

LED T8 U-BEND Lamp

Compatible for use with fluorescent T8 ballasts



U-Bend 6" E-Model Specification

Expanded Versatility using

Direct Replacement Technology

The LED T8 U-Bend direct replacement lamps, requiring NO Re-WIRING of the light fixture, provide excellent energy savings when replacing T8 fluorescent U-bend lamps.

Installation is easy...just remove existing fluorescent lamp and install the LED linear lamp.

LED lamp design is compatible T8 Electronic Instant Start and T8 Program Start Electronic ballasts.

The ELB LED product is the most compatible LED linear lamp on the market today. The LEDT8E liner lamp is also compatible with most existing fluorescent battery back-up ballasts.

If the existing ballast fails just replace the ballast or operate the LED lamp with the optional 120-277VAC LED remote driver.

Energy Savings over 40-50% when compared to existing fluorescent T8 electronic ballasted fixture applications.

For additional energy savings of 20 - 30% use with low ballast factor ballast or lighting control systems.

Installation is easy and saves money. Just change the existing lamps without the need to re-wire the light fixture. Install LED lamp using existing fluorescent ballast.

LED lamp models are available in 3000k, 3500k, 4000k, 5000K, 6000k and 6500k color temperatures. LED lamps to support linear 2', 3', 4', 5', 8', and TTL/BIAX lamp applications.

Benefits:

- Light distribution angle of 270 degrees
- Excellent for low temperature applications
- Use with occupancy sensors with frequent starting
- Dimmable (with compatible driver / ballast)
- No glass or mercury for safer work environments
- Vibration and impact resistant
- Less lumen depreciation compared to fluorescent systems
- Instant ON operation
- Suitable for dry and damp locations (avoid applications with direct water contact)
- Meets UL standard 1598c
- Long life product (>50,000 hours)
- Rotatable end caps for refrigeration and shelf applications (optional)
- 5 Year manufacturer's warranty

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Specifications:

Performance with various ballast types:

Model #	Type Diameter	T8 Instant Start Electronic ballast		T8 Program Start Electronic ballast	
		Lumens	Average System Watts	Lumens	Average System Watts
LEDT8E-17-850-FHC U6	LED T8	2100	17.50	2100	18.50
LEDT8E-17-840-FHC U6	LED T8	2000	17.50	2000	18.50
LEDT8E-17-835-FHC U6	LED T8	1950	17.50	1950	18.50
LEDT8E-17-830-FHC U6	LED T8	1900	17.50	1900	18.50
LEDT8E-17-850-FHF U6	LED T8	2050	17.50	2050	18.50
LEDT8E-17-840-FHF U6	LED T8	1950	17.50	1950	18.50
LEDT8E-17-835-FHF U6	LED T8	1850	17.50	1850	18.50
LEDT8E-17-830-FHF U6	LED T8	1800	17.50	1800	18.50

Note: All specification Information subject to change without notice

Lamps operate at 120,277 and 377VAC using the existing electronic instant start ballast, electric program rapid start ballast.

Lamp wattage and Lumens noted in chart are based on operation with high performance electronic ballast and standard magnetic ballast. See Warranty for terms and conditions. Photometric testing is consistent with IES-LM-79 and tested to L70 requirements.

LED T8 U-bend Performance with different ballast factor Instant Start (IS) ballasts	T8 IS Low Ballast Factor (0.78)		T8 IS Normal Ballast Factor (0.88)		T8 IS High Ballast Factor (1.18)	
	Lumens	Lamp Watts	Lumens	Lamp Watts	Lumens	Lamp Watts
LEDT8E-17-850-FHF U6	15550	14.50	2050	17.50	2200	22.00
LEDT8E-17-840-FHF U6	1500	14.50	1950	17.50	2100	22.00
LEDT8E-17-835-FHF U6	1400	14.50	1850	17.50	2000	22.00
LEDT8E-17-830-FHF U6	1400	14.50	1800	17.50	2000	22.00

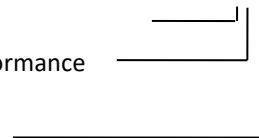
Part number designation:

F - Fixed end caps

S - Standard or H - High Performance

C - Clear or F – Frosted Lens

- xxx


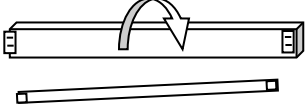

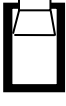


Note: Clear lens models are special order

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Installation Instructions: Quick and Simple - No re-wiring required			
Step 1: Turn Power - OFF 	Step 2: Remove Fluorescent lamp 	Step 3: Plug in Quick-Fit LED lamp 	Step 4: Turn Power - ON 

Application Notes:

- For use in T8 Electronic ballasted fixtures. Not for use in T12 fixtures applications.
- There are multiple types of ballast designs (also called topologies) used in fluorescent light fixtures. To assure proper LED lamp operation and confirm ballast compatibility try product in the fixture before ordering or installing large quantities.
- Suitable for damp locations. Avoid applications where lamp can get wet.
- Operating temperature range between -4°F and 122°F (-20°C and 50°C).
- To meet local and national building safety codes most commercial buildings use light fixtures installed battery backup fluorescent ballasts to provide temporary lighting in the event of a power loss. The most common style of battery back-up ballast (~ 80% market share) switches out one lamp from the existing ballast and powers the fluorescent lamp when in operation. The ELB Quick-Fit LED direct replacement lamp with multi-operation technology is compatible with these standard fluorescent battery back-up ballast products where most other direct replacement LED lamps are not compatible. Check local and state electrical codes for acceptance of use.

Ordering Information:

Model #	Type (Dia.)	Base	Leg Spacing (Inches)	Color Temp. (K)	CRI	Rated Average Life (hrs)	Beam angle	Input Voltage 120 -277 VAC
LEDT8E-17-850-Fxx U6	LED T8	G13-bipin	6	5000	83	50,000	270	ballast
LEDT8E-17-840-Fxx U6	LED T8	G13-bipin	6	4000	83	50,000	270	ballast
LEDT8E-17-835-Fxx U6	LED T8	G13-bipin	6	3500	83	50,000	270	ballast
LEDT8E-17-830-Fxx U6	LED T8	G13-bipin	6	3000	83	50,000	270	ballast

Part number designation:

- xxx

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