GE Lighting Solutions

VLA Model LED Signal Modules
8 and 12 inch
Incandescent look (120V)

Robust Features
- Optimal thermal management for longer life.
- Provides performance under extreme field temperature conditions.

Innovative Design
- Low profile module permits efficient installation into existing traffic housings.
- Power consumption levels allow compatibility with most controllers.
- Mask compatible to fit your unique signaling needs.*

Outstanding Performance
- High-brightness central light source and custom optical lensing distribute light uniformly and efficiently.
- Rigorously tested for long life design and low maintenance costs.
- Excellent color uniformity.

Meets Rigorous Certification & Testing Standards
- Intertek ETL Verified compliant.
- Compliant with ITE VTCSH LED Circular Signal Supplement dated June 27th 2005.
- CSA version available.

* Sold separately. Refer to masks datasheet TRAF208.
VLA Model LED Signal Modules

• 8 and 12 inch

Mechanical Outline

Dimensions in inches (mm)

8 inch

12 inch

Design Compliance

Test type

Compliance

Luminous Intensity

ITE VTCSSH-LED Circular Signal Supplement - June 2005

Chromaticity

ITE VTCSSH-LED Circular - June 2005

Moisture Resistance

Blown Wind Rain MIL-STD-810F method 506.4

Mechanical Vibration


Electronic Noise

FCC Title 47 Sub. B Sec 15

Transient Voltage Protection

Sec. 2.1.6 NEMA TS2-2003, 300V, 2500W

Sec. 2.1.8 NEMA TS2-2003, 1KV, 2Ω

Controller Compatibility

ITE VTCSSH-LED Circular Signal Supplement - June 2005

Wiring

NFPA 70, National Electric Code

Transient Suppression

Sec. 8.2 IEC 61000-4-5 & Sec. 6.1.2 ANSI/IEEE C62.41.2 - 2002, 3KV, 2Ω

Sec. 8.0 IEC 61000-4-12 & Sec. 6.1.1 ANSI/IEEE C62.41.2 - 2002, 6KV, 30Ω

Operating Specifications

Parameter

Rating

Operating Temperature Range*

-40 to +74°C (-40 to +165°F)

Operating Voltage Range

80 to 135 V (60Hz AC)

Power Factor (PF)

> 90%

Total Harmonic Distortion (THD)

< 20%

Minimum Voltage Turn-Off (VTO)

35 V

Turn-On / Turn-Off Time

< 50 ms

Lens & Shell Material

UV Stabilized Polycarbonate

Wiring

8in lamp: 40 in, 18 AWG, Color Coded with Strain Relief

12in lamp: 40 in, 20 AWG, Color Coded with Strain Relief

* Operating Temperature Range per ITE 2005, Section 3.3.2

Product Information

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Front Shell</th>
<th>Size (in)</th>
<th>AC Voltage Nominal</th>
<th>Power (W) Nominal</th>
<th>Wavelength (nm) nominal</th>
<th>Maintained Intensity (Cd) Minimum</th>
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<td>Tinted</td>
<td>8</td>
<td>120V - 60Hz</td>
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