

PRODUCT DATASHEET

LED SUB T8 TruWave 13W 4' FP 950 DIM

SYLVANIA SubstiTUBE® IPS LED T8 TruWave® | SYLVANIA SubstiTUBE Ballast Compatible IPS LED T8 with TruWave Technology



Areas of application

- Grocery & Retail
- Education
- Offices
- Warehouse & Distribution

Product features

- Controls blue wavelengths for lower glare and reduced eye strain to improve readability
- Clean light color rendering for seeing realistic, vivid colors
- Properly saturates red to make building spaces and flesh tones accurate and vibrant
- Familiar form factor of shatter-proof nano-plastic with plastic endcaps
- CRI 90; R9 >50, average R9-R12 ≥ 78 ; IES TM-30-18 Rf >91 & Rg >95 exceptional color quality
- Can be used in enclosed (lens or diffuser) luminaire
- Not approved for use in vapor tight or sealed luminaire
- Dimmable down to 10% with compatible 0-10V ballast
- Static color temperature
- Efficacy up to 162 LPW
- Beam angle: 220°. Light emitting area: 340°
- NSF-ANSI Standard 2 – Food Equipment



TECHNICAL DATA

Additional product data

Base type	G12
Mercury content	0.0 mg
Ordering Abbreviation	LED13T8L48FPDIM950TLSUB
Abbrev. With Packaging Info.	LED13T8L48FPDIM950TLSUB 25/CS 1/SKU
SKU UPC	0046135408946
NAED	40894
Family Brand Name	SubstiTUBE® TruWave™
General Description	4ft SubstiTUBE™ LED T8, Natural™ TruWave™, Frosted Nano-Plastic, 13W, Dimmable, 90CRI Full Spectrum, 2100 Lumen, 5000K, 60000 life
Warranty	5 years

Electrical data

Nominal Wattage	13.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	32 W
Type of current	AC

Photometrical data

Lumens	2100 lm
Efficacy	162
Color Temperature/CCT	5000 K
Color Rendering Index (CRI)	90
Light color	950

Dimensions & Weight

Overall length	1219.20 mm
Diameter	1.02 in
Product weight	0.44 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	PLASTICS

Application & Mounting

Dimming	Yes
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Temperatures & operating conditions

Ambient temperature range	-20...+50 °C
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Lifespan

Average Rated Life (hr)	60000
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Capabilities

Dimming	Yes
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Certificates & Standards

Certification Listing	RoHS / CSA / FCC / DLC / cULus
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Logistical data

SKU Qty	1
Case Qty	25
Case Length (in)	49.606
Case Width (in)	5.866
Case Depth (in)	5.748
Case Cube (ft)	0.968
Case Weight (lbs)	12.037
SKU UPC	0046135408946
Pallet Qty	1,400

Safety advice

- Test on existing ballasts before mass quantities are installed.
- Not for use with older dedicated voltage (120V or 277V) ballasts.
- Not for use with ballasts more than ten years old.
- Must consult the ballast compatibility list to ensure that the lamp and ballast combination is deemed compatible.
- All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off.
- Refer to the installation manual included inside the packaging.
- 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.
- De-lamp is not allowed for ISH ballasts.
- For approved ISN and ISL ballasts, de-lamp is allowed for only 1 lamp so long as the ballast factor remains below 1.20 (for example, 4 lamp ballast can de-lamp to 3 lamps).
- Suitable for dry and damp locations (cannot come in direct contact with water).
- Maximum mounting distance between tube and ballast is 20 feet.
- Operating temperature range between -4°F and 113°F (-20°C and 45°C).
- Not for use with other LED or fluorescent lamps on the same ballast.

- Not for use with magnetic ballasts.
- Please read and comply with all instructions before attempting installation.

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Installation Guide	SubstiTUBE IPS LED T8 Installation Guide
	Product Family Spec Sheet	SubstiTube IPS TruWave® LED T8

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.