KT-LED10.5T8-48G-830-D
T8 LED LAMP

DESCRIPTION
10.5W T8 LED | 3000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 10.5W
COLOR TEMPERATURE: 3000K
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>.094A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>.040A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1650 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>152 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>

SPECTRAL DISTRIBUTION

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**

2. Re-wire fixture as shown below.

**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></th>
<th>A (Illuminated Length)</th>
<th>B (Body Length)</th>
<th>C (Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>44.38”</td>
<td>47.15”</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-830-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-830-D-CP

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

Specifications subject to change. Last revised on 1.23.18