

Linear LED T8 Lamp w/up-light

Compatible for use with fluorescent T8 and T12 ballasts



The Up light LED Linear Lamp is an excellent choice for lighting applications where a percentage of ceiling illumination is required. LED linear lamp provides 10% up light and is compatible with lighting fixtures with cutouts in the reflector to allow illumination to exit the fixture toward the ceiling. Available in 4' and 8' models the Up light LED lamp can be used in retail, commercial and industrial applications.

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 to 30% use with low ballast factor ballast or lighting control system.

Installation is easy and saves money. Just change the existing fluorescent lamps without the need to rewire



Pending completion



Up-Light 4' Specification

Expanded Versatility using

Quick-Fit™ Installation Technology

An LED T8 direct replacement lamp, requiring NO Re-WIRING of the light fixture, providing excellent energy savings when replacing T8 (32W) and T12 (34 and 40W) 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 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™ linear 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:

- Eliminates 'Cave' effect by projecting 10% light onto the ceiling in addition to lighting the floor area
- 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 lighting applications (optional)
- 5 Year manufacturer's warranty

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Up-Light 4' Specification

Specification performance with various ballast types:

Model #	Type	Installation T8 Instant Start Electronic ballast		Installation T8 Program Start Electronic ballast	
		Lumens	Average System Watts	Lumens	Average System Watts
LEDT8-17-850-U-xxx	LED T8 4'	1607 Down /178 Up	16.8	1607 Down /178 Up	17.0
LEDT8-17-840-U-xxx	LED T8 4'	1530 Down /170 Up	16.8	1530 Down /170 Up	17.0
LEDT8-17-835-U-xxx	LED T8 4'	1515 Down /168 Up	16.8	1515 Down /168 Up	17.0
LEDT8-17-830-U-xxx	LED T8 4'	1494 Down /166 Up	16.8	1494 Down /166 Up	17.0
LEDT8-44-850-U-xxx	LED T8 8'	3450 Down /330 UP	40.2	3450 Down /330 UP	40.2
LEDT8-44-840-U-xxx	LED T8 8'	3450 Down /330 UP	40.2	3450 Down /330 UP	40.2
LEDT8-44-835-U-xxx	LED T8 8'	3200 Down /300 UP	40.2	3200 Down /300 UP	40.2
LEDT8-44-830-U-xxx	LED T8 8'	3200 Down /300 UP	40.2	3200 Down /300 UP	40.2

LED T8 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 (Down)	Lamp Watts	Lumens (Down)	Lamp Watts	Lumens (Down)	Lamp Watts
LEDT8-17-850-U-xSF	1525	13.8	1785	16.8	2750	26.5
LEDT8-17-840-U-xSF	1480	13.8	1700	16.8	2670	26.5
LEDT8-17-835-U-xSF	1440	13.8	1683	16.8	2610	26.5
LEDT8-17-830-U-xSF	1380	13.8	1660	16.8	2480	26.5


Note: All specification information subject to change without notice. Results may vary based on ballast manufacture.

Part number designation:

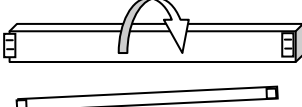
- F - Fixed or R - Rotatable locking end caps
- S - Standard or H - High Performance
- High Performance = DLC qualified models
- C - Clear or F - Frosted Lens

Installation Instructions: Quick and Simple - No re-wiring required

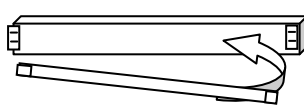
Step 1: Turn Power - OFF



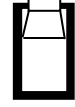
Step 2: Remove Fluorescent lamp



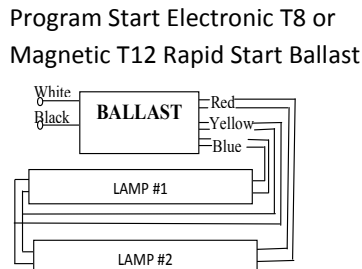
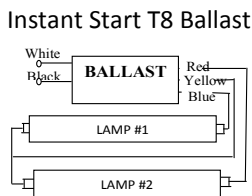
Step 3: Plug in Quick-Fit LED lamp



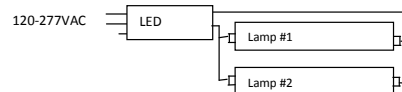
Step 4: Turn Power - ON



Existing Ballast Wiring Options:



OPTIONAL: Remote AC LED Driver (Standard or Dimming model)



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Up-Light 4' Specification

Application Note:

- 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 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 with 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
LEDT8-17-850-U-FSF	LED T8	G13/fixed	48	5000	83	50,000	160	*IS/PS/Mag
LEDT8-17-840-U-FSF	LED T8	G13/fixed	48	4000	83	50,000	160	*IS/PS/Mag
LEDT8-17-835-U-FSF	LED T8	G13/fixed	48	3500	83	50,000	160	*IS/PS/Mag
LEDT8-17-830-U-FSF	LED T8	G13/fixed	48	3000	83	50,000	160	*IS/PS/Mag
LEDT8-22-850-U-FSF	LED T8	G13/fixed	48	5000	83	50,000	160	*IS/PS/Mag
LEDT8-22-840-U-FSF	LED T8	G13/fixed	48	4000	83	50,000	160	*IS/PS/Mag
LEDT8-22-835-U-FSF	LED T8	G13/fixed	48	3500	83	50,000	160	*IS/PS/Mag
LEDT8-22-830-U-FSF	LED T8	G13/fixed	48	3000	83	50,000	160	*IS/PS/Mag
LEDT8-44-850-U-FSF	LED T8	slimline	96	5000	83	50,000	160	*IS/PS/Mag
LEDT8-44-840-U-FSF	LED T8	slimline	96	4000	83	50,000	160	*IS/PS/Mag
LEDT8-44-835-U-FSF	LED T8	slimline	96	3500	83	50,000	160	*IS/PS/Mag
LEDT8-44-830-U-FSF	LED T8	slimline	96	3000	83	50,000	160	*IS/PS/Mag

Note: Lamps operate at 120,277 and 377VAC using the existing T8 electronic instant start ballast, T8 electric program rapid start ballast and T12 magnetic ballast. Lamp wattage and Lumens noted in chart are based on operation with standard T8 Instant Start ballast.

Photometric testing is consistent with IES-LM-79 and tested to L70 requirements.

See Warranty for terms and conditions. Information is subject to change without notice.

Part number designation:

- xxx

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S - Standard or H - High Performance

High Performance = DLC Qualified models

C - Clear or F - Frosted Lens