SpectraLux™ Viper® S2 and Viper® S2
Interior Mount Warning Lights

**Features**

- Advanced Solaris® LED reflector technology
- Functional push button synchronization and control
- Versatile mounting brackets and snap-on flash guards included
- Full variety of high intensity LED colors to choose from
- New/innovative built-in warning patterns
- Stylish single-and-dual head models
- Choice of cigarette plug and synchronized models
- Extremely low amp draw
- Quietly meets EMI and RFI requirements

**Approvals**

**Viper S2**
- SAE J845, Class 1 (Blue, Red)
- SAE J845, Class 2 (Amber)
- SAE J595, Class 1 (Blue, Red)
- SAE J595, Class 2 (Amber)

**SpectraLux Viper S2**
- SAE J845, Class 1 (Blue, Red, White)
- SAE J845, Class 2 (Amber)
- SAE J595, Class 1 (Blue, Red, White)
- SAE J595, Class 2 (Amber)

Federal Signal’s SpectraLux™ Viper® S2 and Viper® S2 provide superior light output and the easy pattern synchronization advances lighting expectations to a higher plateau. Exceptional warning capability, multiple model configurations, versatile mounting and simple product functionality make the SpectraLux Viper S2 and Viper S2 stand out as the best internal warning light in the industry.

**Built-In Versatility**

The Viper S2 and SpectraLux Viper S2 are ideal for dash/deck, headliner, and window mount applications, but can be mounted almost anywhere inside the emergency vehicle. The housing is compact and made of lightweight polycarbonate which is safer in case of accident or air bag deployment. Mounting the Viper S2 and SpectraLux Viper S2 is made quick and versatile with a swivel type bail bracket and suction cups. Each unit comes equipped with a snap-on flash guard (no screws required) and reflective tape to help optimize forward LED light output. All models are shipped complete with flash guard, reflective tape, bracket and mounting hardware. Wire harness lengths are five feet long with synchronized units and nine feet long with cigarette plug units.
Reflective Light Output
Bold Blocks of light and superior off-axis reflection are achieved using advanced Solaris technology. Molded scalloped facets at the rear of the reflector direct LED light forward to form an impressive block of illumination. Two inboard side reflectors mirror high intensity LED light to the side producing wide-angle off axis warning. LED combinations include Amber, Blue, Red, and White.

Easy Push Button Pattern Selection and Multi-Head Synchronization
SpectraLux® Viper® S2 and Viper® S2 lights are available in single- or dual-head configurations and are available with a cigarette plug or wire leads that allow for synchronization. Synchronized units use an advanced two-phase wire technology that coordinates flash patterns between up to eight lights at once, and the light patterns can be set to work as either concurrent flash or opposite flash. The simple to use, multi-purpose push-button pattern switch is used to scroll forward and backward through patterns and also to synchronize the light heads.

Viper S2 single units have 23 patterns and dual units have 25 flash patterns. SpectraLux Viper S2 single units have 25-patterns and dual units have 37 flash patterns.

SpectraLux Viper S2
Federal Signal's popular Viper S2 interior warning light is available with SpectraLux multi-color LED capability that delivers dramatic light output and can be mounted almost anywhere inside the emergency vehicle. SpectraLux multicolor LED technology is available in combinations of Amber, Blue, Red, and White, and this technology provides the White LED “Takedown” feature. While still having the same design and build of the Viper S2, the advanced Solaris LED reflector combined with SpectraLux LED technology of the SpectraLux Viper S2 further enhances off-axis reflection, offers bolder blocks of light, and an intensified wide-angle off axis warning.

Comparison Table: The following table compares the Viper S2 and SpectraLux Viper S2

<table>
<thead>
<tr>
<th>Feature</th>
<th>Viper S2</th>
<th>SpectraLux Viper S2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solaris Technology</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>SpectraLux Technology</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Single and Dual Head models</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Single unit flash patterns</td>
<td>23</td>
<td>25</td>
</tr>
<tr>
<td>Dual unit flash patterns</td>
<td>25</td>
<td>37</td>
</tr>
<tr>
<td>LED combinations</td>
<td>Amber, Blue, Red</td>
<td>Amber, Blue, Red, White</td>
</tr>
<tr>
<td>Takedown feature</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Colors per light head</td>
<td>1 (8 LEDs per head)</td>
<td>2 or 3 (12 or 18 LEDs per head)</td>
</tr>
<tr>
<td>Versatile mounting with &quot;snap on&quot; flash guard included</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cigarette models available</td>
<td>Yes</td>
<td>Yes</td>
</tr>
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</table>
### Compliance Information

