KT-LED12.5T8-48G-830-D
T8 LED LAMP

DESCRIPTION
12.5W T8 LED | 3000K | >83 CRI | High Efficiency

- LAMP TYPE: Linear
- BULB TYPE: T8 LED
- BASE TYPE: G13 (Medium Bi-Pin)
- WATTAGE: ~12.5W
- COLOR TEMPERATURE: 3000K
- COLOR RENDERING INDEX (CRI): >83
- WARRANTY: 5 Years

PRODUCT FEATURES
- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 50% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- Listed on DLC Qualified Product List
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 120+ Lumens per Watt

OPERATING SPECIFICATIONS

<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>PHOTOMETRIC CHARACTERISTICS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>Power Consumption</td>
</tr>
<tr>
<td>120-277Vac</td>
<td>~12.5W</td>
</tr>
<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>129 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

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)
**KT-LED12.5T8-48G-830-D**

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**WIRING DIAGRAMS**

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

Typical Ballast Configurations:

- **PREHEAT WITH STARTER**
- **INSTANT START**

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

No Live Connection

<table>
<thead>
<tr>
<th>Lamp Dimension</th>
<th>A (Illuminated Length)</th>
<th>B (Body Length)</th>
<th>C (Diameter)</th>
</tr>
</thead>
<tbody>
<tr>
<td></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-LED12.5T8-48G-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-LED12.5T8-48G-830-D-CP**

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

**Specifications subject to change. Last revised on 1.23.18**