



DENSBE LED

Longlife High Outout T8 LED Tube



Electrical

- Luminaire is built with the highest quality 120- 277VAC internal LED driver.
- ≥ 0.9 power factor
- Ballast bypass, single-ended or dual-ended wiring
- 50,000-hour rated (L70) LED lifetime
- instant-on, cold-start, and flicker-free light

Applications

- Workshop and warehouse lighting
- Basement and parking garages LED lighting
- Grocery stores and retailers
- Cleanroom
- Schools, classrooms and hallways
- Food production workshop
- Office lighting
- Hospitals and healthcare provider offices
- Fluorescent Retrofitting
- Walkways & Pathways

Features and Benefits

- Replacement for conventional fluorescent T8 and T12 linear tubes.
- Integral Driver enables lamp to be wired directly to line voltage without need for an external driver or ballast.
- Double or single ended wiring.
- Suitable for use in existing fixtures.
- Standard size of fluorescent versions
- Approximately 60% more energy efficient when compared to Fluorescent T8 lamps
- 50,000 hour Lifespan.
- Rated for use in enclosed and open fixtures in dry or damp locations.
- Diffused frosted lens will maintain the same light quality over time.
- Instant on to full brightness.
- Environmentally friendly, no mercury used.
- Internal thermal fuse for added safety.

Construction

- High-quality polycarbonate lens diffuser with aluminum backing. 100% Mercury Free and 100% Lead Free.
- T8-style tube with G13 bi-pin connection
- -4° – 113° F (-20° C to 45° C) operating temperature

Warranty

Three (3) Years Warranty

DENSBE MAKES IT!

Don't see what you need? Additional wattages and specifications available upon request - Contact your Densbe rep!





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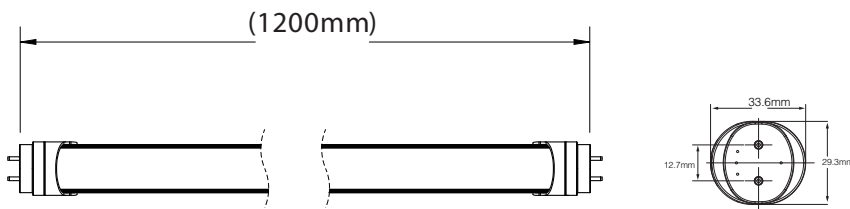
Electrical Specifications

Model No.	Length	Wattage	Input Voltage	Lumen Output	Luminous Efficacy	Cover	Lamp Lifespan
DBE-T8XE-1200MM-12W-Y	1200MM	12 W	100-277 V	2160 lm	180 lm/W	Frosted/Clear	50,000 Hrs
DBE-T8XE-1200MM-15W-Y	1200MM	15 W	100-277 V	2700 lm	180 lm/W	Frosted/Clear	50,000 Hrs
DBE-T8XE-1200MM-16W-Y	1200MM	16 W	100-277 V	2880 lm	180 lm/W	Frosted/Clear	50,000 Hrs
DBE-T8XE-1200MM-18W-Y	1200MM	18 W	100-277 V	3240 lm	180 lm/W	Frosted/Clear	50,000 Hrs
DBE-T8XE-1200MM-20W-Y	1200MM	20 W	100-277 V	3600 lm	180 lm/W	Frosted/Clear	50,000 Hrs

Note: X can be D or S, D for double ended wiring, S for single ended wiring. Y is CCT, can be 3000K, 3500K, 4000K, 5000K, 6500K

Beam Angle	CCT	CRI	Power Factor	IP Rating	Base	Operating Temp.
180°	3000K/3500K/4000K/5000K/6500K	83	0.9	IP20	G13	-20°C to 45° C

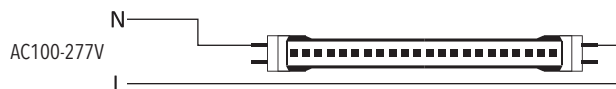
Dimensional Drawing



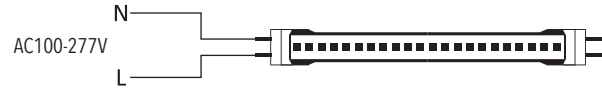
Wiring Diagram

***Note: Choose the correct wiring diagram based on the actual product you purchase.**

1. Double-ended power input



2. Single-ended power input



INSTALLATION GUIDE:

Instructions

- DISCONNECT POWER OF LUMINAIRE
- REMOVE EXISTING TUBE LAMP(S)
 - Remove troffer lens, if present.
 - Remove existing fluorescent by rotating one quarter turn and sliding lamp(s)
 - Remove ballast cover. (Cover may be secured with screws or tabs)
- RETROFIT LUMINAIRE

Modify the circuit according to the wiring diagram.
- Install the LED tube lamp.
 - Read label on the LED tube to ensure the power end of LED is aligned with powered tube socket, then insert LED lamp in the normal way by sliding pins into sockets and rotating a quarter turn until LED tube locks in place.
 - LED lamps are now fully installed.
 - Replace troffer lens, if present.
 - After modification completed. Attach the Replacement Marking and cautionary Label to a visible place on the luminaire and keep it visible after installation. Be sure to mark the type of wiring on the luminaire label (single or double-ended).
- RESTORE THE POWER OF LUMINAIRE

Restore power to circuit/luminaire and test light. If necessary, adjust position of LED tube, and enjoy your new LED tube light!