

## LED T8 - LINEAR REPLACEMENT LAMP

Single-Ended/ Double-Ended Power  
Coated Glass Series  
UL TYPE-B



Intertek



### FEATURES:

- Wattage:
  - 9W, 2FT, ≥1125 lumens, replaces 17W fluorescent T8
  - 12W, 3FT, ≥1,225 lumens, replaces 25W fluorescent T8
  - 11.5W, 4FT, ≥1,650 lumens, replaces 32W fluorescent T8
- Universal Voltage: 120V-277V applications
- Color Rendering Index (CRI): ≥80
- Beam angle: 330°
- THD <20%
- Power factor: ≥ 0.90
- Easy retrofit into most common linear fluorescent fixtures
- Simple ballast bypass, single-ended/ double-ended power
- **Compatible with shunted and non-shunted lamp holders**
- Instant on
- Mercury free and virtually no UV or IR light
- Non dimmable
- Suitable for enclosed fixture
- Suitable for dry and damp locations
- ETL Sanitation listed (tested under NSF standard)
- All glass construction with PET coating
- Rated Lifetime @ L70: 62,000 Hours
- Products L9T8DE235-CG4, L9T8DE240-CG4, L9T8DE250-CG4, L11.5T8DE435-CG4, L11.5T8DE440-CG4 & L11.5T8DE450-CG4 are listed on the DLC QPL

### WARRANTY:

5-year standard warranty  
(further details available at [www.maxlite.com/warranties](http://www.maxlite.com/warranties))  
Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

### PRODUCT DESCRIPTION:

Offering the versatility of single or double ended wiring options in one product SKU, this LED UL Type-B T8 lamp is an easy retrofit into most common linear fluorescent fixtures with shunted or non-shunted lamp holders (see re-lamping examples provided). In addition to flexible installation features that save installers time and money, the Single-Ended/Double-Ended LED T8 lamp consumes up to 50% less energy than standard fluorescent tubes, providing facilities with long-term operational savings.

| MODEL SELECTION (Full list of order codes on pg. 2) |             |             |                        |        | Typical order example: L9T8DE240-CG4                                                      |
|-----------------------------------------------------|-------------|-------------|------------------------|--------|-------------------------------------------------------------------------------------------|
| L                                                   | 9           | T8          | DE                     | 2      |                                                                                           |
| FAMILY                                              | WATTAGE     | LAMP TYPE   | OPERATION              | LENGTH | COLOR TEMPERATURE                                                                         |
| L= LED Linear                                       | 9= 9W       | T8= T8 tube | DE= Double-Ended Power | 2= 2FT | 35-CG4= 3500K, Coated Glass<br>40-CG4= 4000K, Coated Glass<br>50-CG4= 5000K, Coated Glass |
| L                                                   | 12          | T8          | DE                     | 3      |                                                                                           |
| FAMILY                                              | WATTAGE     | LAMP TYPE   | OPERATION              | LENGTH | COLOR TEMPERATURE                                                                         |
| L= LED Linear                                       | 12= 12W     | T8= T8 tube | DE= Double-Ended Power | 3= 3FT | 35-CG4= 3500K, Coated Glass<br>40-CG4= 4000K, Coated Glass<br>50-CG4= 5000K, Coated Glass |
| L                                                   | 11.5        | T8          | DE                     | 4      |                                                                                           |
| FAMILY                                              | WATTAGE     | LAMP TYPE   | OPERATION              | LENGTH | COLOR TEMPERATURE                                                                         |
| L= LED Linear                                       | 11.5= 11.5W | T8= T8 tube | DE= Double-Ended Power | 4= 4FT | 35-CG4= 3500K, Coated Glass<br>40-CG4= 4000K, Coated Glass<br>50-CG4= 5000K, Coated Glass |

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### SPECIFICATIONS:

