

# Linear LED T8 Lamp

## Specification

Compatible for use with fluorescent T8 and T12 ballasts

### Linear HO



Recessed double  
contact end cap

### Linear Single pin



4' section assembly  
For finished 8' length

**US Patent # 9,651,225**

**INNOVATIVE** patented two piece 8' lamp design provides easy handling and transporting. Lamp snaps together in seconds.

**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 fluorescent ballast, dimming LED driver or lighting control system.

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

LED direct replacement models available  
For linear 2', 3' and 4', BIAx and CFL down light.

## 8' Single Pin and HO

Expanded Versatility using

## Quick-Fit™ Installation Technology

The LED T8 single pin and HO direct replacement lamps, requiring NO Re-WIRING of the light fixture, provide excellent energy savings when replacing T8 and T12 diameter fluorescent 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 fluorescent T8 Electronic and T12 Magnetic and Electronic 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.

### Benefits:

- Excellent for low temperature applications
- Use with occupancy sensors with frequent starting
- Instant ON operation - No flickering
- Two piece 8' LED lamp is easy to handle
- Approved for operation in damp locations
- Dimmable (with compatible LED driver)
- 8' model is easy to carry, store and ship
- No glass or mercury for safer work environments
- Less lumen depreciation compared to fluorescent systems
- Meets UL standard 1598c
- Long life product (>55,000 hours)
- 5 Year manufacturer's warranty



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## 8' Single Pin and HO

### Specification

Compatible for use with fluorescent T8 and T12 ballasts

### Specifications:

Performance with various ballast types:

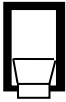
Model #	Type Diameter	T8 Electronic 2 lamp ballast			T12 Magnetic 2 lamp Ballast		
		Lamp Wattage	Lumens	Average System Watts	Lamp Wattage	Lumens	Average System Watts
<b>8' Single Pin LED lamp</b>							
LEDT8-96-36-850-FSF	LED T8	36.0	3117	87.00	53.00	3700	106.00
LEDT8-96-36-840-FSF	LED T8	36.0	3017	87.00	53.00	3600	106.00
LEDT8-96-36-835-FSF	LED T8	36.0	2960	87.00	53.00	3530	106.00
LEDT8-96-36-830-FSF	LED T8	36.0	2910	87.00	53.00	3450	106.00
LEDT8-44-850-B-FSF	LED T8	42.0	4160	91.00	62.00	4900	124.00
LEDT8-44-840-B-FSF	LED T8	42.0	3940	91.00	62.00	4800	124.00
LEDT8-44-835-B-FSF	LED T8	42.0	3880	91.00	62.00	4715	124.00
LEDT8-44-830-B-FSF	LED T8	42.0	3830	91.00	62.00	4650	124.00
<b>8' HO LED lamp</b>							
LED T8H-96-50-850-RSF	LED T8	44.0	5190	91.0	80.0	7150	161.0
LED T8H-96-50-840-RSF	LED T8	44.0	5105	91.0	80.0	7060	161.0
LED T8H-96-50-835-RSF	LED T8	44.0	4740	91.0	80.0	6805	161.0
LED T8H-96-50-830-RSF	LED T8	44.0	4626	91.0	80.0	6588	161.0

Note: All specification Information subject to change without notice

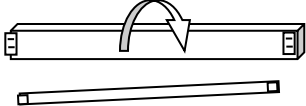
Lamps operate at 120,277 and 377VAC using the existing fluorescent ballast. Lamp wattage and Lumens noted in chart are based on operation with high performance electronic ballast and standard magnetic ballast. See Warranty for terms and conditions. Photometric testing is consistent with IES-LM-79 and tested to L70 requirements.

**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



# Linear LED T8 Lamp

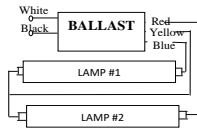
## 8' Single Pin and HO

### Specification

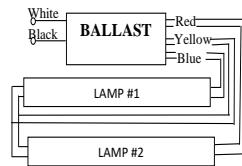
Compatible for use with fluorescent T8 and T12 ballasts

#### Wiring Options (Ballast):

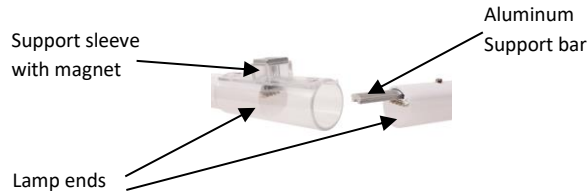
##### Instant Start T8 Ballast



##### Program Start Electronic T8 or Magnetic T12 Rapid Start Ballast



**Lamp Assembly:** The ELB patented 8' lamp was designed as two 4' sections that snap together for easy shipping and handling. The lamp can be assembled within a minute.



- 1- Remove the plastic shipping caps from the lamp ends and discard caps.
- 2- Insert aluminum support bar into the extruded channel on one of the lamps.
- 3- Insert the remaining lamp end onto the aluminum support bar and press lamp ends together.



- 4- Slide support sleeve over the center of the lamp until the buttons snap into the support sleeve. The magnet on the support sleeve provides center lamp support and will attach to the fixture.

#### Ordering Information:

Model #	Type (Dia.)	Base	Length (Inches)	Color Temp. (K)	CRI	Rated Average Life (hrs.)	Beam angle	Input Voltage 120 -277VAC
<b>8' Linear HO lamp</b>								
LED T8H-96-50-850-RSx	LED T8	Bi-Pin HO	96*	5000	83	50,000	270	External Ballast
LED T8H-96-50-840-RSx	LED T8	Bi-Pin HO	96*	4000	83	50,000	270	External Ballast
LED T8H-96-50-835-RSx	LED T8	Bi-Pin HO	96*	3500	83	50,000	270	External Ballast
LED T8H-96-50-830-RSx	LED T8	Bi-Pin HO	96*	3000	83	50,000	270	External Ballast
<b>8' Linear Single Pin Lamp</b>								
LEDT8-96-36-850-FSx	LED T8	Single pin	96*	5000	83	50,000	270	External Ballast
LEDT8-96-36-840-FSx	LED T8	Single pin	96*	4000	83	50,000	270	External Ballast
LEDT8-96-36-835-FSx	LED T8	Single pin	96*	3500	83	50,000	270	External Ballast
LEDT8-96-36-830-FSx	LED T8	Single pin	96*	3000	83	50,000	270	External Ballast
LEDT8-44-850-B-FSx	LED T8	Single pin	96*	5000	83	50,000	270	External Ballast
LEDT8-44-840-B-FSx	LED T8	Single pin	96*	4000	83	50,000	270	External Ballast
LEDT8-44-835-B-FSx	LED T8	Single pin	96*	3500	83	50,000	270	External Ballast
LEDT8-44-830-B-FSx	LED T8	Single pin	96*	3000	83	50,000	270	External Ballast

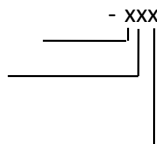
- Note: ELB 8' LED lamp is shipped in two 4' sections for easy handling.

#### Part number designation:

F - Fixed / R - Rotatable end caps

S - Standard Performance

C - Clear or F – Frosted Lens



\*Clear lens models are special order