

**LED T8 - LINEAR REPLACEMENT LAMP**  
**DOUBLE-ENDED POWER 8FT SERIES**  
**UL TYPE-B**



**FEATURES:**

- Wattage: 42W, 8FT, 5300-5500 lumens, replaces 75W fluorescent T12
- Universal Voltage: 120V-277V applications
- Color Rendering Index (CRI): 80
- Beam angle: 330°, uniform light distribution
- THD <20%
- Power factor: ≥ 0.90
- Easy retrofit into most common linear fluorescent fixtures
- Simple ballast bypass, double-ended wiring schematic
- Instant on
- Mercury free and virtually no UV or IR light
- Non dimmable
- Suitable for enclosed fixture
- Suitable for dry and damp locations
- Rated Lifetime @ L70: 50,000 Hours
- The following models are DLC listed:
  - L42T8DEFA835-CG
  - L42T8DEFA840-CG
  - L42T8DEFA850-CG

**APPLICATIONS:**

- General Illumination
- Parking Garage
- Tunnels
- Cove Lighting
- Display Case

**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.

| MODEL SELECTION (Full list of order codes on pg. 2) |         |             |                        | Typical order example: L42T8DEFA835-CG                     |   |
|---|---------|-------------|------------------------|--|---|
| L   | T8      | DE          | FA8                    |  |   |
| FAMILY  | WATTAGE | LAMP TYPE   | OPERATION              | BASE TYPE  | COLOR TEMPERATURE   |
| L= LED Linear                                       | 42= 42W | T8= T8 tube | DE= Double-Ended Power | FA8= FA8 Single Pin*<br>R17D= R17D Recessed Double Contact | 35-CG= 3500K, Coated Glass Lens<br>40-CG= 4000K, Coated Glass Lens<br>50-CG= 5000K, Coated Glass Lens |

\*Only FA8 items are DLC listed  
Must be ordered in full case quantity.

**SPECIFICATIONS:**

|                            |                         | L42T8DEFA8XX-CG                       | L42T8DER17D8XX-CG                     |
|----------------------------|-------------------------|---------------------------------------|---------------------------------------|
| ITEM                       | SPECIFICATION           | 8FT - DETAILS                         |                                       |
| <b>GENERAL PERFORMANCE</b> | Power Consumption (W)   | 42W                                   |                                       |
|                            | Lumens Delivered (lm)   | 5300-5500                             |                                       |
|                            | Efficacy                | ≥130 lm/w                             |                                       |
|                            | CRI                     | 80                                    |                                       |
|                            | Beam Angle              | 330°                                  |                                       |
|                            | Color Temperature (CCT) | 3500K, 4000K, 5000K                   |                                       |
|                            | Lumen Maintenance (L70) | 50,000 Hours                          |                                       |
| <b>ELECTRICAL</b>          | Power Factor            | ≥ 0.90                                |                                       |
|                            | Input Voltage           | 120V-277V, 50/60 Hz                   |                                       |
| <b>PHYSICAL</b>            | Operating Temperature   | -4°F to 113°F                         |                                       |
|                            | Dimension (MOL" x W")   | 94.00" x 1.140"                       |                                       |
|                            | Lens                    | Coated Glass                          |                                       |
| <b>CERTIFICATION</b>       | Certification           | cULus Classified, ETL Sanitation, FCC | cULus Classified, ETL Sanitation, FCC |
|                            | Material Usage          | RoHS compliant; no mercury            |                                       |
|                            | Environment             | Dry & Damp, Enclosed Fixtures         |                                       |
|                            | Warranty                | 5 year standard warranty              |                                       |
| <b>QUALIFICATION</b>       | DesignLight Consortium  | DLC Listed                            | N/A                                   |

Lighting layouts and spacing criteria available upon request

**ORDERING:**

|      | ORDER CODE | MODELS            | DLC PRODUCT ID | WATTAGE | LUMENS (lm) | EFFICACY (lm/W) | COLOR TEMPERATURE (CCT) | CASE QTY |
|------|------------|-------------------|----------------|---------|-------------|-----------------|-------------------------|----------|
| FA8  | 102740     | L42T8DEFA835-CG   | PL1EBR6VAQBA   | 42W     | 5,300       | 130             | 3500K                   | 10 pcs   |
|      | 102744     | L42T8DEFA840-CG   | PL3OSMMJ6649   |         | 5,400       |                 | 4000K                   |          |
|      | 102745     | L42T8DEFA850-CG   | PLR81FXQOBID   |         | 5,500       |                 | 5000K                   |          |
| R17D | 102746     | L42T8DER17D835-CG | N/A            |         | 5,300       |                 | 3500K                   |          |
|      | 102747     | L42T8DER17D840-CG | N/A            |         | 5,400       |                 | 4000K                   |          |
|      | 102748     | L42T8DER17D850-CG | N/A            |         | 5,500       |                 | 5000K                   |          |