

PRODUCT DATASHEET

LED BF T8 12W 4' 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	LED12T8/L48/FG/850/BFG2
Abbrev. With Packaging Info.	LED12T8L48FG850BFG2 25/CS 1/SKU
SKU UPC	0046135414534
NAED	41453
Family Brand Name	LEDlescent™
General Description	4ft, LEDlescent™ Ballast-Free Dimmable LED T8, frosted glass, 12W, 120- 277V, 82 CRI, 1800 Lumens, 5000 K, 50000 hrs 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	1800 lm
Efficacy	150
Color Temperature/CCT	5000 K
Color Rendering Index (CRI)	82
Light color	850

Dimensions & Weight

Overall length	1212.19 mm
Diameter	1.02 in
Product weight	0.44 lb

Materials & Colors

Lamp Finish	Frosted
Bulb shape	T8
Bulb Glass Type	SOFT GLASS

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	RoHS / CSA / FCC
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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	0046135414534
Pallet Qty	750

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.