KT-LED25T8-96G-850-D
T8 LED LAMP

DESCRIPTION
25W T8 LED | 5000K | >80 CRI | High-Efficiency | 8-Foot

| LAMP TYPE: Linear | COLOR TEMPERATURE: 5000K |
| BULB TYPE: T8 LED | COLOR RENDERING INDEX (CRI): >80 |
| BASE TYPE: Fa8 (Single-Pin) | WARRANTY: 5 Years |
| WATTAGE: 25W |

PRODUCT FEATURES
• Replacement for conventional T8/T12 8-foot, single-pin fluorescent lamp
• Double-ended line voltage wiring: Connect power to each end for simplified installation
• 50,000+ hour lifetime
• Approximately 50% more energy efficient than standard F96T12 lamps
• Environmentally friendly: No mercury used
• NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)

• Includes 2 C-clips to be installed with the lamps into the fixture ballast cover to prevent any potential undesired lamp twisting or sagging
• Frosted lens eliminates pixilation
• UL classified
• Operating temperature: –20ºC/–4ºF to 55ºC/131ºF
• Integral driver (isolated): Eliminates the need for external driver or ballast
• 120+ lumens per Watt
• Instant startup

OPERATING SPECIFICATIONS

<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>PHOTOMETRIC CHARACTERISTICS</th>
<th>RATED LIFE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>Color Temperature (CCT)</td>
<td>L70 (Hours)</td>
</tr>
<tr>
<td>120–277Vac</td>
<td>5000K</td>
<td></td>
</tr>
<tr>
<td>Power Consumption</td>
<td>Luminous Flux</td>
<td></td>
</tr>
<tr>
<td>25W</td>
<td>3500 lm</td>
<td></td>
</tr>
<tr>
<td>Power Factor</td>
<td>Color Rendering Index (CRI)</td>
<td></td>
</tr>
<tr>
<td>&gt;0.9</td>
<td>Efficacy</td>
<td></td>
</tr>
<tr>
<td>Input Current</td>
<td>Beam Angle</td>
<td></td>
</tr>
<tr>
<td>0.21A @ 120V 0.09A @ 277V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SPECTRAL DISTRIBUTION

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)
WIRING INSTRUCTIONS

1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.

Typical Ballast Configurations

- **ELECTRONIC**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue

- **MAGNETIC 120V**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue
  - White

- **MAGNETIC 277V**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue
  - Yellow

2. Confirm that the lampholders in the fixture are single-pin Fa8 lampholders. These DirectDrive LED tubes require single-pin Fa8 lampholders.

3. Rewire the fixture using existing lampholders, as shown below, according to the original ballast wiring configuration.

Typical Rewiring Configurations

- **ELECTRONIC**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue

- **MAGNETIC 120V**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue
  - White

- **MAGNETIC 277V**
  - Lamp
  - Lamp
  - Ballast
  - Black (Line) → Red
  - White (Neutral) → Blue
  - Yellow

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Measurement</th>
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<tbody>
<tr>
<td>A (Body Length)</td>
<td>93.31&quot;</td>
</tr>
<tr>
<td>B (Illuminated Length)</td>
<td>91.50&quot;</td>
</tr>
<tr>
<td>C (Cross-section: Width × Height)</td>
<td>1.08&quot; × 1.31&quot;</td>
</tr>
</tbody>
</table>

**LAMP DIMENSIONS**

- **Ampere Rating:** 0.29 amp
- **Volts:** 120V or 277V
- **Color Rendering Index:** 97
- **Color Temperature:** 8500K
- **Ballast Type:** Electronic
- **Ballast Wattage:** 25 watts

**BASE TYPE:** Fa8 (Single-Pin)
**KT-LED25T8-96G-850-D**
T8 LED LAMP

### 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-LED25T8-96G-850-D-CP</td>
<td>Contractor Pack (Individual Cartons)</td>
<td>10</td>
<td>Quick Ship</td>
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### CATALOG NUMBER BREAKDOWN

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
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<td>10</td>
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</tbody>
</table>

1. Keystone Technologies
2. LED Lamp
3. Wattage
4. Lamp Type
5. Nominal Length (Inches)
6. Glass
7. 800 Series
8. Color Temperature
9. Double Drive Series
10. Packaging Style