KT-LED12.5T8-48GC-850-D
T8 LED LAMP

DESCRIPTION
12.5W T8 LED | 5000K | >83 CRI | High Efficiency

| LAMP TYPE: Linear |
| BULB TYPE: T8 LED |
| BASE TYPE: G13 (Medium Bi-Pin) |
| WATTAGE: ~12.5W |
| COLOR TEMPERATURE: 5000K |
| COLOR RENDERING INDEX (CRI): >83 |
| WARRANTY: 5 Years |

PRODUCT FEATURES
- Replacement for Conventional Fluorescent Lamp
- Listed on DLC Qualified Product List
- 50,000+ Hour Lifetime
- Approximately 50% More Energy Efficient than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Startup
- Frosted Lens Eliminates Pixelation
- UL Classified

OPERATING SPECIFICATIONS
<table>
<thead>
<tr>
<th>ELECTRICAL CHARACTERISTICS</th>
<th>POWER FACTOR</th>
<th>INPUT CURRENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Voltage</td>
<td>~12.5W</td>
<td>0.12A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td>0.05A @ 277V</td>
</tr>
</tbody>
</table>

RATED LIFE
| L70 (Hours) | 50,000 |

PHOTOMETRIC CHARACTERISTICS
<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1850 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>139 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240º</td>
</tr>
<tr>
<td>Visible Light Area</td>
<td>325º</td>
</tr>
</tbody>
</table>

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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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

(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.

2. Re-wire fixture as shown below.

**WIRING DIAGRAMS**

Typical Non-Shunted Lampholder

CONNECT WIRE TO THESE TERMINALS

**CAUTION:** INSTANT START BALLAST WITH SHUNTED SOCKETS.

SPECIFICATIONS

**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<table>
<thead>
<tr>
<th>A (Illuminated Length)</th>
<th>44.38”</th>
</tr>
</thead>
<tbody>
<tr>
<td>B (Body Length)</td>
<td>47.15”</td>
</tr>
<tr>
<td>C (Diameter)</td>
<td>1.10”</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-LED12.5T8-48GC-850-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

KT-LED12.5T8-48GC-850-D-CP

Keystone Technologies
Led Lamp
Wattage
Lamp Type
Nominal Length (Inches)
Shatter-Proof 800 Series Coated Glass
Color Temp.
Direct Drive Series
Packaging Style

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 12.13.17