

# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps



various lamp lengths available

LED T8 models available in Glass and Plastic enclosures

Applications Include:

- General lighting (office, education, medical facilities)
- Warehouse and distribution (high bay fixtures)
- Cooler and refrigeration
- Display case and shelf lighting
- Parking garage

**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 the light fixture.

Install LED lamp using existing fluorescent ballast.

LED lamp models are available in 3000k, 3500k, 4000k, 5000K color temperatures. Other color temperatures available as special order. LED lamps available to support 2', 3', 4', 5', 8', U-Bend and TTL/BIAX lamp applications.



## LED T8 and T12 lamps

### AC / Ballast LED lamps

LED AC wired or ballast operated direct replacement lamp models provide ultimate flexibility when replacing fluorescent lamps. Install using the existing ballast. If the ballast fails or if the ballast is not compatible simply wire the LED lamp to AC power.

### Direct Replacement LED lamps

LED direct replacement lamp models require NO Re-WIRING of the fluorescent light fixture and provides excellent energy savings when replacing T8 or T12 fluorescent lamps.

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

ELB offers a wide selection of LED lamps to replace fluorescent lamps.

**Multi-ABC:** Specially designed for 100% compatibility with T8 ballasts. ELB's special design eliminates all ballast power issue often experienced with other designs. Excellent choice for Resellers and Distributors when selling into projects with unknown ballast types.

**Multi-OP:** Designed for operation on both T8 and T12 ballast types. Good choice for Contractors and ESCO's when the ballast type is known and different lamp types are on a project.

**Contractor Series:** LED direct replacement lamp models tuned specifically for replacement of T8 or T12 fluorescent lamps. Good choice for Contractors and ESCO's when the ballast type is known.

ELB LED linear lamps are also compatible with existing fluorescent battery back-up ballasts.

### 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)
- Less Vibration and impact resistant
- Instant ON operation
- Suitable for damp locations
- Meets UL standard 1598c and UL standard 1993
- Long life product (>70,000 hours)
- Rotatable end caps for refrigeration and shelf lighting applications (optional on some models). Refer to application notes at end of document.
- 5 Year manufacturer's warranty

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## Performance Specifications

