KT-LED12T8-36G-840-D
T8 LED LAMP

DESCRIPTION
12W T8 LED | 4000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 12W
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
• 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

PHOTOMETRIC CHARACTERISTICS

| Color Temperature (CCT) | 4000K |
| Luminous Flux | 1250 lm |
| Color Rendering Index (CRI) | >83 |
| Efficacy | 104 lm/W |
| Beam Angle | 240° |
| LED Quantity | 80 |

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</td>
</tr>
</tbody>
</table>

RATED LIFE

L70 (Hours) | 50,000

SPECTRAL DISTRIBUTION

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)

Keystone Technologies • 208 Progress Drive, Montgomeryville, PA 18936 • Phone (800) 464-2680 • Fax (888) 966-0556 • www.keystonelamp.com

Specifications subject to change. Last revised on 11.29.16
**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-840-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED12T8-36G-840-D-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**WIRING DIAGRAMS**

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

Typical Ballast Configurations:

- **PROGRAM START**
  - LAMP
  - BALLAST

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

- **INSTANT START**
  - LAMP
  - BALLAST

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Illuminated Length)</td>
<td>32.36”</td>
</tr>
<tr>
<td>B (Body Length)</td>
<td>35.19”</td>
</tr>
<tr>
<td>C (Diameter)</td>
<td>1.10”</td>
</tr>
</tbody>
</table>

**NOMINAL LENGTH**: 36”  **BASE TYPE**: G13 (Medium Bi-Pin)

**CATALOG NUMBER BREAKDOWN**

**KT-LED12T8-36G-840-D-CP**

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

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