FEDERAL SIGNAL

ARJENT S2

AS BRILLIANT INSIDE AS IT IS OUTSIDE.

The ARJENT S2 lightbar from Federal Signal

THE ARJENT S2 LIGHTBAR

BRIGHT NEW THINKING

From the leader in emergency warning technology.

>SAFER

SOLARIS — THE BEST AND BRIGHTEST IN LIGHTING TECHNOLOGY

Our patent-pending Federal Signal Solaris™ design features the latest in LED reflector technology for bright and intense off-axis light output.

ADDITIONAL FEATURES FOR SAFER OPERATION

The Arjent S2 is loaded with additional features such as the advanced micro-processor controller which provides three modes of operation, a library of flash patterns, adjustable alley and takedown lights, front/rear cut-off, dimming and intersection warning.

Dimming Provides Additional Officer and Pedestrian Safety

The dimming feature can significantly reduce the light output to half its intensity in modes one and two. For officer safety, the dimming feature is not activated in mode three.

Adjustable Alley and Takedown Lights

The alley and takedown lights can be adjusted horizontally and vertically to ensure proper visibility.

Front Cut-off

Rear Cut-off

Front and rear cut-off may be used in mode one, two, or three

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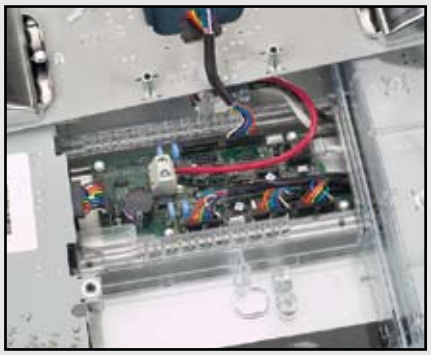
The low profile, elliptical sha
off-axis warning than traditio

>SMARTER

ROC SOLID CONSTRUCTION Our patent pending ROC (Reliable Onboard Circuitry™) technology eliminates 85% of potential failure points in the lightbar — reducing repair costs and increasing the hours your emergency vehicles stay on the road.

ROC
RELIABLE ONBOARD CIRCUITRY

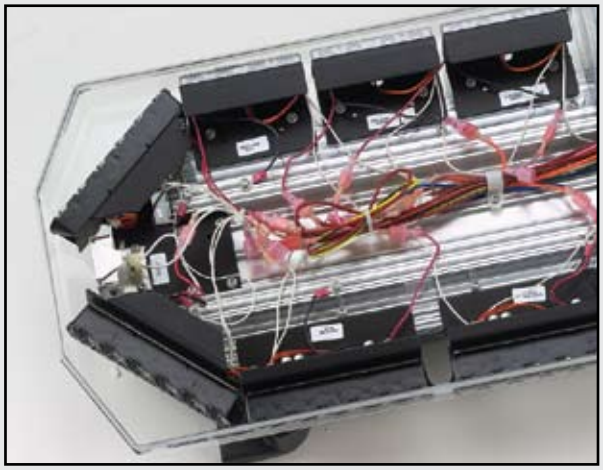


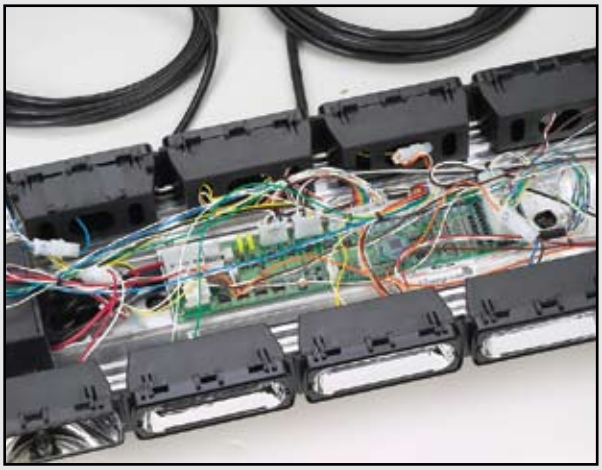
ROC with the Micro-processor Controller provides advanced communication between the lightbar and the controller head.

Minimal Board-to-Board Connections eliminates about 85% of possible failure points. A printed circuit board in one assembly reduces the number of electrical connections in a lightbar.

Solaris optics and curved end caps offer superior LED reflector technology for bright 360-degree coverage, excellent off-axis light output and no dark spots.

YESTERDAY'S TECHNOLOGY. The most common failure points found in a typical lightbar, as shown below, occur between the connector and its light source; and the lightbar's power source. With older technology each light head typically has at least two, sometimes four, connections per light head. ROC technology reduces the number of parts found in a typical lightbar by approximately 65%





ape complements the Solaris LED technology to provide 360-degree coverage and significantly greater onal linear lightbars.