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2', 3', 4', 5' lamps

**LED AC/Ballast (A+B) lamp: Operates on 120-277VAC power or existing ballast**

| Performance<br>Model #    | Lamp length<br>and size | Lamp<br>Lumens | Line Input<br>Wattage | Line Input<br>current | Line Input<br>Voltage | PF    | EF (lm/W) |
|---------------------------|-------------------------|----------------|-----------------------|-----------------------|-----------------------|-------|-----------|
| LED T8AB-48-17-830-MV-FHF | LED 4' T8               | 1950           | 16.49                 | 0.146                 | 120/277               | 0.994 | 112.78    |
| LED T8AB-48-17-835-MV-FHF | LED 4' T8               | 2000           | 16.61                 | 0.147                 | 120/277               | 0.994 | 116.21    |
| LED T8AB-48-17-840-MV-FHF | LED 4' T8               | 2050           | 16.49                 | 0.146                 | 120/277               | 0.994 | 118.56    |
| LED T8AB-48-17-850-MV-FHF | LED 4' T8               | 2100           | 16.73                 | 0.148                 | 120/277               | 0.994 | 119.79    |
| LED T8AB-48-14-830-MV-FHF | LED 4' T8               | 1720           | 14.61                 | 0.122                 | 120/277               | 0.994 | 117.68    |
| LED T8AB-48-14-835-MV-FHF | LED 4' T8               | 1760           | 14.73                 | 0.123                 | 120/277               | 0.994 | 119.44    |
| LED T8AB-48-14-840-MV-FHF | LED 4' T8               | 1800           | 14.49                 | 0.121                 | 120/277               | 0.994 | 124.17    |
| LED T8AB-48-14-850-MV-FHF | LED 4' T8               | 1850           | 14.61                 | 0.122                 | 120/277               | 0.994 | 126.58    |
| LED T8AB-36-12-830-MV-FHF | LED 3' T8               | 1390           | 12.69                 | 0.106                 | 120/277               | 0.994 | 109.46    |
| LED T8AB-36-12-835-MV-FHF | LED 3' T8               | 1420           | 12.81                 | 0.107                 | 120/277               | 0.994 | 110.78    |
| LED T8AB-36-12-840-MV-FHF | LED 3' T8               | 1450           | 12.81                 | 0.107                 | 120/277               | 0.994 | 113.12    |
| LED T8AB-36-12-850-MV-FHF | LED 3' T8               | 1480           | 12.93                 | 0.108                 | 120/277               | 0.994 | 114.39    |
| LED T8AB-24-8-830-MV-FHF  | LED 2' T8               | 950            | 8.54                  | 0.073                 | 120/277               | 0.994 | 111.17    |
| LED T8AB-24-8-835-MV-FHF  | LED 2' T8               | 965            | 8.66                  | 0.074                 | 120/277               | 0.994 | 111.37    |
| LED T8AB-24-8-840-MV-FHF  | LED 2' T8               | 975            | 8.66                  | 0.074                 | 120/277               | 0.994 | 112.52    |
| LED T8AB-24-8-850-MV-FHF  | LED 2' T8               | 1050           | 8.86                  | 0.074                 | 120/277               | 0.994 | 118.44    |
| Ballast Operated          | Lamp length<br>and size | Lamp<br>Lumens | Input<br>Wattage      |                       | Input                 |       | EF (lm/W) |
| LED T8AB-48-17-830-MV-FHF | LED 4' T8               | 1850           | 16.73                 | -                     | T8 Ballast            | -     | 110.57    |
| LED T8AB-48-17-835-MV-FHF | LED 4' T8               | 1900           | 16.85                 | -                     | T8 Ballast            | -     | 112.75    |
| LED T8AB-48-17-840-MV-FHF | LED 4' T8               | 1950           | 16.95                 | -                     | T8 Ballast            | -     | 115.04    |
| LED T8AB-48-17-850-MV-FHF | LED 4' T8               | 2000           | 17.00                 | -                     | T8 Ballast            | -     | 117.16    |
| LED T8AB-48-14-830-MV-FHF | LED 4' T8               | 1700           | 14.13                 | -                     | T8 Ballast            | -     | 120.26    |
| LED T8AB-48-14-835-MV-FHF | LED 4' T8               | 1740           | 14.25                 | -                     | T8 Ballast            | -     | 122.05    |
| LED T8AB-48-14-840-MV-FHF | LED 4' T8               | 1780           | 14.13                 | -                     | T8 Ballast            | -     | 125.92    |
| LED T8AB-48-14-850-MV-FHF | LED 4' T8               | 1830           | 14.25                 | -                     | T8 Ballast            | -     | 128.37    |
| LED T8AB-36-12-830-MV-FHF | LED 3' T8               | 1330           | 12.21                 | -                     | T8 Ballast            | -     | 108.84    |
| LED T8AB-36-12-835-MV-FHF | LED 3' T8               | 1390           | 12.33                 | -                     | T8 Ballast            | -     | 112.65    |
| LED T8AB-36-12-840-MV-FHF | LED 3' T8               | 1420           | 12.45                 | -                     | T8 Ballast            | -     | 113.97    |
| LED T8AB-36-12-850-MV-FHF | LED 3' T8               | 1450           | 12.50                 | -                     | T8 Ballast            | -     | 115.27    |
| LED T8AB-24-8-830-MV-FHF  | LED 2' T8               | 930            | 8.30                  | -                     | T8 Ballast            | -     | 111.97    |
| LED T8AB-24-8-835-MV-FHF  | LED 2' T8               | 950            | 8.42                  | -                     | T8 Ballast            | -     | 112.75    |
| LED T8AB-24-8-840-MV-FHF  | LED 2' T8               | 970            | 8.52                  | -                     | T8 Ballast            | -     | 113.77    |
| LED T8AB-24-8-850-MV-FHF  | LED 2' T8               | 1010           | 8.66                  | -                     | T8 Ballast            | -     | 116.56    |

### Part number designation:

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

\*Clear lens models are special order

### Additional Lamp Specifications:

Color Temp (K) – Available in 3000k, 3500k, 4000k and 5000k.

