**DESCRIPTION**

0-10V Dimmable DirectDrive T8 LED Tube | 3500K | >80 CRI | 120-277V Input

- **LAMP TYPE:** Linear
- **BULB TYPE:** T8 LED
- **BASE TYPE:** G13 (Medium Bi-Pin)
- **WATTAGE:** 18W
- **COLOR TEMPERATURE:** 3500K
- **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>

**RATED LIFE**

<table>
<thead>
<tr>
<th>L70 (Hours)</th>
<th>50,000</th>
</tr>
</thead>
</table>

**PHOTOMETRIC CHARACTERISTICS**

- Color Temperature (CCT): 3500K
- Luminous Flux: 1950 lm
- Color Rendering Index (CRI): >80
- Efficacy: 108 lm/W
- Beam Angle: 120°

**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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Keystone Technologies • 1390 Welsh Road, North Wales, PA 19454 • Phone (800) 464-2680 • Fax (888) 966-0556 • www.keystonetech.com

Specifications subject to change. Last revised on 6.13.17
**KT-LED18T8-48P-835-D-VDIM**

**DIMMABLE T8 LED LAMP**

**WIRING DIAGRAMS**

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

Typical Ballast Configurations:

**PROGRAM START**

- **LAMP**
- **BALLAST**

**PREHEAT WITH STARTER**

- **S**
- **LAMP**
- **BALLAST**

**INSTANT START**

- **LAMP**
- **BALLAST**

2. Re-wire fixture as shown below.

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

| A (Illuminated Length) | 45.70” |
| B (Body Length) | 47.15” |
| C (Cross Section: Width x Height) | 1.08” x 1.25” |

**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-835-D-VDIM-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>20</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED18T8-48P-835-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-835-D VDIM-CP**

Keystone Technologies • LED Lamp • Wattage • Lamp Type • Nominal Plastic/Length (Inches) • 800 Series • Color Temp. • Direct Drive Series • 0-10 V Dimming • Packaging Style

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Specifications subject to change. Last revised on 6.13.17