KT-LED7T8-18G-865-D
T8 LED LAMP

DESCRIPTION
7W T8 LED | 6500K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 7W
COLOR TEMPERATURE: 6500K
COLOR RENDERING INDEX (CRI): >83
WARRANTY: 5 Years

PRODUCT FEATURES
• Replacement for Conventional Fluorescent Lamp
• 50,000+ Hour Lifetime
• Environmentally Friendly: No Mercury Used
• Instant Startup
• Frosted Lens Eliminates Pixelation
• UL Classified

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>7W</td>
<td>&gt;0.9</td>
<td>0.06A @ 120V 0.03A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>6500K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>800 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>114 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240°</td>
</tr>
<tr>
<td>LED Quantity</td>
<td>40</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.

**Typical Ballast Configurations:**

- **PROGRAM START**
- **PREHEAT WITH STARTER**
- **INSTANT START**

2. Re-wire fixture as shown below.

**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) | 14.24" |
| B (Body Length) | 17.12" |
| C (Diameter) | 1.10" |

**Nominal Length:** 18”  **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-LED7T8-18G-865-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
<td>25</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

**CATALOG NUMBER BREAKDOWN**

**KT-LED7T8-18G-865-D-CP**

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