

# PRODUCT DATASHEET

## LED BF T8 9W 2' FG 850

SYLVANIA LEDlescent™ LED T8 | LEDlescent T8 lamps operate ballast-free on 120–277V for simplified wiring



### Areas of application

- Cove lighting
- General illumination
- High Bay locations
- Parking garages
- Tunnels, underpasses

### Product features

- Optimized glass optics
- Static color temperature
- Installed directly on 120-277V; no ballast required
- Patented built-in safety circuit prevents current from flowing through the lamp when only one end is engaged in the socket thereby eliminating potential shock hazard
- No risk of electrical arcing between the lamp pins and the lamp holders
- For use with shunted and non-shunted sockets therefore no socket change is needed
- Double-ended lamp is wired end-to-end preventing non-passive failure of a fluorescent lamp should it be inadvertently installed in the fixture
- Maximize energy savings with occupancy sensors
- No warm-up time, instant-on with full light output and stable lamp-to-lamp color
- Lamps are compatible with LEDVANCE Emergency Battery Backup (75740)

## TECHNICAL DATA

### Additional product data

|                              |                                                                                                                     |
|------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Base type                    | G13                                                                                                                 |
| Mercury content              | 0.0 mg                                                                                                              |
| Ordering Abbreviation        | LED9T8L24FG850BFG2                                                                                                  |
| Abbrev. With Packaging Info. | LED9T8L24FG850BFG2 25/CS 1/SKU                                                                                      |
| SKU UPC                      | 0046135417351                                                                                                       |
| NAED                         | 41735                                                                                                               |
| Family Brand Name            | LEDlescent™                                                                                                         |
| General Description          | 2 ft, LEDlescent™ Ballast-free LED T8, frosted glass, 9W, 120-277V, 82CRI, 1100 Lumens, 5000K CCT, 50000 hours life |
| Warranty                     | 5 years                                                                                                             |

### Electrical data

|                             |                   |
|-----------------------------|-------------------|
| Nominal Wattage             | 9.00 W            |
| Nominal voltage             | 120.00...277.00 V |
| Claimed Equivalent Lamp Pwr | 17 W              |

### Photometrical data

|                             |         |
|-----------------------------|---------|
| Lumens                      | 1100 lm |
| Efficacy                    | 122     |
| Color Temperature/CCT       | 5000 K  |
| Color Rendering Index (CRI) | 82      |
| Light color                 | 850     |

### Dimensions & Weight

|                |           |
|----------------|-----------|
| Overall length | 602.59 mm |
| Diameter       | 0.94 in   |
| Product weight | 0.25 lb   |

### Materials & Colors

|                 |            |
|-----------------|------------|
| Lamp Finish     | Frosted    |
| Bulb shape      | T8         |
| Bulb Glass Type | SOFT GLASS |

### Application & Mounting

|         |    |
|---------|----|
| Dimming | No |
|---------|----|

### Temperatures & operating conditions

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

## Lifespan

|                         |       |
|-------------------------|-------|
| Average Rated Life (hr) | 50000 |
|-------------------------|-------|

## Capabilities

|         |    |
|---------|----|
| Dimming | No |
|---------|----|

## Certificates & Standards

|                       |                  |
|-----------------------|------------------|
| Certification Listing | CSA / FCC / RoHS |
|-----------------------|------------------|

## Logistical data

|                   |               |
|-------------------|---------------|
| SKU Qty           | 1             |
| Case Qty          | 25            |
| Case Length (in)  | 25.409        |
| Case Width (in)   | 7.784         |
| Case Depth (in)   | 8.318         |
| Case Cube (ft)    | 0.952         |
| Case Weight (lbs) | 8.028         |
| SKU UPC           | 0046135417351 |
| Pallet Qty        | 1,250         |

## Optional accessories

| Product image                                                                      | Product name           | UPC     |
|------------------------------------------------------------------------------------|------------------------|---------|
|  | EMBB 2A 21W UNV DIM DC | OS75740 |

## Safety advice

- Can be used in enclosed (lens or diffuser) luminaire.
- Not approved for use in vapor tight or sealed luminaire.
- All installation, inspection, and maintenance of lighting fixtures should be done with the power to the fixture turned off.
- 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.
- Do not install LED lamps and fluorescent lamps in the same fixture
- Ensure lamp holders/sockets are in good operating condition before installation.
- Best practice: cap off the remaining ballast wires should the ballast be left in the fixture after disconnecting.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- To comply with UL requirements when installing LEDlescent™ lamps, you must affix the luminaire warning sticker—provided inside the packaging—to the fixture during installation. This ensures the fixture retains its UL safety rating.
- Compatible with Philips Bodine ELI-S-20 Emergency Lighting Inverters and IOTA inverter models IIS-25-I, IIS-35-I, IIS-50-1, IIS125, IIS-375, IIS-550
- EM ballast that operates with fluorescent ballasts must be disconnected from the lamps.
- Make sure the lamps have the proper connections before restoring power.
- Operating temperature range between -4°F and 113°F (-20°C and 45°C).
- Suitable for dry and damp locations (cannot come in direct contact with water).

– These lamps tested and approved with LUTRON NTELV-300 dimmer.

DOWNLOAD DATA

| Spec Sheets and Product Documents                                                |                           | Document name                             |
|----------------------------------------------------------------------------------|---------------------------|-------------------------------------------|
|  | Installation Guide        | LEDlescent LED T8 UL Type B Lamps - Glass |
|  | Product Family Spec Sheet | LEDlescent T8 Ballast-Free Lamp           |
| Photometric and lighting design files                                            |                           | Document name                             |
|  | IES file (IES)            | SYLVANIA T8 TLED LEDlescent IES files     |

DISCLAIMER

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