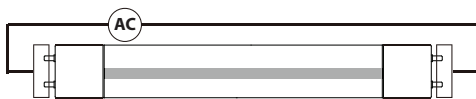
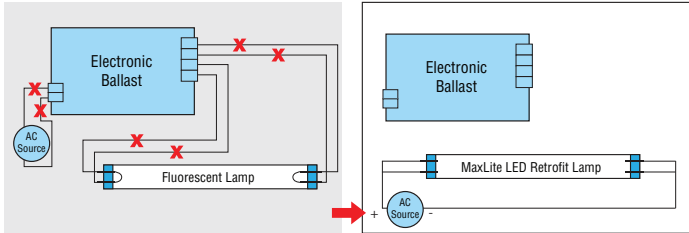
|                     |                         | L9T8DE2xx-CG4                    | L12T8DE3xx-CG4                   | L11.5T8DE4xx-CG4                 |
|---------------------|-------------------------|----------------------------------|----------------------------------|----------------------------------|
| ITEM                | SPECIFICATION           | 2FT - DETAILS                    | 3FT - DETAILS                    | 4FT - DETAILS                    |
| GENERAL PERFORMANCE | Power Consumption (W)   | 9W                               | 12W                              | 11.5W                            |
|                     | Lumens Delivered (lm)   | 1125-1188                        | 1225-1300                        | 1650-1800                        |
|                     | Efficacy                | ≥125 lm/w                        | ≥102 lm/w                        | ≥143 lm/w                        |
|                     | CRI                     | ≥80                              |                                  |                                  |
|                     | Beam Angle              | 330°                             |                                  |                                  |
|                     | Color Temperature (CCT) | 3500K, 4000K, 5000K              |                                  |                                  |
|                     | Lumen Maintenance (L70) | 62,000 Hours                     |                                  |                                  |
| ELECTRICAL          | Power Factor            | ≥ 0.90                           |                                  |                                  |
|                     | Input Voltage           | 120V-277V, 50/60 Hz              |                                  |                                  |
| PHYSICAL            | Operating Temperature   | -4°F to 113°F                    |                                  |                                  |
|                     | Lens                    | Opal (Frosted) - Coated Glass    |                                  |                                  |
| CERTIFICATION       | Certification           | CULus Classified, ETL Sanitation | cULus Classified, ETL Sanitation | CULus Classified, ETL Sanitation |
|                     | Material Usage          | RoHS compliant; no mercury       |                                  |                                  |
|                     | Environment             | Dry & Damp, Enclosed Fixtures    |                                  |                                  |
|                     | Warranty                | 5-year standard warranty         |                                  |                                  |
| QUALIFICATION       | DesignLight Consortium  | DLC 4.2 Standard                 | N/A                              | DLC 4.2 Standard                 |

Lighting layouts and spacing criteria available upon request

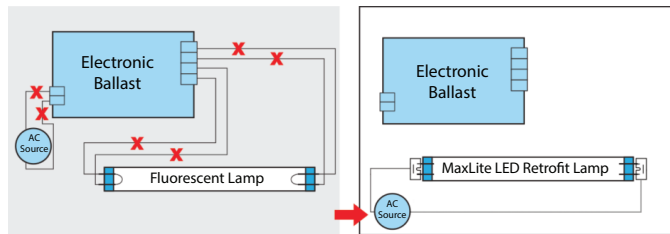
### ORDERING:

| ORDER CODE          | MODELS           | WATTS | LUMENS (lm) | EFFICACY (lm/W) | CCT   | CASE QTY |
|---------------------|------------------|-------|-------------|-----------------|-------|----------|
| 9W 2FT T8 MODELS    |                  |       |             |                 |       |          |
| 1409555             | L9T8DE235-CG4    | 9W    | 1125        | 125 lm/W        | 3500K | 25 pcs   |
| 1409556             | L9T8DE240-CG4    |       | 1200        | 133 lm/W        | 4000K |          |
| 1409557             | L9T8DE250-CG4    |       | 1250        | 139 lm/W        | 5000K |          |
| 12W 3FT T8 MODELS   |                  |       |             |                 |       |          |
| 1409555             | L12T8DE335-CG4   | 12W   | 1225        | 102 lm/W        | 3500K | 25 pcs   |
| 1409556             | L12T8DE340-CG4   |       | 1250        | 104 lm/W        | 4000K |          |
| 1409557             | L12T8DE350-CG4   |       | 1300        | 108 lm/W        | 5000K |          |
| 11.5W 4FT T8 MODELS |                  |       |             |                 |       |          |
| 1409558             | L11.5T8DE435-CG4 | 11.5W | 1650        | 143 lm/W        | 3500K | 25 pcs   |
| 1409559             | L11.5T8DE440-CG4 |       | 1750        | 152 lm/W        | 4000K |          |
| 1409560             | L11.5T8DE450-CG4 |       | 1800        | 156 lm/W        | 5000K |          |