<table>
<thead>
<tr>
<th>Color</th>
<th>Lens Color</th>
<th>SAE J845 (Class)</th>
<th>SAE J595 (Class)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>Clear</td>
<td>1 85°</td>
<td>1</td>
</tr>
<tr>
<td>Red</td>
<td>Clear</td>
<td>1 100°</td>
<td>1</td>
</tr>
<tr>
<td>White</td>
<td>Clear</td>
<td>1 95°</td>
<td>1</td>
</tr>
<tr>
<td>Amber</td>
<td>Clear</td>
<td>2 115°</td>
<td>2</td>
</tr>
</tbody>
</table>

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Single Unit</th>
<th>Dual Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>12.8 VDC</td>
<td>12.8 VDC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>1.5A</td>
<td>2.2A</td>
</tr>
<tr>
<td>Operating temp</td>
<td>-30°C to +65°C</td>
<td>-30°C to +65°C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Physical Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Depth</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ship Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0 lb (0.45 kg)</td>
</tr>
</tbody>
</table>
Viper S2 Models

Single-head models with cigarette plug
- 329000-3 Blue
- 329000-4 Red

Single-head models with wire leads (synchronization capable)
- 329001-2 Amber
- 329001-3 Blue
- 329001-4 Red

Dual-head models with cigarette plug
- 329000-22 Amber/Amber
- 329000-33 Blue/Blue
- 329000-34 Blue/Red
- 329000-43 Red/Blue
- 329000-44 Red/Red

Dual-head models with wire leads (synchronization capable)
- 329001-32 Blue/Amber
- 329001-33 Blue/Blue
- 329001-34 Blue/Red
- 329001-43 Red/Blue
- 329001-44 Red/Red

SpectraLux Viper S2 Models

Dual-Color, Single-head models with wire leads
- 329152-RW Red/White
- 329152-RB Red/Blue
- 329152-BW Blue/White
- 329152-AW Amber/White
- 329152-BA Blue/Amber

Three-Color, Single-head models with wire leads
- 329153-RWB Red/White/Blue

Dual-Color, Single-head models with cigarette plug*
- 329102-RW Red/White
- 329102-RB Red/Blue
- 329102-BW Blue/White
- 329102-AW Amber/White

Optional Mounting Brackets for Viper S2 and SpectraLux Viper S2

- 350701-01 Bracket, rear deck brake light/dual, Crown Victoria
- 350701-02 Bracket, rear view mirror/headliner/single, Crown Victoria and Chevy Tahoe
- 350701-03 Bracket, rear view mirror/headliner/dual, Crown Victoria and Chevy Tahoe
- 350701-04 Bracket, rear view mirror/headliner/single, Ford Interceptor Sedan and Utility, 2013-16
- 350701-05 Bracket, rear view mirror/headliner/dual, Ford Interceptor Sedan and Utility, 2013-16
- 350701-06 Bracket, rear deck, single, Ford Interceptor Sedan and Utility, 2013-16
- 350701-07 Bracket, rear deck, dual Ford Interceptor Sedan and Utility, 2013-16

Dual-Color, Dual-head models with wire leads
- 329252-RWRW Red/White - Red/White
- 329252-RBRB Red/Blue - Red/Blue
- 329252-BWBW Blue/White - Blue/White
- 329252-AWAW Amber/White - Amber/White
- 329252-RWBW Red/White - Blue/White

Dual-Color, Dual-head models with cigarette plug*
- 329202-RWRW Red/White - Red/White
- 329202-RBRB Red/Blue - Red/Blue
- 329202-BWBW Blue/White - Blue/White
- 329202-AWAW Amber/White - Amber/White
- 329202-RWBW Red/White - Blue/White

Three-Color, Dual-head models with wire leads
- 329253-RWBRWB Red/White/Blue - Red/White/Blue

Dual-Color, Dual-head models with cigarette plug*
- 329202-RWRW Red/White - Red/White
- 329202-RBRB Red/Blue - Red/Blue
- 329202-BWBW Blue/White - Blue/White
- 329202-AWAW Amber/White - Amber/White
- 329202-RWBW Red/White - Blue/White

* Steady burn option not available in cigarette models