KT-LED10.5T8-48GC-850-D
T8 LED LAMP

DESCRIPTION
10.5W T8 LED | 5000K | >83 CRI | High-Efficiency

- LAMP TYPE: Linear
- BULB TYPE: T8 LED
- BASE TYPE: G13 (Medium Bi-Pin)
- WATTAGE: 10.5W
- COLOR TEMPERATURE: 5000K
- 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>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.040A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1750 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>162 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

SPECTRAL DISTRIBUTION

Flux (W/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.

2. Re-wire fixture as shown below.

**TYPICAL BALLAST CONFIGURATIONS**

**PROGRAM START**

**PREHEAT WITH STARTER**

**INSTANT START**

**TYPICAL NON-SHUNTED LAMPHOLDER**

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>Parameter</th>
<th>Measurement</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-850-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-850-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-850-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