Average Life – 55,000 Hours

Beam Angle – 270 Degree

CRI – 83

# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps

**LED Multi-ABC lamp: Premium All Ballast Compatible (ABC) design  
achieves >98% T8 fluorescent ballast compatibility**

| Performance with<br>different ballast types       | Lamp length<br>and size | Lamp<br>Wattage | Lamp<br>Lumen<br>Efficacy | Installation<br>T8 IS Electronic ballast |                            | Installation<br>T8 Program Start<br>Electronic ballast |                            |
|---|-------------------------|-----------------|---------------------------|--|----------------------------|--|----------------------------|
|   |                         |                 |                           | Lumens                                   | Average<br>System<br>Watts | Lumens   | Average<br>System<br>Watts |
| Model #   |                         |                 |                           |  |                            |  |                            |
| LEDT8/12-48-850-xHF*<br>Old # LEDT8-48-14-850-RHF | LED 4' T8               | 13.10           | 123.22                    | 1745                                     | 14.0                       | 1750   | 15.1                       |
| LEDT8/12-48-840-xHF*<br>Old # LEDT8-48-14-840-RHF | LED 4' T8               | 13.10           | 118.18                    | 1687                                     | 14.0                       | 1690   | 15.1                       |
| LEDT8/12-48-835-xHF*<br>Old # LEDT8-48-14-835-RHF | LED 4' T8               | 13.00           | 119.28                    | 1676                                     | 14.0                       | 1682   | 15.1                       |
| LEDT8/12-48-830-xHF*<br>Old # LEDT8-48-14-830-RHF | LED 4' T8               | 13.00           | 118.50                    | 1676                                     | 14.0                       | 1684   | 15.1                       |

\* High Performance LED T8 DLC 4.2 qualified models for T8 lamp replacement only

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\*Clear lens models are special order

### Additional Lamp Specifications:

Color Temp (K) – Available in 3000k, 3500k, 4000k  
 and 5000k.  
 Average Life – 55,000 Hours  
 Beam Angle – 270 Degree  
 CRI – 83

# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps

### LED Multi-Op lamp: Multi operation supports T8 and T12 ballast

| Performance with different ballast types<br><br>Model # | Type      | Bare Lamp Wattage | Installation T8 IS Electronic ballast |                      | Installation T8 Program Start Electronic ballast |                      | Installation T12 Magnetic ballast |                      |
|---|-----------|-------------------|---------------------------------------|----------------------|--|----------------------|-----------------------------------|----------------------|
|   |           |                   | Lumens                                | Average System Watts | Lumens   | Average System Watts | Lumens                            | Average System Watts |
| LEDT8-24-850-FHF<br>Old # LEDT8-8-850-B-FHF             | LED 2' T8 | 8.4               | 945                                   | 9.30                 | 945  | 9.60                 | 1180                              | 14.00                |
| LEDT8-24-840-FHF<br>Old # LEDT8-8-840-B-FHF             | LED 2' T8 | 8.4               | 920                                   | 9.30                 | 920  | 9.60                 | 1160                              | 14.00                |
| LEDT8-24-835-FHF<br>Old # LEDT8-8-835-B-FHF             | LED 2' T8 | 8.4               | 900                                   | 9.30                 | 900  | 9.60                 | 1140                              | 14.00                |
| LEDT8-24-830-FHF<br>Old # LEDT8-8-830-B-FHF             | LED 2' T8 | 8.4               | 890                                   | 9.30                 | 890  | 9.60                 | 1140                              | 14.00                |
| LEDT8-12-850-B-RSF                                      | LED 3' T8 | 11.0              | 1250                                  | 13.00                | 1250   | 13.00                | 2400                              | 34.00                |
| LEDT8-12-840-B-RSF                                      | LED 3' T8 | 11.0              | 1225                                  | 13.00                | 1225   | 13.00                | 2500                              | 34.00                |
| LEDT8-12-835-B-RSF                                      | LED 3' T8 | 11.0              | 1150                                  | 13.00                | 1150   | 13.00                | 2500                              | 34.00                |
| LEDT8-12-830-B-RSF                                      | LED 3' T8 | 11.0              | 1130                                  | 13.00                | 1150   | 13.00                | 2700                              | 34.00                |
| LEDT8-48-850-xHF [x=F,R] *                              | LED 4' T8 | 12.6              | 1795                                  | 13.5                 | 1795   | 13.8                 | -                                 | -                    |
| LEDT8-48-840-xHF [x=F,R] *                              | LED 4' T8 | 12.7              | 1709                                  | 13.6                 | 1709   | 13.9                 | -                                 | -                    |
| LEDT8-48-835-xHF [x=F,R] *                              | LED 4' T8 | 12.7              | 1700                                  | 13.6                 | 1700   | 13.9                 | -                                 | -                    |
| LEDT8-48-830-xHF [x=F,R] *                              | LED 4' T8 | 12.6              | 1691                                  | 13.5                 | 1691   | 13.8                 | -                                 | -                    |
| LEDT8-48-850-H-xHF *<br>Old # LEDT8-17-850-B-FHF        | LED 4' T8 | 14.6              | 2047                                  | 15.9                 | 2047   | 16.9                 | -                                 | -                    |
| LEDT8-48-840-H-xHF *<br>Old # LEDT8-17-840-B-FHF        | LED 4' T8 | 14.4              | 2015                                  | 15.8                 | 2015   | 16.90                | -                                 | -                    |
| LEDT8-48-835-H-xHF *<br>Old # LEDT8-17-835-B-FHF        | LED 4' T8 | 14.6              | 1930                                  | 15.9                 | 1930   | 16.90                | -                                 | -                    |
| LEDT8-48-830-H-xHF *<br>Old # LEDT8-17-830-B-FHF        | LED 4' T8 | 14.4              | 1883                                  | 15.8                 | 1883   | 16.90                | -                                 | -                    |
| LEDT8-22-850-B-RSF                                      | LED 4' T8 | 20.0              | 2200                                  | 22.0                 | 2200   | 22.0                 | 2600                              | 34.0                 |
| LEDT8-22-840-B-RSF                                      | LED 4' T8 | 20.0              | 2150                                  | 22.0                 | 2150   | 22.0                 | 2500                              | 34.0                 |
| LEDT8-22-835-B-RSF                                      | LED 4' T8 | 20.0              | 2000                                  | 22.0                 | 2000   | 22.0                 | 2400                              | 34.0                 |
| LEDT8-22-830-B-RSF                                      | LED 4' T8 | 20.0              | 2000                                  | 22.0                 | 2000   | 22.0                 | 2400                              | 34.0                 |

