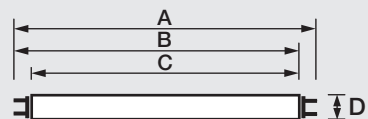
Application Information

Application Notes

1. Not suitable for enclosed fixtures (air-tight).
2. Due to numerous ballast designs and topologies, this lamp should be tested on existing ballasts before mass quantities are installed.
3. 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.
4. 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.
5. Operating temperature range between -4°F and 122°F (-20°C and 50°C).
6. Suitable for use in dry and damp environments.
7. Maximum mounting distance between tube and ballast is 20 feet.
8. Due to the programmed rapid start coil-heat circuitry, start times of lamps within a fixture may vary, but all reach maximum lumen output in less than one second.
9. Please read all installation instructions before attempting installation.
10. For detailed warranty information, please see www.sylvania.com.
11. No de-lamping is allowed on any SubstiTUBE T5HO product.

Lamp Dimensions

	(A) Max. Overall Length (in./mm)	(B) Base Face to Opposite Pin (in./mm)	(C) Max. Base Face to Base Face(in./mm)	(D) Max. Outside Diameter (in./mm)
LED25T5HO	45.80/1163	Min. 45.42/1154 Max. 45.52/1156	Min. 45.16/1147 Max. 45.24/1149	0.67/17.0



Specifications & Lighting Data

Lamp	Ballast	Current (AMPS)	System Power (W)	System Lumens (lm)	System Efficacy (lm/W)	No. of Lamps
LED25T5HO	QHE2x54T5HO/UNV PSN	0.52/0.22	56	7000	125	2
LED25T5HO	QHE2x54T5HO/347-480 PSN HT MCL	0.16	54	7000	129	2

Warranty

SubstiTUBE® LED T5HO lamps are covered by a 5 year limited warranty (24/7 operation).
For additional details, please visit www.sylvania.com/warranty.

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Specifications subject to change without notice.

