THE HIGH PERFORMANCE

Fluorescent Tube Replacement Series for Office, School, and General Locations

KEY FEATURES INCLUDE:

1. **Multiple Color Options**
   - Ensure that the new lighting will match your current aesthetics, and allows for custom color options.

2. **Long Lasting LED Chips**
   - L90 in excess of 100kHrs

3. **5 Year Warranty**
   - 5 Year Warranty on all LED and external drivers (10 yr product is available, consult factory).

4. **High Color Rendering**
   - Colors are enhanced due to the use of LEDs selected directly on the black body curve.

5. **Manufactured in America**
   - With domestic and imported components. Factory: Southeastern PA. Higher quality control, faster delivery times, and new domestic job creation.

6. **Independent Class II Driver**
   - Safety, improved thermal management, and extended lifetime are gained by locating the driver remote from the LEDs.
LENTH OPTIONS:
2’ & 4’ – standard

OUTPUT WATTAGE (See table below)

COLOR OPTIONS:
3500K and 4000K, standard
CRI – 85
DIMMING – standard

### Specification Table

<table>
<thead>
<tr>
<th>Environmental</th>
<th>Suitable for Damp Locations up to IP21 per EN60529 -25°F to 104°F(-31°C to 40°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Operation</td>
<td>See table below⁹</td>
</tr>
<tr>
<td>Wattage</td>
<td>See table below⁹</td>
</tr>
<tr>
<td>Input Voltage (nominal)</td>
<td>100-277VAC 50/60Hz .5-.A</td>
</tr>
<tr>
<td>Power Factor (PF)</td>
<td>&gt;0.9</td>
</tr>
<tr>
<td>Total Harmonic Distortion (ATHD)</td>
<td>&lt;20%</td>
</tr>
<tr>
<td>Life Time</td>
<td>&gt;100khrs Projected L70(6k) &gt; 900kHrs¹⁴ Projected L90(6k) &gt; 250kHrs¹⁴ Reported L70(6k) &gt; 36kHrs &gt;100kHr</td>
</tr>
<tr>
<td>Rated Life-LEDs per TM-21</td>
<td>&gt;100khrs Projected L70(6k) &gt; 900kHrs¹⁴ Projected L90(6k) &gt; 250kHrs¹⁴ Reported L70(6k) &gt; 36kHrs &gt;100kHr</td>
</tr>
<tr>
<td>LED Driver Lifetime</td>
<td>&gt;100kHr</td>
</tr>
<tr>
<td>LM80 Data</td>
<td>NVLap Accreditation</td>
</tr>
<tr>
<td>LED Type</td>
<td>SMD 2835</td>
</tr>
<tr>
<td>Efficiency (some models)</td>
<td>&gt;150lm/W (See table below)¹¹</td>
</tr>
<tr>
<td>Certifications</td>
<td>cULus, FCC</td>
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<tr>
<td>Warranty¹³</td>
<td>LED Driver – 5yr LED – 5yr</td>
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<tr>
<td>Dimming</td>
<td>&lt;20%-100% 0-10V</td>
</tr>
<tr>
<td>Off State Power Consumption</td>
<td>0 Watts</td>
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<tr>
<td>On State</td>
<td>Instantaneous</td>
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### Package Information

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<tr>
<th>Standard Package</th>
<th>Case</th>
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<tbody>
<tr>
<td>Quantity</td>
<td>1</td>
</tr>
<tr>
<td>Sales Units</td>
<td>1 to 5</td>
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<tr>
<td>Package Items</td>
<td>10 Strips, Drivers, installation kit</td>
</tr>
<tr>
<td>Weight lbs(kg)</td>
<td>TBD</td>
</tr>
</tbody>
</table>
LED STRIP KIT

ANSI Color Bin
- 35K = 3500K, 40K = 4000K
- 50K = 5000K

Options
(consult factory)

Wattage
(See table below)

Length
- 2 = 2'
- 4 = 4'

LED Strips
- 1 = 1 Strip
- 2 = 2 Strips
- 3 = 3 Strips
- 4 = 4 Strips

Length (ft) | Strip Wattage (W) | Lumens @50K (-12%/to 27K) |
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<tr>
<td></td>
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</tr>
<tr>
<td>2</td>
<td>08</td>
<td>1200</td>
</tr>
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<td>23</td>
<td>3350</td>
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</table>

Circuit

Single Strip w/LED Driver

Dual Strip w/LED Driver

Multi Strip w/LED Driver

Quad Strip w/LED Driver
Notes

1. Not all model combinations are available
2. MBTF per MIL-HDBK-217F
3. Extended lead times and minimums maybe required for some models
4. N/A
5. Other ANSI Color bins available
6. Operation to -40°F/-40°C is available
7. N/A
8. Extended warranties are available
9. Varies depending on color temperature and LED driver
10. N/A
11. Specifications and availability subject to change without notice
12. EPAct -179d tax incentive ready product given dimming bi-level switching requirements
13. N/A.
14. Worst case temperature for SK2-416 @25°C ambient, insitu.
15. Consult website for further details.

Compliance Standards

UL 1993 - Self-Ballasted Lamps and Lamp Adapters, Ed. 4: 2012
UL 1598 - Luminaires
UL 1598C - Light-Emitting Diode (LED) Retrofit Luminaire Conversion Kits
CSA C22.2 No. 250.13 - Light emitting diode (LED) equipment for lighting applications, Ed. 1222012
EN 50015:2006 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
EN 61000-3-2:2006 - Electromagnetic compatibility (EMC). Limits. Limits for harmonic current emissions
EN 61000-3-3:2008 - Electromagnetic compatibility (EMC). Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems
EN 61547:2009 - Equipment for general lighting purposes. EMC immunity requirements
FCC Part 15, Subpart B, Class B
IEC 60529-2004 - Degrees of Protection Provided by Enclosures (IP Code)

Mechanical

2’

4’