

ANGLE

A WHOLE NEW ANGLE IN SAFETY AND SECURITY

VALOR®



45° / 90°

IT'S AN ENTIRELY DIFFERENT POINT OF VIEW.

Introducing **Valor**® from Federal Signal, the first and only non-linear, low profile LED light bar. A safer and smarter choice, Valor dramatically increases visibility, optimizes performance, and reduces risk.

With its unique V-shaped design combined with Federal Signal's Solaris LED reflectors, Valor delivers light at critical 45-degrees and 95-degrees off-axis for intersection clearing. What's also impressive is its flexibility. SpectraLux® provides a fully programmable range of color combinations for optimum warning capability to flood light performance.

And because it's from Federal Signal, you know it's not only built for simple set-up and customization... it's also built to last.

The Valor light bar stands only two inches tall, but is unmatched in light performance compared to other low-profile linear light bars.

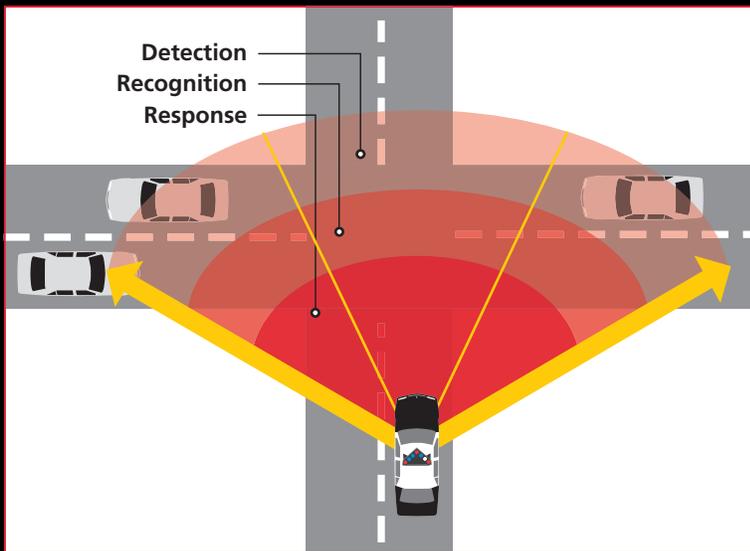
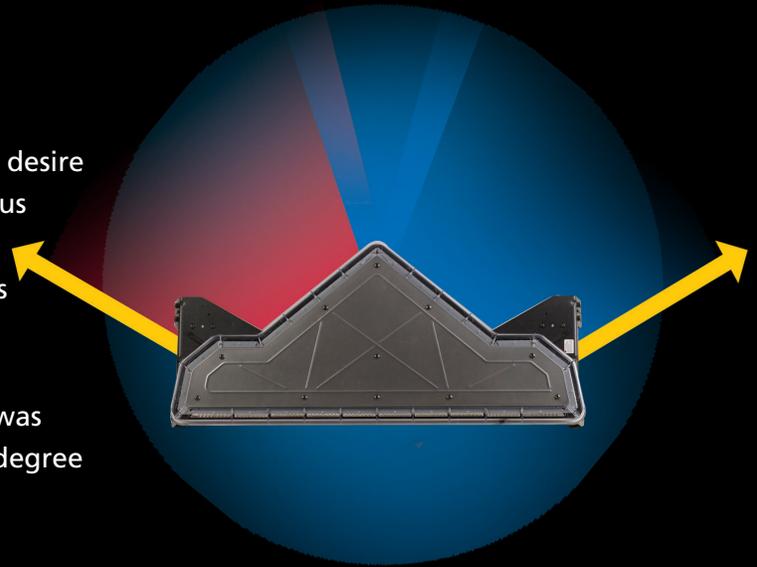


VALOR[®]

SAFETY AT THE CRITICAL ANGLES

For officers that rank safety as a top priority and desire a low profile appearance, the Valor[®] is the obvious choice. Valor's distinct non-linear shape and Solaris[®] LED reflector design provide 360-degrees of light output and impressive off-axis lighting.

In comparison to linear light bars, Valor's shape was engineered to outperform at 45-degree and 90-degree angles, critical for intersection clearing.



OFF-AXIS WARNING FOR INTERSECTION CLEARING

In a moving situation as the emergency vehicle approaches an intersection, its lights and audible devices notify on-coming vehicles through three stages: detection, recognition and response.

