

PRODUCT DATASHEET

LED SUB T8 8.5W 2' FP 850

SYLVANIA SubstiTUBE® IPS LED T8 Plastic | SYLVANIA SubstiTUBE Ballast Compatible IPS LED Plastic T8



Areas of application

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

Product features

- Shatterproof frosted nano plastic lamps do not break in the manner of glass LED or fluorescent lamps
- Static color temperature
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- Beam angle: 160°. Light emitting area: 340°
- G13 medium bi-pin base
- Maximize energy savings with occupancy sensors
- NSF-ANSI Standard 2 – Food Equipment
- Energy savings up to 55 %
- Can be used in enclosed (lens or diffuser) luminaire
- Not approved for use in vapor tight or sealed luminaire
- No UV emission



TECHNICAL DATA**Additional product data**

Base type	G12
Mercury content	0.0 mg
Ordering Abbreviation	LED8T8/L24/FP/850/SUB/G8
Abbrev. With Packaging Info.	LED8T8L24FP850SUBG8 25/CS 1/SKU
SKU UPC	0046135404948
NAED	40494
Family Brand Name	SubstiTUBE®
General Description	2ft SubstiTUBE LED T8, frosted Nano plastic, 8W, 82 CRI, 1250 Lumens, 5000K, 50000 life
Warranty	5 years

Electrical data

Nominal Wattage	8.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	17 W
Type of current	AC

Photometrical data

Lumens	1250 lm
Efficacy	156
Light color (designation)	Daylight
Color Temperature/CCT	5000 K
Color Rendering Index (CRI)	82
Light color	850

Dimensions & Weight

Overall length	604.01 mm
Diameter	27.9 in
Product weight	0.17 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	PLASTICS

Application & Mounting

Dimming	No
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Temperatures & operating conditions

Ambient temperature range	-20...+45 °C
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Lifespan

Average Rated Life (hr)	50000
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Capabilities

Dimming	No
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Certificates & Standards

Certification Listing	RoHS / CSA / FCC / cULus
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Logistical data

SKU Qty	1
Case Qty	25
Case Length (in)	25.500
Case Width (in)	7.930
Case Depth (in)	8.500
Case Cube (ft)	0.995
Case Weight (lbs)	6.089
SKU UPC	0046135404948
Pallet Qty	1,000

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.
- Ensure tubes are fully inserted and properly aligned in the lamp holders. Partial insertion can cause poor or intermittent electrical contact, leading to reduced lamp life and potential arcing, which may result in localized overheating.
- For instant start ballasts, use lamp holders with an internal shunt or ensure that lamp holders are wired in a shunt configuration.
- For Programmed Rapid Start ballasts, use rapid-start lamp holders (non-shunted lamp holders).
- 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.
- 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
	Installation Guide	Install Guide SubstiTUBE T8 LED lamps 2ft/8W 3ft/11W
	Product Family Spec Sheet	SubstiTUBE® IPS LED T8 G8 Lamps

DISCLAIMER

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