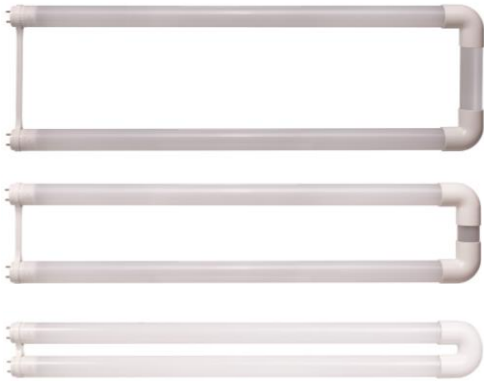


LED T8 U-BEND Lamp

Compatible for use with fluorescent T8 and T12 ballasts



Available in 6", 3" and 1-5/8" widths

Energy Savings over 40-50% when compared to existing fluorescent T8 and T12 electronic and magnetic 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 and 5000K, color temperatures. LED lamps to support linear 2', 3', 4', 5', 8', U-Bend and TTL/BIAX lamp applications.

1-5/8", 3" and 6" Specification

Expanded Versatility using

Quick-Fit™ Installation Technology

The LED T8 U-Bend direct replacement lamps, requiring NO Re-WIRING of the light fixture, provide excellent energy savings when replacing T8 and T12 fluorescent U-bend lamps.

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

Multi-Op™ (multi-Operation) LED lamp design works with most ballast types including T8 Electronic Instant Start, T8 Program Start Electronic and T12 Magnetic ballasts.

The Multi-Op™ LED product is the most versatile LED linear lamp on the market today. The LED Multi-Op™ 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.

Benefits:

- Light distribution angle of 270 degrees
- Excellent for low temperature applications
- High Performance DLC qualified models available
- 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

LED T8 U-BEND Lamp

1-5/8", 3" and 6" Specification

Compatible for use with fluorescent T8 and T12 ballasts

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
LEDT8-17-850-B-FHC Ux	LED T8	2100	17.50	2100	18.50
LEDT8-17-840-B-FHC Ux	LED T8	2000	17.50	2000	18.50
LEDT8-17-835-B-FHC Ux	LED T8	1950	17.50	1950	18.50
LEDT8-17-830-B-FHC Ux	LED T8	1900	17.50	1900	18.50
LEDT8-17-850-B-FHF Ux	LED T8	2050	17.50	2050	18.50
LEDT8-17-840-B-FHF Ux	LED T8	1950	17.50	1950	18.50
LEDT8-17-835-B-FHF Ux	LED T8	1850	17.50	1850	18.50
LEDT8-17-830-B-FHF Ux	LED T8	1800	17.50	1800	18.50

Note: x stands for size extension.

U-Bend Size Extension

U6	Extension for 6" U-bend width
U3	Extension for 3" U-bend width
U1 (1-5/8")	Extension for 1-5/8" U-bend width

Part number designation:

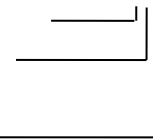
F - Fixed end caps

S - Standard or H - High Performance

C - Clear or F - Frosted Lens

Clear lens models are special order

- XXX



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.


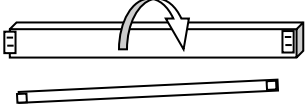

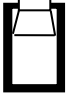
Lamp wattage and Lumens noted in chart are based on operation with high performance electronic ballast and standard magnetic ballast. See Warranty for terms and conditions. Photometric testing is consistent with IES-LM-79 and tested to L70 requirements.

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
LEDT8-17-850-B-FHF Ux	1550	14.50	2050	17.50	2200	22.00
LEDT8-17-840-B-FHF Ux	1500	14.50	1950	17.50	2100	22.00
LEDT8-17-835-B-FHF Ux	1400	14.50	1850	17.50	2000	22.00
LEDT8-17-830-B-FHF Ux	1400	14.50	1800	17.50	2000	22.00

LED T8 U-BEND Lamp

1-5/8", 3" and 6" Specification

Compatible for use with fluorescent T8 and T12 ballasts

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	Length (Inches)	Color Temp. (K)	CRI	Rated Average Life (hrs)	Beam angle	Input Voltage 120 -277 VAC
U-Bend Lamp								
LEDT8-17-850-B-FHx Ux	LED T8	G13-bipin	48	5000	83	50,000	270	ballast
LEDT8-17-840-B-FHx Ux	LED T8	G13-bipin	48	4000	83	50,000	270	ballast
LEDT8-17-835-B-FHx Ux	LED T8	G13-bipin	48	3500	83	50,000	270	ballast
LEDT8-17-830-B-FHx Ux	LED T8	G13-bipin	48	3000	83	50,000	270	ballast

*Note: When ordering U-Bend lamps selection of the U-Bend size extension is required.

U-Bend Size Extension

U6	Extension for 6" U-bend width
U3	Extension for 3" U-bend width
U1 (1-5/8")	Extension for 1-5/8" U-bend width

Part number designation:

F - Fixed end caps

S - Standard or H - High Performance

C - Clear or F – Frosted Lens

Clear lens models are special order

