**KT-LED18T8-48GC-840-D-FDIM**

**T8 LED LAMP**

**DESCRIPTION**
18W T8 LED | 4000K | >83 CRI | High Efficiency

<table>
<thead>
<tr>
<th>LAMP TYPE: Linear</th>
<th>BULB TYPE: T8 LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>BASE TYPE: G13 (Medium Bi-Pin)</td>
<td>WATTAGE: 18W</td>
</tr>
<tr>
<td>COLOR TEMPERATURE: 4000K</td>
<td>COLOR RENDERING INDEX (CRI): &gt;83</td>
</tr>
<tr>
<td>WARRANTY: 5 Years</td>
<td></td>
</tr>
</tbody>
</table>

**PRODUCT FEATURES**
- Dimmable via TRIAC Dimmers (Forward Phase Control)
- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20°C/-4°F to 45°C/113°F
- Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Improved Lamp Durability with Shatterproof Coated Glass
- ETL Sanitation Listed NSF/ANSI Standard 2 - Food Equipment

**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>120Vac</td>
<td>18W</td>
<td>&gt;0.9</td>
<td>0.15A @ 120V</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>1900 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>106 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240°</td>
</tr>
<tr>
<td>Visible Light Area</td>
<td>325°</td>
</tr>
</tbody>
</table>

**RATED LIFE**

| L70 (Hours) | 50,000 |

**SPECTRAL 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)

 последние изменения включают обновление данных, последние изменения 8.26.15

Keystone Technologies • 208 Progress Drive, Montgomeryville, PA 18936 • Phone (800) 464-2680 • Fax (888) 966-0556 • www.keystonelamp.com
WIRING DIAGRAMS

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

Typical Ballast Configurations:

- **PROGRAM START**
  - Lamp
  - Lamp
  - Ballast

- **PREHEAT WITH STARTER**
  - Lamp
  - Lamp
  - Ballast

- **INSTANT START**
  - Lamp
  - Lamp
  - Ballast

2. Re-wire fixture as shown below (maximum of 4 LED tubes per fixture).

   ![Diagram of Direct Drive LED Tubes](image)

   Connect wires directly to these terminals

   **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.

PHYSICAL CHARACTERISTICS

LAMP DIMENSIONS

| A (Illuminated Length) | 44.38” |
| B (Body Length) | 47.15” |
| C (Diameter) | 1.10” |

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-LED18T8-48GC-840-D-FDIM-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
<tr>
<td>KT-LED18T8-48GC-840-D-FDIM-DP</td>
<td>Distributor Pack (Individual Cartons)</td>
<td>12</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

CATALOG NUMBER BREAKDOWN

KT-LED18T8-48GC-840-D-FDIM-CP