

# PRODUCT DATASHEET

## LED SUB T8 9W 4' FG 835 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        | LED9T8L48FGDIM835SUBG9                                                                    |
| Abbrev. With Packaging Info. | LED9T8L48FGDIM835SUBG9 25/CS 1/SKU                                                        |
| SKU UPC                      | 0046135412714                                                                             |
| NAED                         | 41271                                                                                     |
| Family Brand Name            | SubstiTUBE®                                                                               |
| General Description          | 4ft SubstiTUBE LED T8, frosted glass, 9W, Dimmable, 82 CRI, 1600 Lumen, 3500K, 70000 life |
| Warranty                     | 5 years                                                                                   |

### Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Nominal Wattage             | 9.00 W            |
| Nominal voltage             | 120.00...277.00 V |
| Claimed Equivalent Lamp Pwr | 32 W              |

### Photometrical data

|                             |         |
|-----------------------------|---------|
| Lumens                      | 1600 lm |
| Efficacy                    | 178     |
| Color Temperature/CCT       | 3500 K  |
| Color Rendering Index (CRI) | 82      |
| Light color                 | 835     |

### Dimensions & Weight

|                |            |
|----------------|------------|
| Overall length | 1212.22 mm |
| Diameter       | 1 in       |
| Product weight | 0.66 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) | 17.744        |
| SKU UPC           | 0046135412714 |
| 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 9W Dimmable |

DISCLAIMER

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