DESCRIPTION

25W T8 LED 4000K >80 CRI High-Efficiency 18-Foot

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: Fa8 (Single-Pin)
WATTAGE: 25W
COLOR TEMPERATURE: 4000K
COLOR RENDERING INDEX (CRI): > 80
WARRANTY: 5 Years

PRODUCT FEATURES

• Replacement for conventional T8/T12 8-foot, single-pin fluorescent lamp
• Double-ended line voltage wiring: Connect power to each end for simplified installation
• 50,000+ hour lifetime
• Approximately 50% more energy efficient than standard F96T12 lamps
• Environmentally friendly: No mercury used
• NSF listed: NSF/ANSI Standard 2: Food equipment, splash zone (component level—not for direct food zone without additional fixture considerations)
• Includes 2 C-clips to be installed with the lamps into the fixture ballast cover to prevent any potential undesired lamp twisting or sagging
• Frosted lens eliminates pixelation
• UL classified
• Operating temperature: –20°C/–4°F to 55°C/131°F
• Integral driver (isolated): Eliminates the need for external driver or ballast
• 120+ lumens per Watt
• Instant startup

OPERATING SPECIFICATIONS

ELECTRICAL CHARACTERISTICS

Input Voltage | Power Consumption | Power Factor | Input Current
-------------|------------------|--------------|---------------
120–277Vac   | 25W              | >0.9         | 0.21A @ 120V 0.09A @ 277V

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>Luminous Flux</th>
<th>Color Rendering Index (CRI)</th>
<th>Efficacy</th>
<th>Beam Angle</th>
</tr>
</thead>
<tbody>
<tr>
<td>4000K</td>
<td>3450 lm</td>
<td>&gt;80</td>
<td>138 lm/W</td>
<td>325º</td>
</tr>
</tbody>
</table>

POLAR CANDELA DISTRIBUTION

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 INSTRUCTIONS

1. Identify ballast configuration as shown below and cut all wires connected to the ballast accordingly.

Typical Ballast Configurations

- **ELECTRONIC**
  - Lamp
  - Lamp
  - Ballast
  - White (Neutral)
  - Black (Line)
  - Red
  - Blue

- **MAGNETIC 120V**
  - Lamp
  - Lamp
  - Ballast
  - White
  - Black
  - White (Neutral)
  - Blue

- **MAGNETIC 277V**
  - Lamp
  - Lamp
  - Ballast
  - White
  - Yellow
  - Black
  - Red
  - Blue

2. Confirm that the lampholders in the fixture are single-pin Fa8 lampholders. These DirectDrive LED tubes require single-pin Fa8 lampholders.

3. Rewire the fixture using existing lampholders, as shown below, according to the original ballast wiring configuration.

Typical Rewiring Configurations

- **ELECTRONIC**
  - Lamp
  - Lamp
  - Ballast
  - White (Neutral)
  - Black (Line)
  - Red
  - Blue

- **MAGNETIC 120V**
  - Lamp
  - Lamp
  - Ballast
  - White
  - White (Neutral)
  - Blue

- **MAGNETIC 277V**
  - Lamp
  - Lamp
  - Ballast
  - White
  - Yellow
  - Black
  - Red
  - Blue

PHYSICAL CHARACTERISTICS

**LAMP DIMENSIONS**

- A (Body Length) 93.31”
- B (Illuminated Length) 91.50”
- C (Cross-section: Width × Height) 1.08” × 1.31”

**NOMINAL LENGTH:** 96”

**BASE TYPE:** Fa8 (Single-Pin)
**KT-LED25T8-96G-840-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-LED25T8-96G-840-D-CP</td>
<td>Contractor Pack (Individual Cartons)</td>
<td>10</td>
<td>Quick Ship</td>
</tr>
</tbody>
</table>

### CATALOG NUMBER BREAKDOWN

**KT-LED25T8-96G-840-D-CP**

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