KT-LED7T8-18GC-850-D
T8 LED LAMP

DESCRIPTION
7W T8 LED | 5000K | >83 CRI | High Efficiency

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 7W
COLOR TEMPERATURE: 5000K
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>

RATED LIFE

| L70 (Hours) | 50,000 |

PHOTOMETRIC CHARACTERISTICS

| Color Temperature (CCT) | 5000K |
| Luminous Flux           | 800 lm |
| Color Rendering Index (CRI) | >83 |
| Efficacy                | 114 lm/W |
| Beam Angle              | 240° |
| Visible Light Area      | 325° |

SPECTRAL 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**
  - LAMP
  - BALLAST
  - LINE
  - NEUTRAL

- **PREHEAT WITH STARTER**
  - LAMP
  - BALLAST
  - LINE
  - NEUTRAL

- **INSTANT START**
  - LAMP
  - BALLAST
  - LINE
  - NEUTRAL

2. Re-wire fixture as shown below.

![Wiring Diagrams](image)

**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**

- **A (Illuminated Length):** 14.24”
- **B (Body Length):** 17.12”
- **C (Diameter):** 1.10”

**NOMINAL LENGTH:** 18”  **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>
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<tbody>
<tr>
<td>KT-LED7T8-18GC-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-LED7T8-18GC-850-D-CP

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

Keystone Technologies • Philadelphia, PA • Phone (800) 464-2680 • www.keystonelamp.com

Specifications subject to change. Last revised on 11.15.19