

PRODUCT DATASHEET

LED SUB T8 13W 4' FP 850 DIM

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	G13
Mercury content	0.0 mg
Ordering Abbreviation	LED13T8L48FPDIM850SUBG8
Abbrev. With Packaging Info.	LED13T8L48FPDIM850SUBG8 25/CS 1/SKU
SKU UPC	0046135405945
NAED	40594
Family Brand Name	SubstiTUBE®
General Description	4ft SubstiTUBE LED T8, Frosted Nano plastic, 13W, Dimmable, 82 CRI, 2100 Lumens, 5000K, 50000 hours 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)	82
Light color	850

Dimensions & Weight

Overall length	1219.20 mm
Diameter	1 in
Product weight	0.29 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	PLASTICS

Application & Mounting

Dimming	Yes
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Lifespan

Average Rated Life (hr)	50000
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Capabilities

Dimming	Yes
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Certificates & Standards

Certification Listing	CSA / cULus / FCC / RoHS
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Logistical data

SKU Qty	1
Case Qty	25
Case Length (in)	49.000
Case Width (in)	6.772
Case Depth (in)	6.890
Case Cube (ft)	1.323
Case Weight (lbs)	9.865
SKU UPC	0046135405945
Pallet Qty	1,050

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 Frosted Nano Plastic 4ft 13W
	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.