

PRODUCT DATASHEET

LED SUB T8 12W 4' FG 850 DIM

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



Areas of application

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

Product features

- SubstiTUBE IPS LED T8 can be installed with existing instant start compatible ballasts for optimal energy savings
- DLC listing allows for rebates in areas where applicable, saving on overall project cost
- Optimized glass optics with shatter-resistant PET coating
- Greater than 145 system LPW
- CRI > 80
- Beam angle: 220°. Light emitting area: 340°
- Energy savings up to 44 %
- NSF-ANSI Standard 2 – Food Equipment
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- Maximize energy savings with occupancy sensors
- Can be used in enclosed (lens or diffuser) luminaire
- Not approved for use in vapor tight or sealed luminaire



TECHNICAL DATA

Additional product data

Base type	G12
Mercury content	0.0 mg
Ordering Abbreviation	LED12T8L48FGDIM850SUBG9
Abbrev. With Packaging Info.	LED12T8L48FGDIM850SUBG9 25/CS 1/SKU
SKU UPC	0046135412776
NAED	41277
Family Brand Name	SubstiTUBE®
General Description	4ft SubstiTUBE LED T8, frosted glass, 12W, Dimmable, 82 CRI, 2100 Lumen, 5000K, 70000 life
Warranty	5 years

Electrical data

Nominal Wattage	12.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	32 W

Photometrical data

Lumens	2100 lm
Efficacy	175
Color Temperature/CCT	5000 K
Color Rendering Index (CRI)	82
Light color	850

Dimensions & Weight

Overall length	1212.22 mm
Diameter	1 in
Product weight	0.44 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	SOFT GLASS

Application & Mounting

Dimming	Yes
---------	-----

Temperatures & operating conditions

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

Lifespan

Average Rated Life (hr)	70000
-------------------------	-------

Capabilities

Dimming	Yes
---------	-----

Certificates & Standards

Certification Listing	CSA / cULus / FCC / FTC / RoHS
-----------------------	--------------------------------

Logistical data

SKU Qty	1
Case Qty	25
Case Length (in)	49.252
Case Width (in)	7.717
Case Depth (in)	8.110
Case Cube (ft)	1.784
Case Weight (lbs)	12.233
SKU UPC	0046135412776
Pallet Qty	750

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).
- 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.
- Suitable for use in dry and damp locations.
- 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.
- Glass lamps are suitable for use with tube guards.

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Product Family Spec Sheet	SubstiTUBE® IPS LED T8
	Product Family Spec Sheet	SubstiTUBE® IPS LED T8 G9 Lamps
Photometric and lighting design files		Document name
	IES file (IES)	IES file 4ft SubstiTUBE LED T8 frosted glass 12W Dimmable

DISCLAIMER

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