\* High Performance LED T8 DLC 3.0 qualified models for T8 lamp replacement only

#### Part number designation:

- xxx

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

\*Clear lens models are special order

#### Additional Lamp Specifications:

Color Temp (K) – Available in 3000k, 3500k, 4000k and 5000k.

Average Life – 55,000 Hours

Beam Angle – 270 Degree

CRI – 83

# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps

### Contractor Series - LED T8 Only lamp:

| Performance with different ballast types                                    | Lamp length and size | Lamp Wattage | Installation T8 IS Electronic ballast |                      | Installation T8 Program Start Electronic ballast |                      | Installation T12 ballast |                      |
|---|----------------------|--------------|---------------------------------------|----------------------|--|----------------------|--------------------------|----------------------|
|   |                      |              | Lumens                                | Average System Watts | Lumens   | Average System Watts | Lumens                   | Average System Watts |
| <b>Model #</b>  |                      |              |                                       |                      |  |                      |                          |                      |
| <b>Direct Replacement for T8 only fluorescent lamps - Plastic Enclosure</b> |                      |              |                                       |                      |  |                      |                          |                      |
| LEDT8E-24-8-850-RSF   | LED 2' T8            | 7.5          | 1090                                  | 9.3                  | 1090   | 10.5                 | -                        | -                    |
| LEDT8E-24-8-840-RSF   | LED 2' T8            | 7.5          | 1080                                  | 9.3                  | 1080   | 10.5                 | -                        | -                    |
| LEDT8E-24-8-835-RSF   | LED 2' T8            | 7.5          | 1060                                  | 9.3                  | 1060   | 10.5                 | -                        | -                    |
| LEDT8E-24-8-830-RSF   | LED 2' T8            | 7.5          | 1010                                  | 9.3                  | 1010   | 10.5                 | -                        | -                    |
| LEDT8E-36-12-850-RSF  | LED 3' T8            | 9.5          | 1260                                  | 11.5                 | 1260   | 12.5                 | -                        | -                    |
| LEDT8E-36-12-840-RSF  | LED 3' T8            | 9.5          | 1215                                  | 11.5                 | 1215   | 12.5                 | -                        | -                    |
| LEDT8E-36-12-835-RSF  | LED 3' T8            | 9.5          | 1200                                  | 11.5                 | 1200   | 12.5                 | -                        | -                    |
| LEDT8E-36-12-830-RSF  | LED 3' T8            | 9.5          | 1130                                  | 11.5                 | 1130   | 12.5                 | -                        | -                    |
| LEDT8E-48-14-850-xHF**  | LED 4' T8            | 13.2         | 1770                                  | 14.8                 | 1770   | 16.0                 | -                        | -                    |
| LEDT8E-48-14-840-xHF**  | LED 4' T8            | 13.2         | 1755                                  | 14.8                 | 1755   | 16.0                 | -                        | -                    |
| LEDT8E-48-14-835-xHF**  | LED 4' T8            | 13.2         | 1740                                  | 14.8                 | 1740   | 16.0                 | -                        | -                    |
| LEDT8E-48-14-830-xHF**  | LED 4' T8            | 13.2         | 1730                                  | 14.8                 | 1730   | 16.0                 | -                        | -                    |
| LEDT8E-48-850-H-xHF<br>Old # LEDT8E-17-850-FHF**                            | LED 4' T8            | 15.2         | 2050                                  | 16.8                 | 2050   | 17.5                 | -                        | -                    |
| LEDT8E-48-840-H-xHF<br>Old # LEDT8E-17-840-FHF**                            | LED 4' T8            | 15.2         | 2000                                  | 16.8                 | 2000   | 17.5                 | -                        | -                    |
| LEDT8E-48-835-H-xHF<br>Old # LEDT8E-17-835-FHF**                            | LED 4' T8            | 15.2         | 1950                                  | 16.8                 | 1950   | 17.5                 | -                        | -                    |
| LEDT8E-48-830-H-xHF<br>Old # LEDT8E-17-830-FHF**                            | LED 4' T8            | 15.2         | 1900                                  | 16.8                 | 1900   | 17.5                 | -                        | -                    |
| LEDT8E-22-850-FHF*  | LED 4' T8            | 20.7         | 2350                                  | 22.0                 | 2350   | 23.5                 | -                        | -                    |
| LEDT8E-22-840-FHF*  | LED 4' T8            | 20.7         | 2300                                  | 22.0                 | 2300   | 23.5                 | -                        | -                    |
| LEDT8E-22-835-FHF*  | LED 4' T8            | 20.7         | 2250                                  | 22.0                 | 2250   | 23.5                 | -                        | -                    |
| LEDT8E-22-830-FHF*  | LED 4' T8            | 20.7         | 2200                                  | 22.0                 | 2200   | 23.5                 | -                        | -                    |

