KT-LED12T8-36GC-835-D
T8 LED LAMP

DESCRIPTION
12W T8 LED I 3500K I >83 CRI I High Efficiency

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

• Operating Temperature: -20ºC/-4ºF to 45ºC/113ºF
• Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
• 100+ Lumens per Watt
• Improved Lamp Durability with Shatterproof Coated Glass

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>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3500K</th>
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<tbody>
<tr>
<td>Luminous Flux</td>
<td>1450 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
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<tr>
<td>Efficacy</td>
<td>120 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240º</td>
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<tr>
<td>Visible Light Area</td>
<td>325º</td>
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</tbody>
</table>

RATED LIFE

| L70 (Hours) | 50,000 |

POLAR CANDELA DISTRIBUTION

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)

NOTE: Values representative of lamp performance manufactured with date code 1801 and newer.
**KT-LED12T8-36GC-835-D-CP**

**T8 LED LAMP**

**WIRING DIAGRAMS**

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

**Typical Ballast Configurations:**

- **PROGRAM START**
  - PROGAM START
  - LAMP
  - BALLAST

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

- **INSTANT START**
  - LAMP
  - BALLAST

2. Re-wire fixture as shown below.

**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**

- **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>
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<tbody>
<tr>
<td>KT-LED12T8-36GC-835-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
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<td>Quick Ship</td>
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**CATALOG NUMBER BREAKDOWN**

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<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
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<tbody>
<tr>
<td>1</td>
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<td>Nominal Length (inches)</td>
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<td>Direct Drive Series</td>
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<td>2</td>
<td>LED Lamp</td>
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<td>Shatter-Proof Coated Glass</td>
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<td>Packaging Style</td>
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<td>Max Output Wattage</td>
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<td>Color Temp.</td>
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