**KT-LED10.5T8-48GC-835-D**

**T8 LED LAMP**

**DESCRIPTION**

10.5W T8 LED | 3500K | >83 CRI | High-Efficiency

**LAMP TYPE:** Linear

**BULB TYPE:** T8 LED

**BASE TYPE:** G13 (Medium Bi-Pin)

**WATTAGE:** 10.5W

**COLOR TEMPERATURE:** 3500K

**COLOR RENDERING INDEX (CRI):** >83

**WARRANTY:** 5 Years

**PRODUCT FEATURES**

- Replacement for conventional fluorescent lamp
- 50,000+ hour lifetime
- Approximately 40% more energy efficient than standard F32T8 lamps
- Environmentally friendly: No mercury used
- UL Classified
- Operating temperature: −20°C/−4°F to 45°C/113°F
- Integral driver (isolated), eliminates the need for external driver or ballast
- 100+ Lumens per Watt
- Instant startup
- Frosted lens eliminates pixelation
- Improved lamp durability with shatterproof coated glass, designed to pass drop tests of 6’ on hard surface
- NSF listed: NSF/ANSI Standard 2—Food Equipment,
- Splash zone (not for direct food zone without additional fixture considerations)

**OPERATING SPECIFICATIONS**

**ELECTRICAL CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Input Voltage</th>
<th>Power Consumption</th>
<th>Power Factor</th>
<th>Input Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>120–277Vac</td>
<td>10.5W</td>
<td>&gt;0.9</td>
<td>0.094A @ 120V</td>
</tr>
</tbody>
</table>

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3500K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1700 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>156 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240º</td>
</tr>
<tr>
<td>Visible Light Area</td>
<td>325º</td>
</tr>
</tbody>
</table>

**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)
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WIRING DIAGRAMS

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

   **TYPICAL BALLAST CONFIGURATIONS**
   - **PROGRAM START**
   - **PREHEAT WITH STARTER**
   - **INSTANT START**

   ![Wiring Diagrams](image)

2. Re-wire fixture as shown below.

   ![Wiring Diagrams](image)

   **CAUTION:** Instant start ballast with shunted sockets.

   **TYPICAL NON-SHUNTED LAMPHOLDER**

   ![Lampholder Diagram](image)

   **CAUTION:** Use only non-shunted lampholders. Do not install product in a fixture with shunted lampholders (found in all fixtures using instant start ballasts). If the current lampholders are shunted, remove them and replace them with non-shunted lampholders. Make new connections directly to terminals as indicated above. Keystone can provide any style replacement lampholders. Call us at 800-464-2680.

PHYSICAL CHARACTERISTICS

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Illuminated Length)</td>
<td>44.38&quot;</td>
</tr>
<tr>
<td>B (Body Length)</td>
<td>47.15&quot;</td>
</tr>
<tr>
<td>C (Diameter)</td>
<td>1.10&quot;</td>
</tr>
</tbody>
</table>

**NOMINAL LENGTH:** 48"  
**BASE TYPE:** G13 (Medium Bi-Pin)
KT-LED10.5T8-48GC-835-D
T8 LED LAMP

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-LED10.5T8-48GC-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-LED10.5T8-48GC-835-D-CP

1  Keystone Technologies
2  LED Lamp
3  Wattage
4  Lamp Type
5  Nominal Length (Inches)
6  Shatterproof Coated Glass
7  800 Series
8  Color Temperature
9  Direct-Drive Series
10  Packaging Style