DESCRIPTION

0-10V Dimmable DirectDrive T8 LED Tube | 5000K | >80 CRI | 120-277V Input

LAMP TYPE: Linear
BULB TYPE: T8 LED
BASE TYPE: G13 (Medium Bi-Pin)
WATTAGE: 18W
COLOR TEMPERATURE: 5000K
DIMMING TYPE: 0-10V
WARRANTY: 5 Years

PRODUCT FEATURES

- Dimmable Via 0-10V Dimming Controls
- Replacement for Conventional Fluorescent Lamp
- 50,000+ Hour Lifetime
- Approximately 40% More Energy Efficient Than Standard F32T8 Lamps
- Environmentally Friendly: No Mercury Used
- Instant Start Up
- Frosted Lens Eliminates Pixelation
- UL Classified
- Operating Temperature: -20ºC/-4ºF to 55ºC/131ºF
- Integral Driver (Non-Isolated), Eliminates the Need for External Driver or Ballast
- 100+ Lumens per Watt
- Plastic/Aluminum Construction

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>18W</td>
<td>&gt;0.9</td>
<td>0.15A @ 120V 0.07A @ 277V</td>
</tr>
</tbody>
</table>

PHOTOMETRIC CHARACTERISTICS

<table>
<thead>
<tr>
<th>Color Temperature (CCT)</th>
<th>5000K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luminous Flux</td>
<td>2100 lm</td>
</tr>
<tr>
<td>Color Rendering Index (CRI)</td>
<td>&gt;80</td>
</tr>
<tr>
<td>Efficacy</td>
<td>117 lm/W</td>
</tr>
<tr>
<td>Beam Angle</td>
<td>120º</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)
KT-LED18T8-48P-850-D-VDIM
DIMMABLE T8 LED LAMP

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

   CAUTION: INSTANT START BALLAST WITH SHUNTED SOCKETS.

2. Re-wire fixture as shown below.

PHYSICAL CHARACTERISTICS
LAMP DIMENSIONS

A (Illuminated Length)  45.70"
B (Body Length)         47.15"
C (Cross Section: Width x Height)  1.08" x 1.25"

NOMINAL LENGTH: 48"  BASE TYPE: G13 (Medium Bi-Pin)

ORDERING INFORMATION

ORDER CODE       PACKAGING STYLE                  PACK QTY.  ITEM STATUS
KT-LED18T8-48P-850-D-VDIM-CP Carton Pack (Egg Crate Packaging)  20  Quick Ship
KT-LED18T8-48P-850-D-VDIM-DP Distributor Pack (Individual Cartons)  20  Quick Ship

CATALOG NUMBER BREAKDOWN

KT-LED18T8-48P-850-D VDIM-CP

Keystone Technologies  LED Lamp  Wattage  Lamp Type  Nominal Length (Inches)  Plastic/Alum. Case  800 Series  Color Temp.  Direct Drive Series  0-10 V Dimming  Packaging Style

Specifications subject to change. Last revised on 6.13.17