KT-LED7T8-18G-830-D
T8 LED LAMP

DESCRIPTION
7W T8 LED | 3000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 7W
COLOR TEMPERATURE: 3000K
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</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.03A @ 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>700 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;83</td>
</tr>
<tr>
<td>Efficacy</td>
<td>100 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>240º</td>
</tr>
<tr>
<td>LED Quantity</td>
<td>40</td>
</tr>
</tbody>
</table>

RATED LIFE

| L70 (Hours) | 50,000 |

SPECTRAL DISTRIBUTION

Flux (W/nm)

Flux (W/µm)

Wavelength (nm)

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**

**PREHEAT WITH STARTER**

**INSTANT START**

2. Re-wire fixture as shown below.

WIRING DIAGRAMS Fig.

**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>
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<tbody>
<tr>
<td>KT-LED7T8-18G-830-D-CP</td>
<td>Carton Pack (Egg Crate Packaging)</td>
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<td>Quick Ship</td>
</tr>
</tbody>
</table>

CATALOG NUMBER BREAKDOWN

KT-LED7T8-18G-830-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