As illustrated, the Valor illuminates a broader area specifically at the 45-degree and 90-degree intersection points. This area is critical for early detection to on-coming traffic allowing for quicker recognition and response time.

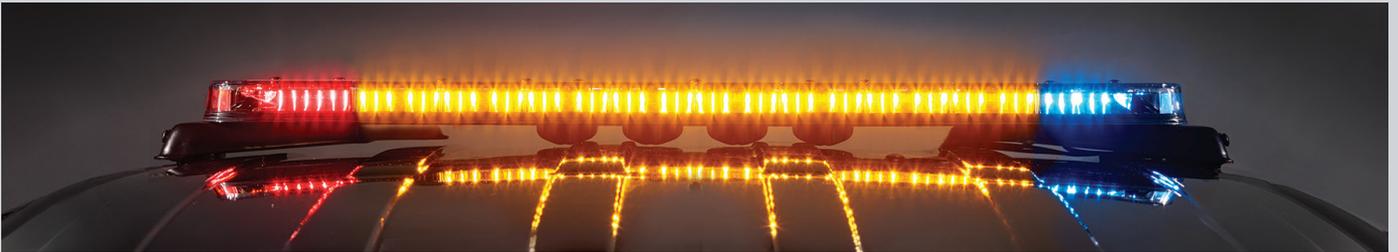


EXCLUSIVE TO FEDERAL SIGNAL'S VALOR...



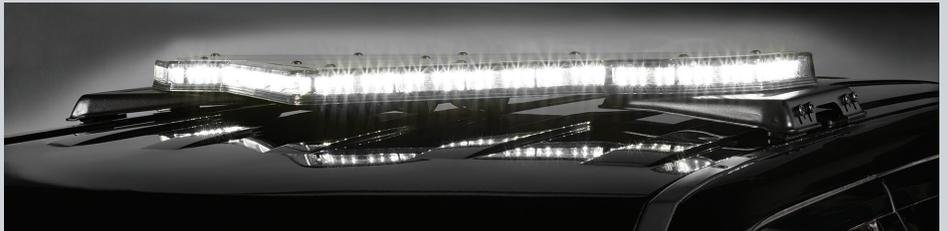
SPECTRALUX® MULTICOLOR LED TECHNOLOGY

Exclusive to Federal Signal, SpectraLux® multicolor LED technology provides the ability for a LED light head to change color. LEDs can change between red, blue, amber or white through user selected flash patterns.



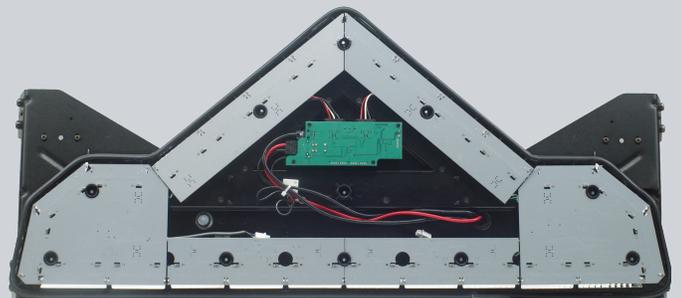
SPECTRALUX LIGHTS THE WAY

At a steady position, in all white mode, SpectraLux provides an impressive flood light to quickly illuminate an emergency scene.



SOLARIS® LED REFLECTOR

Federal Signal's Solaris® LED reflector technology is engineered to significantly increase off-axis warning and maximize the LED light source to eliminate critical dark spots and distribute true 360-degrees of light coverage.



ROC (RELIABLE ONBOARD CIRCUITRY™)

Federal Signal's patented ROC technology is built to eliminate approximately 85% of the connection failure points found in a typical light bar. Wires, connections, and assemblies have been replaced by PCB assemblies — reducing labor repair time and increasing the road time for emergency vehicles.



Vortex Generators

Vortex Generators are located at the base of the Valor light bar. Vortex Generators are designed to improve the aerodynamic surface and efficiently direct passing air to reduce subsequent drag on the rear of the vehicle. The result is better fuel efficiency and a reduction in wind noise.

Low-Profile Hook Mounts

The low hook mount option allows the body of the light bar to be approximately 7/8 of an inch lower than the standard hook mount, depending on the specific vehicle make and model.