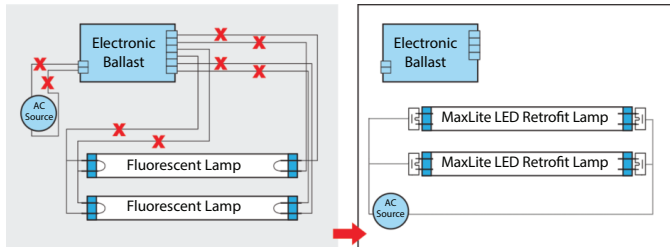
## RELAMPING EXAMPLE:



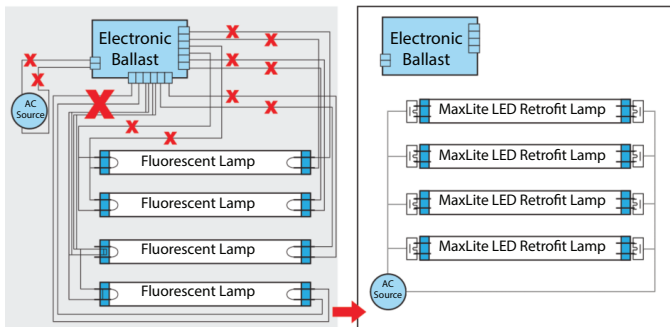
**Figure 1. - Double-Ended connection**



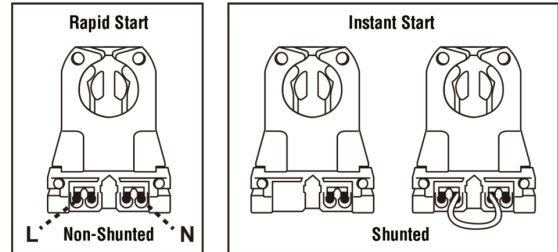
**Figure 2. - Retrofit with One Lamp**



**Figure 3. - Retrofit with Two Lamps**



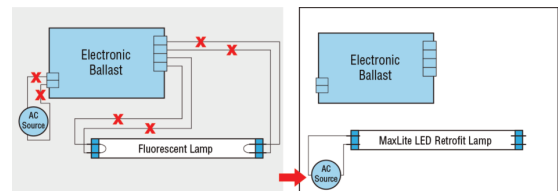
**Figure 4. - Retrofit with Three/Four Lamps**



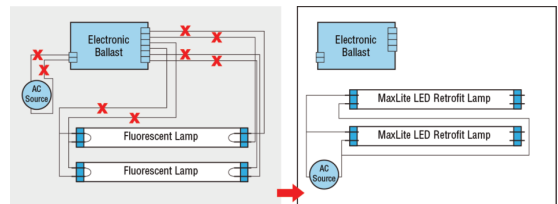
**Figure 1. - Non-shunted & Shunted Lamp Holder**



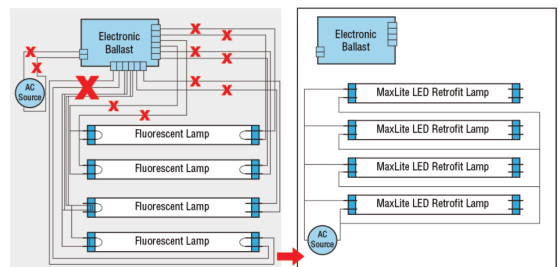
**Figure 2. - Single sided connection**



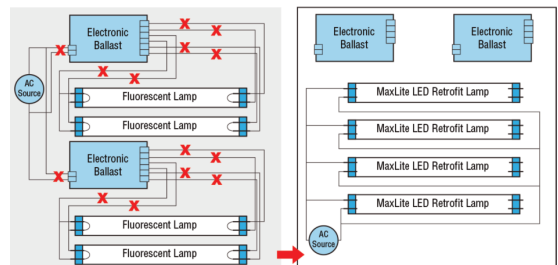
**Figure 3. - Retrofit with One Lamp**



**Figure 4. - Retrofit with Two Lamps**



**Figure 5. - Retrofit with Three/Four Lamps**



**Figure 6. - Retrofit with Three/Four Lamps & Two Ballasts**