48 VDC LED Signal Modules
48 VDC Low Power LED Traffic Signal Modules

Dialight’s new 48 VDC low power LED traffic signal modules have been designed for the next generation of traffic signal control. 48 VDC traffic control systems are relatively new and have been designed for use with LED traffic signal modules. Since the 48 VDC LEDs do not need to be backward compatible to older traffic control systems, it allows for the product to be designed more efficiently and offer power reductions of up to 40% vs. the current 120VAC products.

Features & Benefits
- Industry’s lowest power for all colors
- Meets or exceeds ITE intensity, color & uniformity specs, including 49°C / 74°C requirements at 48 VDC
- Temperature compensated power supplies for longer LED life
- Uniform appearance
- Expanded view radiation pattern suitable for span wire and steep grade applications
- Manufactured with anti-capillary wires
- Conformal coated power supply
- Secondary lens treatment for abrasion resistance
- Patent No. 7,281,818 and other patents pending
- All units operate at 36–60 VDC

8” / 12” LED Traffic Ball Signal Modules

UNIFORM APPEARANCE

<table>
<thead>
<tr>
<th>Color</th>
<th>Part Number Tinted Lens</th>
<th>Part Number Clear Lens</th>
<th>Dominant Wavelength (nm)</th>
<th>Typical Wattage at 25°C</th>
<th>Peak Minimum Maintained Luminous Intensity (cd)</th>
<th>Meets ITE VTCSH LED Circular Signal Supplement*</th>
</tr>
</thead>
<tbody>
<tr>
<td>8” Module</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Red</td>
<td>433-1110-009XL</td>
<td>433-1170-009XL</td>
<td>625</td>
<td>2</td>
<td>165</td>
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<tr>
<td>Yellow</td>
<td>433-3130-909XL</td>
<td>433-3170-909XL</td>
<td>590</td>
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<td>410</td>
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<tr>
<td>Green</td>
<td>433-2120-009XL</td>
<td>433-2170-009XL</td>
<td>500</td>
<td>4</td>
<td>215</td>
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</table>

12” Module

<table>
<thead>
<tr>
<th>Color</th>
<th>Part Number Tinted Lens</th>
<th>Part Number Clear Lens</th>
<th>Dominant Wavelength (nm)</th>
<th>Typical Wattage at 25°C</th>
<th>Peak Minimum Maintained Luminous Intensity (cd)</th>
<th>Meets ITE VTCSH LED Circular Signal Supplement*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>433-1210-009XL</td>
<td>433-1270-009XL</td>
<td>625</td>
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<td>365</td>
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<tr>
<td>Yellow</td>
<td>433-3230-909XL</td>
<td>433-3270-909XL</td>
<td>590</td>
<td>7</td>
<td>910</td>
<td>•</td>
</tr>
<tr>
<td>Green</td>
<td>433-2220-009XL</td>
<td>433-2270-009XL</td>
<td>500</td>
<td>4</td>
<td>475</td>
<td>•</td>
</tr>
</tbody>
</table>

* For color and intensity
Countdown Pedestrian Signals

Features & Benefits

- MUTCD compliant for countdown applications
- Meets or exceeds ITE intensity, color & uniformity spec, including 49°C/74°C requirements at 48 VDC
- Full preemption compatibility
- Up to 8 units can be connected in parallel without affecting the monitoring of the Hand/Person
- Manufactured with anti-capillary wires
- Reduced off state icon visibility results in increased pedestrian safety by eliminating the potential to misinterpret the signal
- Conformal coated power supply
- New improved one piece housing design
- Improved optical design to provide superior uniform appearance of the icons
- All units operate at 36–60 VDC

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Housing Size</th>
<th>Symbol Color</th>
<th>Typical Wattage at 25°C</th>
<th>Min. Luminance (cd/m²)</th>
<th>Meets ITE VTCSH LED Circular Signal Supplement*</th>
</tr>
</thead>
<tbody>
<tr>
<td>430-6479-009X</td>
<td>16 x 18</td>
<td>Portland Orange</td>
<td>Countdown 5</td>
<td>Hand 8</td>
<td>Person 5</td>
</tr>
</tbody>
</table>

* For color and intensity
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