KT-LED18.5T8-48GC-830-D
T8 LED LAMP

DESCRIPTION
18.5W T8 LED | 3000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 18.5W
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
• Instant Startup
• Frosted Lens Eliminates Pixelation
• UL Classified; Listed on DLC Qualified Product List
• Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
• Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
• 110+ Lumens per Watt
• Improved Lamp Durability with Shatterproof Coated Glass, designed to pass drop tests of 6’ on hard surface
• ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment, Splash Zone (Not for Direct Food Zone without additional fixture considerations)

OPERATING SPECIFICATIONS

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>2400 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>130 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>

SPECTRAL DISTRIBUTION

1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)

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>18.5W</td>
<td>&gt;0.9</td>
<td>0.15A @ 120V 0.07A @ 277V</td>
</tr>
</tbody>
</table>

RATED LIFE

L70 (Hours) | 50,000

Specifications subject to change. Last revised on 12.13.17
WIRING DIAGRAMS

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

Typical Ballast Configurations:

- **PROGRAM START**
  - LAMP
  - LAMP
  - BALLAST

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

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

2. Re-wire fixture as shown below.

   ![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.

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**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></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)

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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-LED18.5T8-48GC-830-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-LED18.5T8-48GC-830-D-CP**

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

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