**KT-LED7T8-24GC-840-D**

**T8 LED LAMP**

**DESCRIPTION**

7W T8 LED | 4000K | >83 CRI | High Efficiency

| LAMP TYPE: | Linear |
| BULB TYPE: | T8 LED |
| BASE TYPE: | G13 (Medium Bi-Pin) |
| WATTAGE: | 7W |
| COLOR TEMPERATURE: | 4000K |
| 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**

**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>

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>4000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>900 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**

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)

---

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

Specifications subject to change. Last revised on 12.13.17
## 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-840-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED7T8-24GC-840-D-CP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

## Catalog Number Breakdown

**KT-LED7T8-24GC-840-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**

---

### Physical Characteristics

#### Lamp Dimensions

- **A** (Illuminated Length): 20.31”
- **B** (Body Length): 23.19”
- **C** (Diameter): 1.10”

**Nominal Length:** 24”  
**Base Type:** G13 (Medium Bi-Pin)

### 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.

### Important Notice

**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.