**KT-LED7T8-24GC-830-D**

**T8 LED LAMP**

**DESCRIPTION**
7W T8 LED | 3000K | >83 CRI | High Efficiency

**LAMP TYPE:** Linear
**BULB TYPE:** T8 LED
**BASE TYPE:** G13 (Medium Bi-Pin)
**WATTAGE:** 7W
**COLOR TEMPERATURE:** 3000K
**COLOR RENDERING INDEX (CRI):** >83
**WARRANTY:** 5 Years

**PRODUCT FEATURES**
- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- 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**

**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>7W</td>
<td>&gt;0.9</td>
<td>0.06A @ 120V 0.03A @ 277V</td>
</tr>
</tbody>
</table>

**RATED LIFE**
L70 (Hours) 50,000

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>850 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>121 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>

**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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Keystone Technologies • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680 • Fax (888) 966-0556 • www.keystonetech.com

Specifications subject to change. Last revised on 12.13.17
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WIRING DIAGRAMS

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

Typical Ballast Configurations:

- **PROGRAM START**
  - LAMP
  - LAMP
- **PREHEAT WITH STARTER**
  - S
  - LAMP
- **INSTANT START**
  - LAMP
  - LAMP

2. Re-wire fixture as shown below.

   ![Wiring Diagram](image)

   **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.

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>20.31”</td>
<td>23.19”</td>
<td>1.10”</td>
</tr>
</tbody>
</table>

**NOMINAL LENGTH:** 24”  **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>
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</thead>
<tbody>
<tr>
<td>KT-LED7T8-24GC-830-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED7T8-24GC-830-D-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

CATALOG NUMBER BREAKDOWN

**KT-LED7T8-24GC-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