**KT-LED18T8-48P-840-D-VDIM**  
**DIMMABLE T8 LED LAMP**

**DESCRIPTION**  
0-10V Dimmable DirectDrive T8 LED Tube | 4000K | >80 CRI | 120-277V Input

- **LAMP TYPE:** Linear  
- **BULB TYPE:** T8 LED  
- **BASE TYPE:** G13 (Medium Bi-Pin)  
- **WATTAGE:** 18W  
- **COLOR TEMPERATURE:** 4000K  
- **DIMMING TYPE:** 0-10V  
- **WARRANTY:** 5 Years

**PRODUCT FEATURES**
- Dimmable Via 0-10V Dimming Controls  
- Replacement for Conventional Fluorescent Lamp  
- 50,000+ Hour Lifetime  
- Approximately 40% More Energy Efficient Than Standard F32T8 Lamps  
- Environmentally Friendly: No Mercury Used  
- Instant Start Up  
- Frosted Lens Eliminates Pixelation  
- UL Classified  
- Operating Temperature: -20°C/-4°F to 55°C/131°F  
- Integral Driver (Non-Isolated), Eliminates the Need for External Driver or Ballast  
- 100+ Lumens per Watt  
- Plastic/Aluminum Construction

**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>18W</td>
<td>&gt;0.9</td>
<td>0.15A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.07A @ 277V</td>
</tr>
</tbody>
</table>

**PHOTOMETRIC CHARACTERISTICS**

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>4000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>2000 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Efficacy</td>
<td>111 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>120º</td>
</tr>
</tbody>
</table>

**RATED LIFE**

| L70 (Hours) | 50,000 |

**SPECTRAL DISTRIBUTION**

[Graph showing 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)

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Specifications subject to change. Last revised on 6.13.17
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**WIRING DIAGRAMS**

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

**Typical Ballast Configurations:**

**PROGRAM START**

**PREHEAT WITH STARTER**

**INSTANT START**

CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>A (Illuminated Length)</th>
<th>45.70”</th>
</tr>
</thead>
<tbody>
<tr>
<td>B (Body Length)</td>
<td>47.15”</td>
</tr>
<tr>
<td>C (Cross Section: Width x Height)</td>
<td>1.08” x 1.25”</td>
</tr>
</tbody>
</table>

**NOMINAL LENGTH:** 48”  **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>
</tr>
</thead>
<tbody>
<tr>
<td>KT-LED18T8-48P-840-D-VDIM-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>20</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED18T8-48P-840-D-VDIM-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>20</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED18T8-48P-840-D VDIM-CP**