\* High Performance LED T8 DLC 3.0 qualified models: \*\* LED T8 DLC 4.0 qualified models:

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F - Fixed or R - Rotatable locking end caps ———— - xxx  
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 C – Clear\* or F – Frosted Lens ————

\*Clear lens models are special order

#### Additional Lamp Specifications:

Color Temp (K) – Available in 3000k, 3500k, 4000k and 5000k.

Average Life – 55,000 Hours

Beam Angle – 270 Degree

CRI – 83

# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps

### Contractor Series - LED T8 Only lamp (continued):

|   |           |      |      |      |      |      |   |   |
|---|-----------|------|------|------|------|------|---|---|
| LEDT8E-60-27-850-RHF  | LED 5' T8 | 25.7 | 2950 | 27.0 | 2950 | 28.5 | - | - |
| LEDT8E-60-27-840-RHF  | LED 5' T8 | 25.7 | 2900 | 27.0 | 2900 | 28.5 | - | - |
| LEDT8E-60-27-835-RHF  | LED 5' T8 | 25.7 | 2850 | 27.0 | 2850 | 28.5 | - | - |
| LEDT8E-60-27-830-RHF  | LED 5' T8 | 25.7 | 2800 | 27.0 | 2800 | 28.5 | - | - |
| <b>Direct Replacement for T8 only fluorescent lamps - Glass Enclosure</b> |           |      |      |      |      |      |   |   |
| LEDT8E-48-850-G-FHF**   | LED 4' T8 | 12.8 | 1779 | 14.4 | 1750 | 15.4 | - | - |
| LEDT8E-48-840-G-FHF**   | LED 4' T8 | 12.8 | 1720 | 14.4 | 1720 | 15.4 | - | - |
| LEDT8E-48-835-G-FHF**   | LED 4' T8 | 12.8 | 1690 | 14.3 | 1690 | 15.4 | - | - |
| LEDT8E-48-830-G-FHF   | LED 4' T8 | 12.8 | 1650 | 14.3 | 1650 | 15.4 | - | - |
| LEDT8E-48-850-GH-FHF**  | LED 4' T8 | 14.8 | 2043 | 16.0 | 1900 | 17.0 | - | - |
| LEDT8E-48-840-GH-FHF**  | LED 4' T8 | 14.8 | 1990 | 16.0 | 1850 | 17.0 | - | - |
| LEDT8E-48-835-GH-FHF**  | LED 4' T8 | 14.8 | 1955 | 16.0 | 1800 | 17.0 | - | - |
| LEDT8E-48-830-GH-FHF**  | LED 4' T8 | 14.8 | 1910 | 16.0 | 1750 | 17.0 | - | - |

