**DESCRIPTION**

36W T8 LED | 4000K | >80 CRI | High-Efficiency | 8-Foot

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** Fa8 (Single-Pin)
- **WATTAGE:** 36W
- **COLOR TEMPERATURE:** 4000K
- **COLOR RENDERING INDEX (CRI):** >80
- **WARRANTY:** 5 Years

**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
- Approximately 50% more energy efficient than standard F96T12 lamps
- Environmentally friendly: No mercury used
- Instant startup
- 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 pixelation
- UL Classified
- Operating temperature: –20°C/–4°F to 55°C/131°F
- Integral driver (Isolated) eliminates the need for external driver or ballast
- 100+ lumens per watt
- 50,000+ hour lifetime
- Plastic lens with aluminum backing

**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>36W</td>
<td>&gt;0.9</td>
<td>0.30A @ 120V 0.14A @ 277V</td>
</tr>
</tbody>
</table>

**PHOTOMETRIC CHARACTERISTICS**

- **Color Temperature (CCT):** 4000K
- **Luminous Flux:** 3800 lm
- **Color Rendering Index (CRI):** >80
- **Efficacy:** 106 lm/W
- **Beam Angle:** 120°

**RATED LIFE**

- L70 (Hours): 50,000

**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)
- White (Neutral)
- Red
- Blue

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

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

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)
- White (Neutral)
- Red
- Blue

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

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

PHYSICAL CHARACTERISTICS

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<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 x Height)</td>
<td>1.08&quot; x 1.31&quot;</td>
</tr>
</tbody>
</table>

**LAMP DIMENSIONS**

- **Nominal Length:** 96"
- **Base Type:** Fa8 (Single-Pin)
## KT-LED36T8-96P-840-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>
</tr>
</thead>
<tbody>
<tr>
<td>KT-LED36T8-96P-840-D-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>20</td>
<td>Quick Ship</td>
</tr>
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</table>

### CATALOG NUMBER BREAKDOWN

<table>
<thead>
<tr>
<th>KT-LED36T8-96P-840-D-DP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Keystone Technologies</td>
</tr>
<tr>
<td>2 LED Lamp</td>
</tr>
<tr>
<td>3 Wattage</td>
</tr>
<tr>
<td>4 Lamp Type</td>
</tr>
<tr>
<td>5 Nominal Length (Inches)</td>
</tr>
<tr>
<td>6 Plastic/Aluminum Case</td>
</tr>
<tr>
<td>7 800 Series</td>
</tr>
<tr>
<td>8 Color Temperature</td>
</tr>
<tr>
<td>9 Direct Drive Series</td>
</tr>
<tr>
<td>10 Packaging Style</td>
</tr>
</tbody>
</table>