**KT-LED10.5T8-48GC-840-D**

**T8 LED LAMP**

**DESCRIPTION**

10.5W T8 LED | 4000K | >83 CRI | High-Efficiency

| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: 10.5W |
| COLOR TEMPERATURE: 4000K |
| 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 0.040A @ 277V</td>
</tr>
</tbody>
</table>

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>Luminous Flux</th>
<th>Color Rendering Index (CRI)</th>
<th>Efficacy</th>
<th>Beam Angle</th>
<th>Visible Light Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000K</td>
<td>1730 lm</td>
<td>&gt;83</td>
<td>160 lm/W</td>
<td>240º</td>
<td>325º</td>
</tr>
</tbody>
</table>

**RATED LIFE**

| L70 (Hours) | 50,000 |

**SPECTRAL DISTRIBUTION**

Flux (W/nm) vs. Wavelength (nm)

**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.

   ![Wiring Diagram](image)

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

   **TYPICAL NON-SHUNTED LAMPHOLDER**
   Connect wires directly to these terminals

   **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.

2. Re-wire fixture as shown below.

   ![Wiring Diagram](image)

   **TYPICAL NON-SHUNTED LAMPHOLDER**
   Connect wires directly to these terminals

   **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

<table>
<thead>
<tr>
<th>Dimension</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>

**LAMP DIMENSIONS**

**NOMINAL LENGTH:** 48"

**BASE TYPE:** G13 (Medium Bi-Pin)
** KT-LED10.5T8-48GC-840-D **

** T8 LED LAMP **

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### 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-840-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

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### CATALOG NUMBER BREAKDOWN

** KT-LED10.5T8-48GC-840-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