GT1™ LED Countdown Pedestrian Signals

16 x 18 inch

Excellent Appearance & Visibility

- Robust LED system design enables high luminous intensity over product life cycle
- Efficient optical system minimizes power consumption while providing excellent uniformity and viewing angles
- New! Single piece transparent front window with internal masking to prevent:
  - countdown and icons display from being readily visible when not in operation
  - scratches and abrasions compared with external silk screen technology
- Bright and clear icons
- New or retrofit use
- Fully uniform look

Outstanding Reliability & Robust Operation

- Internal conflict monitor preventing walk and don't walk indications to light up at the same time
- Individual power supply drives each display to ensure proper indication
- Over-molded electrical connectors providing moisture and dust protection

Meets Rigorous Certification & Testing Standards

- Intertek ETL Verified compliant
- EPACT 2005 compliant
- Using MIL-STD-810F and NEMA 250-1991 Type 4 for environmental robustness, passed reliability and qualification testing including high temperature, high humidity cycling (HTHH for 1,000 hours)
- Designed to meet Caltrans Draft Specifications dated Dec. 2008
- Production quality compliant to GE Six Sigma requirements
- Compliant (for Full Hand/Full Person) with the ITE PTCSI LED Signal Modules - Draft version dated Feb. 2009
GT1™ LED Pedestrian Signals

• 16 x 18 inch module

Mechanical Outline
Dimensions in inches. (mm) indicates metric equivalent

Design Compliance

<table>
<thead>
<tr>
<th>Test type</th>
<th>Compliance</th>
</tr>
</thead>
</table>
| Luminous intensity, Uniformity & Viewing Angles | A: ITE PTCSI LED Signal Modules  
Draft version of Feb. 2009  
B: Caltrans Specifications  
Draft version of Dec. 2008 |
| Chromaticity                                   | ITE PTCSI LED Signal Modules  
Draft version of Feb. 2009 |
| Moisture Resistance                            | MIL-STD-810F Procedure 1, Rain & Blowing Rain |
| Electronic Noise                               | FCC Title 47 Sec 15 Sub. B^2                   |
| Transient Voltage Protection                   | Sec. 2.1.6 NEMA TS 2-2003  
Sec. 2.1.8 NEMA TS 2-2003 |
| Controller Compatibility                      | NEMA TS-2-2003                                  |
| Transient Suppression                          | Sec. 8.2 IEC 1000-4-5 & Sec. 6.1.2 ANSI/IEEE  
C62.41.2 - 2002, 3KV, 2 Ω  
Sec. 8.0 IEC 1000-4-12 & Sec. 6.1.1 ANSI/IEEE  
C62.41.2 - 2002, 6KV, 30 Ω |
| Wiring                                         | NFPA 70, National Electric Code                |
| Digits                                         | MUTCD 2003, Section 4E.07, Countdown Numbers  
Minimum 9” Height & 7” Width |

Operating Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Temperature Range*</td>
<td>-40 to +74°C (-40 to +165°F)</td>
</tr>
<tr>
<td>Operating Voltage Range</td>
<td>80 to 135 V (60Hz AC)</td>
</tr>
<tr>
<td>Power Factor (PF)</td>
<td>&gt; 90 %</td>
</tr>
<tr>
<td>Total Harmonic Distortion (THD)</td>
<td>&lt; 20 %</td>
</tr>
<tr>
<td>Voltage Turn-Off (VTO)</td>
<td>35 V</td>
</tr>
<tr>
<td>Start-up Time</td>
<td>&lt; 75msec</td>
</tr>
<tr>
<td>Lens &amp; Shell Material</td>
<td>UV Stabilized Polycarbonate</td>
</tr>
<tr>
<td>Wiring</td>
<td>16 AWG, Color Coded with Strain Relief</td>
</tr>
</tbody>
</table>
| LED Color                  | Hand: Portland Orange  
Person: Lunar White |
| Default Mode               | Hand only                                   |

*Performed in compliance with ITE test method described in the technical notes

Product Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Dimensions</th>
<th>Layout</th>
<th>Symbol</th>
<th>AC Voltage</th>
<th>Power (W)</th>
<th>Beam Pattern Degrees</th>
<th>Minimum Luminous Intensity Cd/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>PS7-CFF1-26A-J^3^</td>
<td>16 x 18 in</td>
<td>Overlay Full</td>
<td>Full</td>
<td>Nominal 120V - 60Hz</td>
<td>11 8 6</td>
<td>26</td>
<td>1400 2200</td>
</tr>
<tr>
<td>PS7-CFF1-46A-J^3^</td>
<td>16 x 18 in</td>
<td>Countdown Full</td>
<td>Full</td>
<td>Nominal 120V - 60Hz</td>
<td>11 8 9</td>
<td>18</td>
<td>3750 5300</td>
</tr>
</tbody>
</table>

^1 Class A
^3 ITE PTCSI LED Signal Modules - Draft version of Feb. 2009
^4 Full MUTCD Compliance

Test Condition: T_a = 25˚C. All values are design or typical values when measured under laboratory conditions.

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