

## T8 DUAL MODE : ELECTRONIC BALLAST COMPATIBLE

### DESCRIPTION

LED T8 Dual Mode Replacement Lamps offer a versatile range of installation options - single-ended or double-ended, with ballast, emergency battery, or direct line voltage.

### FEATURES

- Hybrid dual mode for use with programmed start and emergency electronic ballasts OR direct line voltage
- Direct replacement for conventional linear fluorescent tubes
- Single or double end powered
- Instant full brightness
- Frosted glass lens reduces visual glare
- Up to 80% energy savings
- Ultra-high performance LED delivers >150 lpw
- Suitable for use in totally enclosed fixtures
- Compatible with select emergency battery backup
- Does not operate on magnetic ballasts
- Does not operate on T12 ballasts
- Compatible with electronic ballasts or direct line voltage 120-277V
- UL 1598C listed
- Compatible with select programmed start ballasts
- Visit [eiko.com](http://eiko.com) to view complete ballast compatibility information

### WARRANTY

- 5 year limited warranty; see [eiko.com](http://eiko.com) for warranty details

### APPLICATIONS

- Highbays
- Troffers
- Industrial Strips
- Cove Lighting
- Warehouses
- Stairwells
- Cold Storage



|                     |                       |   |
|---------------------|-----------------------|---|
| <b>PERFORMANCE</b>  | Bare Lamp Wattage     | 12W   |
|                     | System Wattage        | 14W   |
|                     | Lumens                | 1,800/1,900   |
|                     | Efficacy (LPW)        | 150/158   |
|                     | CRI                   | 80+   |
|                     | CCT                   | 3500K, 4000K, 5000K   |
|                     | Life (L70)            | 50,000 hours  |
| <b>ELECTRICAL</b>   | Power Factor          | ≥0.9  |
|                     | THD                   | <20%  |
|                     | Input Voltage         | 120-277V  |
| <b>CONSTRUCTION</b> | Operating Temperature | -4°F to 113°F (-20°C to 45°C)   |
|                     | Base                  | G13   |
| <b>LISTINGS</b>     | Certification(s)      | DesignLights Consortium® Qualified; ETL Sanitation Listed; cULus Listed |
|                     | Material Usage        | RoHS Compliant; no mercury or lead                                      |
|                     | Environment           | UL Listed for damp locations  |

PERFORMANCE SUMMARY

| Order Code | Item #               | Length | Lumens | Bare Lamp Watts* | System Watts* | Volts Ballast Dependent | CCT   | CRI | Glass Tube | Beam | Life/Hours | DLC |
|------------|----------------------|--------|--------|------------------|---------------|-------------------------|-------|-----|------------|------|------------|-----|
| 10101      | LED12WT8/48/835-G8DM | 4'     | 1,800  | 12W              | 14W           | 120-277V                | 3500K | 80+ | Frosted    | 190° | 50K        | ✓   |
| 10102      | LED12WT8/48/840-G8DM | 4'     | 1,900  | 12W              | 14W           | 120-277V                | 4000K | 80+ | Frosted    | 190° | 50K        | ✓   |
| 10103      | LED12WT8/48/850-G8DM | 4'     | 1,900  | 12W              | 14W           | 120-277V                | 5000K | 80+ | Frosted    | 190° | 50K        | ✓   |

NOTE: Use order code when ordering. ✓DesignLights Consortium® Qualified  
\* Lamp consumes 12 watts when operated on line voltage. System wattage is 14 watts per lamp when operated on ballast.

WIRING DIAGRAMS FOR LINE VOLTAGE OPERATION



**OPTION 1:** Connecting AC line voltage to a non-shunted socket on only one end (single-ended mode). Bring line and neutral to pins “N1” and “L.” Do not connect “N2” and “N3” - damage may result.



**OPTION 2:** Connecting AC line voltage to non-shunted sockets on both ends (double-ended mode). Bring line to both “N1” and “L.” Bring neutral to both “N2” and “N3.”



**OPTION 3:** Connecting AC line voltage to shunted sockets on both ends (double-ended mode). Bring line to N1/L side and neutral to N2/N3 side.