

Project:	
Type:	
Catalog #:	

STANDARD



The DEBP (dual-ended bypass, which is hot on both ends) Series of LED T8 lamps replace conventional fluorescent lamps in existing luminaires. Offering significant energy-efficiency and lifetime improvements over fluorescent lamps, DEBP Series lamps are installed by bypassing existing fluorescent ballasts, and hard-wiring tombstone lamp-holders directly to incoming AC power leads. Dual-ended bypass lamps eliminate the need to replace shunted tombstone lamp-holders in existing fluorescent luminaires with instant-start ballasts.

FEATURES

- Available in 3500k, (warm/neutral white).
- Long-life LEDs provide up to 90,000 hours of operation with at least 70% of initial lumen output (L_{70}).^{**}
- Models provide 1,100 to 1,700 lumens per lamp, and 121 to 125 lumens per watt (LPW).^{*}
- Uniform illumination with no visible LED pixilation.
- Universal 120-277 AC voltage (50-60Hz) is standard.
- Power factor > 0.90.
- Total harmonic distortion < 20%.
- Color rendering index ≥ 80 .
- Full glass housing inhibits yellowing and distortion.
- Easy installation in existing fluorescent luminaires. Bypass models connect directly to incoming AC power leads.

^{*} Contact factory for other color temperatures and lumen packages.

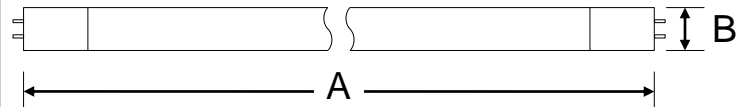
^{**} L_{70} hours are IES TM-21-11 calculated hours.



WARRANTY & LISTINGS

- cULus listed for dry and damp locations in ambient temperatures from -20°C to 45°C (-4°F to 113°F).
- DLC standard approved.
- Complies with RoHS (Restriction on Hazardous Substances) requirements.
- Complies with FCC Part 15, Class B.
- 5-year warranty of all electronics and housing.
- Other models are available as shatter-proof (NSF certified) by special order.

DIMENSIONS



	A (Length)	B (Diameter)
2 Foot	23 1/8"	1"
3 Foot	35 1/8"	1"
4 Foot	47 1/8"	1"

ORDERING INFORMATION

Example: DEBP2FT9W-35K

Model	Watts	Color Temperature	Lumens	Lumens / Watt	DLC Listed	Case Quantity	Options
DEBP2FT9W	9	35K = 3500k	1,100	122	Yes	25	BLEDEM-BP/DM-20 = Emergency battery backup
DEBP3FT12W	12	35K = 3500k	1,500	125	No	25	
DEBP4FT14W	14	35K = 3500k	1,700	121	Yes	25	

DEBP Series

LED T8 Lamp Replacement – Dual-Ended Bypass Existing Fluorescent Ballast



ELECTRICAL DATA

Model	Color Temperature	CRI ¹	Lamp Lumens	Lamp Watts	Lumens/Watt	Input Voltage ²	Input Current (A)			Power Factor	THD ³	L ₇₀ Hours ⁴
							120V	240V	277V			
DEBP2FT9W35K	3500k	> 80	1,100	9	122	120-277	0.08	0.04	0.03	> 90	< 20%	90,000
DEBP3FT12W35K	3500k	> 80	1,500	12	125	120-277	0.10	0.05	0.04	> 90	< 20%	90,000
DEBP4FT14W35K	3500k	> 80	1,700	14	121	120-277	0.12	0.06	0.05	> 90	< 20%	90,000

¹ Color rendering index.

² All 50-60Hz.

³ Total harmonic distortion.

⁴ L₇₀ refers to the number of hours at which lumen output declines to 70% of the initial level. L₇₀ hours are IES TM-21-11 calculated hours.

INSTALLATION

