DESCRIPTION
10.5W T8 LED | 3000K | >83 CRI | High-Efficiency

- LAMP TYPE: Linear
- BULB TYPE: T8 LED
- BASE TYPE: G13 (Medium Bi-Pin)
- WATTAGE: 10.5W
- COLOR TEMPERATURE: 3000K
- 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: –20ºC/–4ºF to 45ºC/113ºF
- Integral driver (isolated), eliminates the need for external driver or ballast
- >100 Lumens per Watt
- Instant startup
- Frosted lens eliminates pixelation
- Improved lamp durability with shatterproof coated glass, designed to pass drop tests of 6’ on hard surface
- NSF listed: NSF/ANSI Standard 2 – Food Equipment,
- Splash zone (not for direct food zone without additional fixture considerations)

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>0.094A @ 120V</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.040A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>3000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>1650 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>152 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>

RATED LIFE

L70 (Hours) 50,000

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)
WIRING DIAGRAMS

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

2. Re-wire fixture as shown below.

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**TYPICAL BALLAST CONFIGURATIONS**

**PROGRAM START**

**PREHEAT WITH STARTER**

**INSTANT START**

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**TYPICAL NON-SHUNTED LAMPHOLDER**

Connect wires directly to these terminals.

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**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.

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**PHYSICAL CHARACTERISTICS**

**LAMP DIMENSIONS**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A (Illuminated Length)</td>
<td>44.38&quot;</td>
</tr>
<tr>
<td>B (Body Length)</td>
<td>47.15&quot;</td>
</tr>
<tr>
<td>C (Diameter)</td>
<td>1.10&quot;</td>
</tr>
</tbody>
</table>

**NOMINAL LENGTH:** 48"

**BASE TYPE:** G13 (Medium Bi-Pin)
KT-LED10.5T8-48GC-830-D
T8 LED LAMP

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-LED10.5T8-48GC-830-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

CATALOG NUMBER BREAKDOWN

KT-LED10.5T8-48GC-830-D-CP

1 Keystone Technologies
2 LED Lamp
3 Wattage
4 Lamp Type
5 Nominal Length (Inches)
6 Shatterproof Coated Glass
7 800 Series
8 Color Temperature
9 Direct-Drive Series
10 Packaging Style