**KT-LED12T8-36G-865-D**

**T8 LED LAMP**

**DESCRIPTION**

12W T8 LED | 6500K | >83 CRI | High Efficiency

<table>
<thead>
<tr>
<th>LAMP TYPE: Linear</th>
</tr>
</thead>
<tbody>
<tr>
<td>BULB TYPE: T8 LED</td>
</tr>
<tr>
<td>BASE TYPE: G13 (Medium Bi-Pin)</td>
</tr>
<tr>
<td>WATTAGE: 12W</td>
</tr>
<tr>
<td>COLOR TEMPERATURE: 6500K</td>
</tr>
<tr>
<td>COLOR RENDERING INDEX (CRI): &gt;83</td>
</tr>
<tr>
<td>WARRANTY: 5 Years</td>
</tr>
</tbody>
</table>

**PRODUCT FEATURES**

- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt

**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>12W</td>
<td>&gt;0.9</td>
<td>0.108A @ 120V 0.043A @ 277V</td>
</tr>
</tbody>
</table>

**RATED LIFE**

| L70 (Hours) | 50,000 |

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>6500K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1300 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>108 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240°</td>
</tr>
<tr>
<td>LED Quantity</td>
<td>80</td>
</tr>
</tbody>
</table>

**SPECTRAL DISTRIBUTION**

Flux (W/mm) vs. Wavelength (nm)

**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)
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**

- LAMP
- BALLAST

**INSTANT START**

- LAMP
- BALLAST

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.

2. Re-wire fixture as shown below.

**DIRECT DRIVE LED TUBE**

- DIRECT DRIVE LED TUBE
- DIRECT DRIVE LED TUBE
- DIRECT DRIVE LED TUBE
- DIRECT DRIVE LED TUBE

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

- A (Illuminated Length) 32.36"
- B (Body Length) 35.19"
- C (Diameter) 1.10"

**NOMINAL LENGTH:** 36”  **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-LED12T8-36G-865-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED12T8-36G-865-D-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED12T8-36G-865-D-CP**

Keystone Technologies  •  LED Lamp  •  Wattage  •  Lamp Type  •  Nominal Length (Inches)  •  Glass Case  •  800 Series  •  Color Temp.  •  Direct Drive Series  •  Packaging Style