**KT-LED12.5T8-48GC-835-D**

**DESCRIPTION**
12.5W T8 LED | 3500K | >83 CRI | High Efficiency

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** ~12.5W
- **COLOR TEMPERATURE:** 3500K
- **COLOR RENDERING INDEX (CRI):** >83
- **WARRANTY:** 5 Years

**PRODUCT FEATURES**

- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Approximately 50% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified

- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6' on hard surface
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

**OPERATING SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Electrical Characteristics</th>
<th>Power Consumption</th>
<th>Power Factor</th>
<th>Input Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>~12.5W</td>
<td>&gt;0.9</td>
<td></td>
</tr>
<tr>
<td>120-277Vac</td>
<td></td>
<td></td>
<td>0.12A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.05A @ 277V</td>
</tr>
</tbody>
</table>

**PHOTOMETRIC CHARACTERISTICS**

- **Color Temperature (CCT):** 3500K
- **Luminous Flux:** 1700 lm
- **Color Rendering Index (CRI):** >83

**RATED LIFE**

- **L70 (Hours):** 50,000

**POLAR CANDELA DISTRIBUTION**

- Maximum Candela = 1248.55
- Located at Horizontal Angle = 0, Vertical Angle = 0

1. **Violet** Vertical Plane through Horizontal Angles (90-270)
2. **Green** Vertical Plane through Horizontal Angles (0-180)
**WIRING DIAGRAMS**

1. Cut all existing connections to ballast as shown below and remove ballast.

**Typical Ballast Configurations:**

- **Preheat with Starter**
- **Instant Start**

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

- A (Illuminated Length) 44.38"
- B (Body Length) 47.15"
- C (Diameter) 1.10"

**NOMINAL LENGTH:** 48”  **BASE TYPE:** G13 (Medium Bi-Pin)

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>ORDER CODE</th>
<th>PACKAGING STYLE</th>
<th>PACK QTY.</th>
<th>ITEM STATUS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KT-LED12.5T8-48GC-835-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED12.5T8-48GC-835-D-CP**

- Keystone Technologies
- LED Lamp
- Wattage
- Lamp Type
- Nominal Length (Inches)
- Shatter-Proof Coated Glass
- 800 Series
- Color Temp.
- Direct Drive Series
- Packaging Style