### Contractor Series - LED T12 Only lamp:

| LED Direct Replacement for T12 only Fluorescent lamps – Plastic Enclosure |                      |              |                                       |                      |  |                      |                          |                      |
|---|----------------------|--------------|---------------------------------------|----------------------|--|----------------------|--------------------------|----------------------|
| Performance with different ballast types                                  | Lamp length and size | Lamp Wattage | Installation T8 IS Electronic ballast |                      | Installation T8 Program Start Electronic ballast |                      | Installation T12 ballast |                      |
|   |                      |              | Lumens                                | Average System Watts | Lumens   | Average System Watts | Lumens                   | Average System Watts |
| Model #   |                      |              |                                       |                      |  |                      |                          |                      |
| LEDT12-48-20-850-RSF  | LED 4' T8            | 15.2         | -                                     | -                    | -  | -                    | 1770                     | 17.4 - 20.2          |
| LEDT12-48-20-840-RSF  | LED 4' T8            | 15.2         | -                                     | -                    | -  | -                    | 1700                     | 17.4 - 20.2          |
| LEDT12-48-20-835-RSF  | LED 4' T8            | 15.2         | -                                     | -                    | -  | -                    | 1683                     | 17.4 - 20.2          |
| LEDT12-48-20-830-RSF  | LED 4' T8            | 15.2         | -                                     | -                    | -  | -                    | 1660                     | 17.4 - 20.2          |

### LED T8 Up/Down T8 only lamp: Provides both Up and Downward illumination

| 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-RSF | LED T8 4' | 1607 Down /178 Up                                | 16.8                 | 1607 Down /178 Up                                | 17.0                 |
| LEDT8-17-840-U-RSF | LED T8 4' | 1530 Down /170 Up                                | 16.8                 | 1530 Down /170 Up                                | 17.0                 |
| LEDT8-17-835-U-RSF | LED T8 4' | 1515 Down /168 Up                                | 16.8                 | 1515 Down /168 Up                                | 17.0                 |
| LEDT8-17-830-U-RSF | LED T8 4' | 1494 Down /166 Up                                | 16.8                 | 1494 Down /166 Up                                | 17.0                 |

\* High Performance LED T8 DLC 3.0 qualified models: \*\* LED T8 DLC 4.0 qualified models

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 S - Standard or H - High Performance \_\_\_\_\_  
 High Performance = DLC qualified models  
 C – Clear\* or F – Frosted Lens \_\_\_\_\_

\*Clear lens models are special order

#### Additional Lamp Specifications:

Color Temp (K) – Available in 3000k, 3500k, 4000k and 5000k.

Average Life – 55,000 Hours

Beam Angle – 270 Degree

CRI – 83

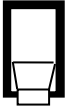
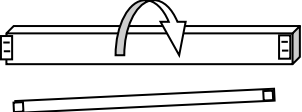


# LED Linear Lamp

## Performance Specifications

AC and Ballast Compatible models for fluorescent lamp replacement

2', 3', 4', 5' lamps

**Lamp Operation:** Direct replacement LED lamps operate using the existing fluorescent ballast as the driver. Results may vary based on ballast manufacture. Photometric testing is consistent with IES-LM-79 and tested to L70 requirements. See Warranty for terms and conditions.

| Installation Instructions: Quick and Simple - No re-wiring required  |   |  |   |
|--|---|--|---|
| <p><b>Step 1:</b> Turn Power - OFF</p>  | <p><b>Step 2:</b> Remove Fluorescent lamp</p>  | <p><b>Step 3:</b> Plug in Versa-Fit™ LED lamp</p>  | <p><b>Step 4:</b> Turn Power - ON</p>  |

### Application Notes:

- Lamps with rotatable end caps are shipped without rotation (0-degree) for use as a fluorescent replacement lamp in standard fixture applications. The rotatable end caps are provided for applications like wall washing, shelf lighting, etc. where lamp sockets are not parallel to the intended light surface.
- 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 -34 °C to 80°C (-29 °F - 176 °F)
- The ELB Versa-Fit™ LED direct replacement lamp with multi-operation technology is compatible with 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. Recommend to test product prior to ordering large quantities.