FEDERAL SIGNAL

A B C R

‣ # 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.

Solaris®

5 YEARS LED WARRANTY

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.

329001-34

329000-4

329202-RWBW in LED Takedown mode

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

	Viper S2	SpectraLux Viper S2
Solaris Technology	Yes	Yes
SpectraLux Technology	No	Yes
Single and Dual Head models	Yes	Yes
Single unit flash patterns	23	25
Dual unit flash patterns	25	37
LED combinations	Amber, Blue, Red	Amber, Blue, Red, White
Takedown feature	No	Yes
Colors per light head	1 (8 LEDs per head)	2 or 3 (12 or 18 LEDs per head)
Versatile mounting with "snap on" flash guard included	Yes	Yes
Cigarette models available	Yes	Yes

SpectraLux Viper S2				
Color	Lens Color	SAE J845 (Class)		SAE J595 (Class)
		Class	Coverage Angle	
Blue	Clear	1	85°	1
Red	Clear	1	100°	1
White	Clear	1	95°	1
Amber	Clear	2	115°	2
Viper S2				
Color	Lens Color	SAE J845 (Class)		SAE J595 (Class)
		Class	Coverage Angle	
Blue	Clear	1	85°	1
Red	Clear	1	100°	1
Amber	Clear	2	115°	2

S P E C I F I C A T I O N S

Specifications	Single Unit	Dual Unit
Voltage	12.8 VDC	12.8 VDC
Current Draw	1.5A	2.2A
Operating temp	-30°C to +65°C	-30°C to +65°C
Physical Specifications		
Width	4.3 in (10.9 cm)	8.5 in (21.6 cm)
Height	2.1 in (3.0 cm)	1.2 in (3.0 cm)
Depth	2.9 in (7.4 cm)	2.9 in (7.4 cm)
Ship Weight		
	1.0 lb (0.45 kg)	1.5 lbs (0.68 kg)
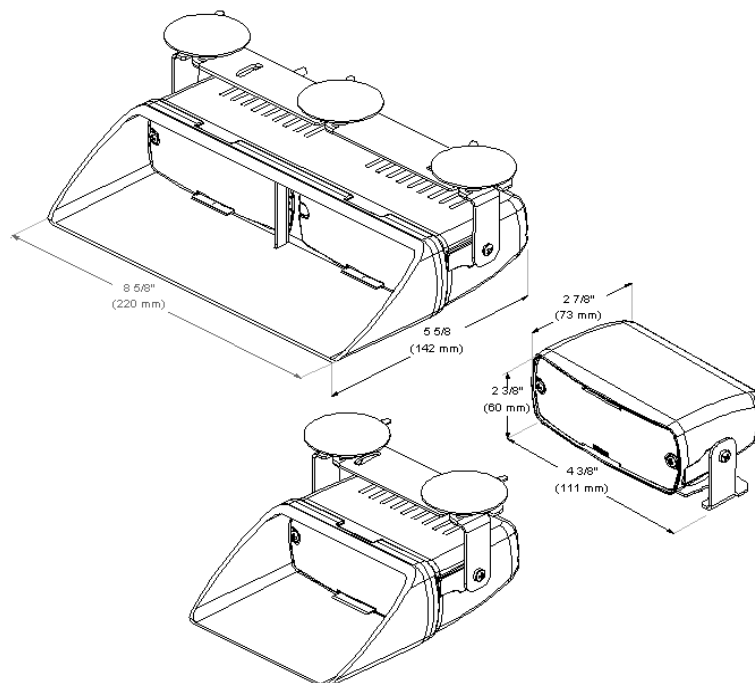
Viper S2 Models

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

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

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

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

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

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