SIMPLE INSTALLATION AND PROGRAMMING

For maximum performance, the FS Convergence Network provides 'plug-n-play' installation. Utilizing standard RJ45 connections, the Valor can be easily programmed using a Pathfinder® light and siren controller. With control head programmability, the user can customize the keypad to meet their needs.

A serial interface module with your existing light controller can also be used to program and operate the features and functions of the Valor.



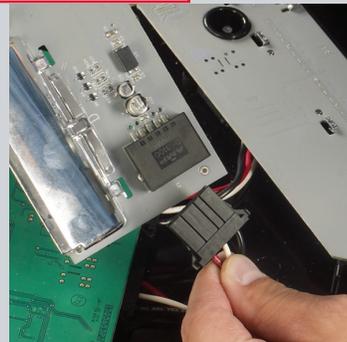
FSJOIN™

Programming is made easy with FSJoin in conjunction with Pathfinder® light/siren controller. Through the Convergence Network software, multiple warning devices can be programmed to synchronize in order to create a unified vehicle solution.



SERVICE IS A SNAP WITH THE VALOR

**VALOR can be serviced while on the roof top.
Remove the single dome and easily disconnect the ROC board.**



**Learn more about the Valor light bar, see it in action
or view flash patterns at fedsig.com**



ADDITIONAL SYSTEM COMPONENTS

MODEL VARIATIONS

Offered in 44-inch and 51-inch lengths

NUMBER OF LEDs

In the 44-inch light bar, in all single color:

1. Main bar: 24 heads x 6 LEDs each = 144 LEDs
2. HotFoot: 6, 12 or 18 LEDs per foot
3. Alley HotFoot: 6 LEDs

In the 51-inch light bar, in all single color:

1. Main bar: 28 heads x 6 LEDs each = 168 LEDs
2. HotFoot: 6, 12 or 18 LEDs per foot
3. Alley HotFoot: 6 LEDs

CURRENT DRAW

Without HotFoot lights - 24 AMP (Steady)

With HotFoot lights - 29 AMP (Steady)

WARRANTY

5-year warranty on LED components

DIMMING OPTION

When activated, the dimming feature significantly reduces the light output intensity.

SIGNALMASTER™ OPTION

The VALOR is built with an 8-head LED SignalMaster capability for directional warning.

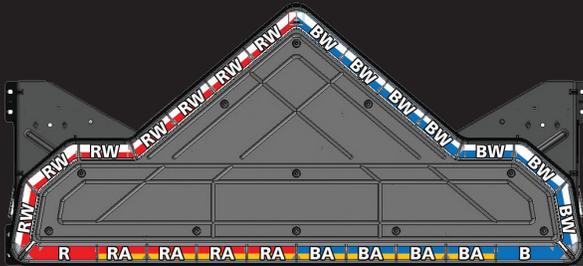
HOTFOOT™ FLEXIBILITY

For further customization of your vehicle, mounting brackets accommodate optional HotFoot™ LED take down, alley, and warning lights as well as Opticom™ pre-emption emitters. Only available with standard hook mount.

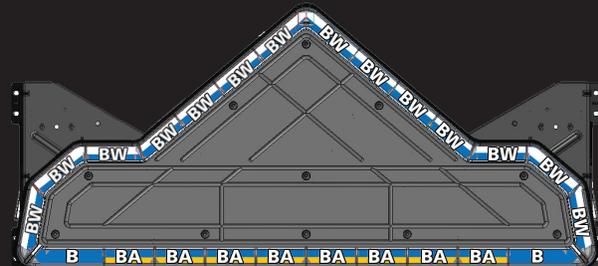


Stock Models

The Valor stock models below are FS Convergence Network compatible and include a low hook mount.



VALR44J-P1L
VALR51J-P1L



VALR44J-P2L
VALR51J-P2L

Dimensions (H x L x D):	Model	Height	Length	Depth
	VALR44J	1.96 in (5.0 cm)	43.7 in (111.0 cm)	19.8 in (50.4 cm)
	VALR51J	1.96 in (5.0 cm)	51.3 in (130.3 cm)	19.8 in (50.4 cm)

Ship Weight:	Model	Weight*	Approvals
	VALR44J	39.3 lbs (17.8 kg)	SAE J845, Class 1
	VALR51J	43.2 lbs (19.6 kg)	SAE J595, Class 1
	*With standard mounting feet		CCR T13, Class B IP65



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