>SIMPLER

SIMPLE TO CUSTOMIZE AND CONFIGURE The Arjent S2 may be repaired or reconfigured without taking the lightbar off the vehicle which cuts down on costly vehicle down time. Domes or lenses are quickly and easily replaced as needed.

1 Remove the top dome with only four screws.

2 Disconnect the ROC board by the 22-gauge wire harness.

Internal SignalMaster™ Directional Warning

Arjent S2 can be configured for internal Federal Signal SignalMaster control operation. In this mode, an external SignalMaster controller is not required. A simple slide switch activates the lightbar's internal SignalMaster.

While operating in three priority modes, all modules keep sequence with the flash pattern. Once directional warning is selected, the SignalMaster modules override the current flash pattern.

ARJENT S2 AND RS485 SYSTEM The RS485 System makes it fast and easy to clone and duplicate patterns from vehicle to vehicle. The function of each individual light head can be controlled with the RS485 system.

- Four default patterns are included for positions 1, 2, 3 and the intersection clearing mode.
- Arjent S2 lightbars are controlled through a standard RS485 bus connection. Protocol is based on SAE J1708 and J1587 standards.
- Compact serial interface module is included with every Arjent S2 lightbar for those vehicles not equipped to accept RS485 bus connections.
- Built-in SignalMaster directional warning capability is standard with the Arjent S2. SignalMaster patterns can be activated via a standard relay switch and do not need a separate directional warning controller.
- Additional pre-programmed options such as front/rear cut-off, intersection warning, and dimming can easily be programmed into the lightbar operation and cloned from vehicle and vehicle.

EASY CONFIGURATION

1 RS485 Adaptor
All Arjent S2 lightbars include a serial interface module which is used to program the lightbar's features and functions. Select from default flash patterns or customize your lightbar with 26 newly designed warning patterns.

2 Laptop or PC
Cloning of the serial interface module is accomplished with the use of a laptop or desktop and an EPIC™ programmer, sold separately.

3 Fleet Programming
The EPIC USB programmer is used to quickly program lightbars for any size fleet, providing significant time and cost savings. This is especially important when performing installations over a large fleet.

LED colors are offered in red, blue, white, amber and green.
Dome colors are available in red, blue, clear and amber.

SMARTER, SIMPLER, AND SAFER — DISCOVER THE ARJENT S2 ADVANTAGE
To learn more about what the Arjent S2 performance can do for you, call 800-264-3578.

FEDERAL SIGNAL'S ON-LINE LIGHTBAR CONFIGURATOR IS QUICK AND EASY TO USE.
To configure your Arjent S2 36", 44", and 53" lightbars, go to www.fedsig.com. Save, print, or e-mail your configuration to a Federal Signal Customer Support Representative or contact your local distributor today.

Warning Light Specifications

Lighting Option	Current Draw	Lamp/Technology	Reflector Style
Solaris S2 LED Takedown Light	1.0 A*	Six Gen III high brightness white LEDs	Offset, compound-curve, polished spot beam reflector
Solaris S2 LED Alley Light	1.0 A*	Six Gen III high brightness white LEDs	Offset, compound-curve, polished spot beam reflector
Solaris S2 2" Flashing positions	0.5 A*	Three Gen III high brightness LEDs	Offset, compound-curve polished reflector
Solaris S2 4" Flashing positions	1.0 A*	Six Gen III high brightness LEDs	Offset, compound-curve polished reflector
Halogen Takedown Light	3.9 A**	bi-pin halogen MR16, 50W	12-degree polished reflector
Halogen Alley Light	2.7 A**	bi-pin halogen MR16, 35W	24-degree polished reflector

*Amperage in steady burn mode
**Amperage per pair, with flashing takedown and alley lights

Technical Specifications

Model	Length	Height	Width	Weight	Operating Voltage
36" Arjent S2	36 in (91.4 cm)	3.8 in (9.6 cm)	18.2 in (46.2 cm)	20.0 lbs (9.0 kg)	12.8 VDC
44" Arjent S2	44 in (111.7 cm)	3.8 in (9.6 cm)	18.2 in (46.2 cm)	24.0 lbs (10.8 kg)	12.8 VDC
53" Arjent S2	53 in (134.6 cm)	3.8 in (9.6 cm)	18.2 in (46.2 cm)	28.0 lbs (12.6 kg)	12.8 VDC

FEDERAL SIGNAL
Safety and Security Systems
Advancing security and well-being.

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