KT-LED12T8-36GC-865-D
T8 LED LAMP

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

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 12W
COLOR TEMPERATURE: 6500K
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 SPECIFICATIONS

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>240º</td>
</tr>
<tr>
<td>Visible Light Area</td>
<td>325º</td>
</tr>
</tbody>
</table>

SPECTRAL DISTRIBUTION

Wavelength (nm)  350  425  500  575  650  725  800
Flux (W/um)  1.0  0.6  0.2  0.8  0.4  0.0

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
  - BALLAST

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

- **INSTANT START**
  - LAMP
  - BALLAST

Typical Non-Shunted Lampholder

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.

   ![Wiring Diagram](image)

   - **Direct Drive LED Tube**
   - **Direct Drive LED Tube**
   - **Direct Drive LED Tube**
   - **Direct Drive LED Tube**

   No Live Connection

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

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

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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</thead>
<tbody>
<tr>
<td>KT-LED12T8-36GC-865-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
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<tr>
<td>KT-LED12T8-36GC-865-D-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
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CATALOG NUMBER BREAKDOWN

**KT-LED12T8-36GC-865-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