

PRODUCT DATASHEET

LED BF T8 FP 8W 2' 850 DIM

SYLVANIA LEDlescent™ LED T8 Nano Plastic | Nano Plastic T8 lamps use lightweight, shatter-resistant nano polymer bodies



Areas of application

- Offices
- Grocery
- Warehouses
- Parking garages
- Cove lighting
- Retail

Product features

- Lamps operate on shunted and non-shunted lamp holders thereby reducing installation costs when wired in the double-ended configuration (recommended)
- Shatterproof frosted nano plastic lamps do not break in the manner of glass LED or fluorescent lamps
- No polarity; can be installed in either direction
- 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
- These lamps tested and approved with some 120V Phase Cut dimmers
- Static color temperature
- Designed to use either Single-End (SE) or Double-End (DE) wiring configurations
- DLC listing allows for rebates in areas where applicable, saving on overall project cost
- Available beam angle: 200°
- Light emitting angle: 320°

TECHNICAL DATA

Additional product data

Base type	G13
Mercury content	0.0 mg
Ordering Abbreviation	LED8T8L24FPDIM850BFG2
Abbrev. With Packaging Info.	LED8T8L24FPDIM850BFG2 25/CS 1/SKU
SKU UPC	0046135419683
NAED	41968
Family Brand Name	LEDlescent™
General Description	2 ft, LEDlescent™ Ballast-free LED T8, frosted NANO Plastic, 8W, 120- 277 Volts, 82 CRI, 1250 Lumens, 5000K CCT, 50,000 hours life, dimmable
Warranty	5 years

Electrical data

Nominal Wattage	8.00 W
Nominal voltage	120.00...277.00 V
Claimed Equivalent Lamp Pwr	17 W

Photometrical data

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

Dimensions & Weight

Overall length	602.79 mm
Diameter	1 in
Product weight	0.19 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	PLASTICS

Application & Mounting

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

Lifespan

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

Capabilities

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

Certificates & Standards

Certification Listing	FCC / RoHS
-----------------------	------------

Logistical data

SKU Qty	1
Case Qty	25
Case Length (in)	24.803
Case Width (in)	5.906
Case Depth (in)	6.890
Case Cube (ft)	0.584
Case Weight (lbs)	5.346
SKU UPC	0046135419683
Pallet Qty	2,100

Safety advice

- Can be used in enclosed (lens or diffuser) luminaire.
- Not approved for use in vapor tight or sealed luminaire.
- Please read and comply with all instructions before attempting installation.
- 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.
- IMPORTANT: For all new installations operating as UL Type B, follow the wiring instructions for double-ended wiring (recommended). Approved for Single-ended configuration for existing UL Type B applications previously wired as such. See installation manual for wiring options.
- Ensure lamp holders/sockets are in good operating condition before installation and if any defects are detected, change the lamp holders/sockets.
- 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.
- Not for use with other LED or fluorescent lamps in the same fixture.
- 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.
- Best practice: cap off the remaining ballast wires should the ballast be left in the fixture after disconnecting.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Make sure the lamps have the proper connections before restoring power.
- When converting a fixture to Type B and emergency back-up is desired, the installer would also have to change the existing emergency back-up to an inverter-type emergency driver.
- 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
- Suitable for dry and damp locations (cannot come in direct contact with water).

DOWNLOAD DATA

Spec Sheets and Product Documents		Document name
	Product Family Spec Sheet	LEDlescent and LEDlescent CURVALUME T8 Nano Plastic Ballast-Free Family
	Product Family Spec Sheet	LEDlescent and LEDlescent CURVALUME T8 Nano Plastic Ballast-Free Family

DISCLAIMER

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