KEystone

KT-LED7T8-24GC-835-D

T8 LED LAMP

DESCRIPTION
7W T8 LED | 3500K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 7W
COLOR TEMPERATURE: 3500K
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: -20°C/-4°F to 45°C/113°F
• 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>3500K</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>240º</td>
</tr>
<tr>
<td>Visible Light Area</td>
<td>325º</td>
</tr>
</tbody>
</table>

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</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.03A @ 277V</td>
</tr>
</tbody>
</table>

RATED LIFE

| L70 (Hours) | 50,000 |

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)

Specifications subject to change. Last revised on 12.13.17
**KT-LED7T8-24GC-835-D**

**T8 LED LAMP**

**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**

![Typical Ballast Configurations Diagram]

2. Re-wire fixture as shown below.

![Re-wire Fixture Diagram]

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Illuminated Length)</td>
<td>20.31”</td>
</tr>
<tr>
<td>B (Body Length)</td>
<td>23.19”</td>
</tr>
<tr>
<td>C (Diameter)</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>
</tr>
</thead>
<tbody>
<tr>
<td>KT-LED7T8-24GC-835-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED7T8-24GC-835-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-835-D-CP**

- **Wattage Lamp Type:** T8 LED
- **Nominal Length (Inches):** 24
- **Color Temp.:** 3500K
- **Direct Drive Series:** Yes
- **Packaging Style:** Carton Pack (Egg Crate Packaging)

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**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.