**GTX™**
**LED Signal Modules**

8 and 12 inch
Incandescent look (120V)

Current’s 14th generation of LED signal, leveraging 15 years of experience & over 6,000,000 units sold worldwide

**OUTSTANDING PERFORMANCE**

- Consumes up to 15% less power than Current’s previous signal generation.
- Intelligent controller measures usage and temperature. Will automatically adjust to compensate for light output degradation over time.
- Over-molded electrical connectors prevent water wicking through wires.

**MAXIMUM FLEXIBILITY**

- New micro-controlled power supply is packed with advanced functionality that can be unlocked and customized to fit your specific needs.
- Low profile module permits efficient installation into existing traffic housings.
- Power consumption levels allow compatibility with most controllers.
- Offers multiple dimming configurations for ultimate customization.
- Mask compatible to fit your unique signaling needs.

**MEETS RIGOROUS CERTIFICATION & TESTING STANDARDS**

- Compliant with ITE VTCSH LED Circular Signal Supplement dated June 27th 2005.
- CSA approved.

* Sold separately. Refer to masks datasheet TRAF208.
** Customer controller and load switch compatibility testing may be required. Please contact your Current representative for details.
***Sold separately. Refer to masks datasheet TRAF208.
**GTX™ LED Signal Modules**

8 and 12 inch

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**Mechanical Outline**

Dimensions in inches. (mm) indicates metric equivalent

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**Test type** | **Compliance**
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Luminous Intensity | ITE VTCSH-LED Circular Signal Supplement-June 2005
Chromaticity | ITE VTCSH-LED Circular-June 2005
Moisture Resistance | Blown Wind Rain MIL-STD-810F-method 506.4
Electronic Noise | FCC Title 47 Sub. B Sec 15¹
Transient Voltage Protection | Sec. 2.1.6 NEMA TS2-2003, 300V, 2500W
| Sec. 2.1.6 NEMA TS2-2003, 600V, 10μF
| Sec. 2.1.8 NEMA TS2-2003, 1kV, 2Ω
Controller Compatibility | ITE VTCSH-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

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**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>Minimum Voltage Turn-Off (VTO)</td>
<td>35 V</td>
</tr>
<tr>
<td>Turn-On/Turn-Off Time</td>
<td>&lt; 50 ms</td>
</tr>
<tr>
<td>Lens &amp; Shell Material</td>
<td>UV Stabilized Polycarbonate</td>
</tr>
<tr>
<td>Wiring</td>
<td>40 in, 18 AWG, Color Coded with Strain Relief</td>
</tr>
<tr>
<td>Dimming Option²</td>
<td>As per Section 5.8 of ITE VTCSH-LED Circular Signal Supplement-June 2005</td>
</tr>
</tbody>
</table>

* Operating Temperature Range per ITE 2005, Section 3.3.2

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**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) Minimum²</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR4-RTFB-77A</td>
<td>Tinted</td>
<td>8</td>
<td>120V - 60Hz</td>
<td>6.3</td>
<td>626</td>
<td>165</td>
</tr>
<tr>
<td>DR4-RCFB-77A</td>
<td>Clear</td>
<td>8</td>
<td>120V - 60Hz</td>
<td>9.5</td>
<td>589</td>
<td>410</td>
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<tr>
<td>DR4-YTFB-77A</td>
<td>Tinted</td>
<td>8</td>
<td>120V - 60Hz</td>
<td>6.5</td>
<td>503</td>
<td>215</td>
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<tr>
<td>DR4-GCFB-77A</td>
<td>Clear</td>
<td>8</td>
<td>120V - 60Hz</td>
<td>6.7</td>
<td>625</td>
<td>365</td>
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<tr>
<td>DR4-RTFB-77A</td>
<td>Tinted</td>
<td>12</td>
<td>120V - 60Hz</td>
<td>10.5</td>
<td>589</td>
<td>910</td>
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<tr>
<td>DR6-RCFB-77A</td>
<td>Clear</td>
<td>12</td>
<td>120V - 60Hz</td>
<td>9.1</td>
<td>502</td>
<td>475</td>
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<tr>
<td>DR6-GCFB-77A</td>
<td>Clear</td>
<td>12</td>
<td>120V - 60Hz</td>
<td>10.4</td>
<td>264</td>
<td>110</td>
</tr>
</tbody>
</table>

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Distributed by:

Standard product equipped with universal connectors (insulated spade-quick disconnect). All lamps available in tinted or clear lens.

1 Class A

2 Customer controller and load switch compatibility testing may be required. Please contact your Current representative for details.

3 Power consumption for DR6-RTFB-77A, DR6-RCFB-77A, DR6-YTFB-77A, DR6-YCFB-77A, DR4-RTFB-77A, DR4-GCFB-77A and DR4-GCFB-77A could slightly increase over time to ensure light degradation compensation.

4 Measured at vertical angle of -2.5° and at horizontal angle of 0°.