KT-LED10.5T8-48G-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
• Listed on DLC Qualified Product List
• Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
• 100+ Lumens per Watt
• Instant Startup
• Frosted Lens Eliminates Pixelation

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>.09A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>.04A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

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

RATED LIFE

L70 (Hours) 50,000

SPECTRAL 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:

- **PROGAM START**
  - LAMP
  - LAMP
  - BALLAST

- **PREHEAT WITH STARTER**
  - LAMP
  - LAMP
  - BALLAST

- **INSTANT START**
  - LAMP
  - LAMP
  - BALLAST

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.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Illuminated Length)</td>
<td>44.38”</td>
</tr>
<tr>
<td>B (Body Length)</td>
<td>47.15”</td>
</tr>
<tr>
<td>C (Diameter)</td>
<td>1.10”</td>
</tr>
</tbody>
</table>

**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-LED10.5T8-48G-840-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED10.5T8-48G-840-D-CP**

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