KT-LED10.5T8-48G-850-D
T8 LED LAMP

DESCRIPTION
10.5W T8 LED | 5000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 10.5W
COLOR TEMPERATURE: 5000K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years

PRODUCT FEATURES
• Replacement for Conventional Fluorescent Lamp
• 50,000+ Hour Lifetime
• Approximately 40% More Energy Efficient than Standard F32T8 Lamps
• Environmentally Friendly: No Mercury Used
• UL Classified
• Operating Temperature: -20°C/-4°F to 45°C/113°F

• Listed on DLC Qualified Product List
• Integral Driver (Isolated), Eliminates the Need for External Driver or Ballast
• 100+ Lumens per Watt
• Instant Startup
• Frosted Lens Eliminates Pixelation

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>10.5W</td>
<td>&gt;0.9</td>
<td>0.09A @ 120V, 0.04A @ 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>1750 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>162 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

Flux (W/nm)

Flux (W/nm) vs. Wavelength (nm)

1. Violet Vertical Plane through Horizontal Angles (90-270)
2. Green Vertical Plane through Horizontal Angles (0-180)

POLAR CANDELA DISTRIBUTION

Maximum Candela = 1248.55
Located at Horizontal Angle = 0, Vertical Angle 0

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 1.23.18
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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
  - LAMP
  - BALLAST
  - LINE
  - NEUTRAL
  - RED
  - BLUE
  - YELLOW

- **PREHEAT WITH STARTER**
  - LAMP
  - S
  - LAMP
  - BALLAST
  - BALLAST
  - LINE
  - NEUTRAL
  - BLACK
  - RED
  - BLUE

- **INSTANT START**
  - LAMP
  - LAMP
  - BALLAST
  - BALLAST
  - LINE
  - NEUTRAL
  - RED
  - BLUE
  - YELLOW

**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.

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**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)

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**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-LED10.5T8-48G-850-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

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**CATALOG NUMBER BREAKDOWN**

**KT-LED10.5T8-48G-850-D-CP**

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

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