FEDERAL SIGNAL

AS BRILLIANT INSIDE AS IT IS OUTSIDE.

LEGEND®

THE LEGEND® LIGHTBAR

BRIGHT NEW THINKING

From the leader in emergency warning technology.

>SAFER

SOLARIS® - THE BEST AND BRIGHTEST IN LIGHTING TECHNOLOGY
Our patented Federal Signal Solaris design features the latest in LED reflector technology for a bright and intense off-axis light output.

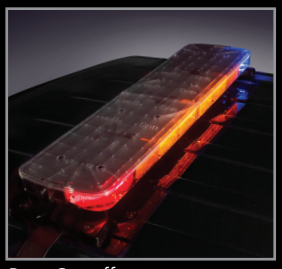
- The brightness of LEDs with Federal Signal's patented Solaris high performance LED takedowns.
- Solaris reflector design provides focused lighting for increased officer safety and protection.
- LEDs reduce the current draw, freeing up amperage for other essential vehicle equipment.

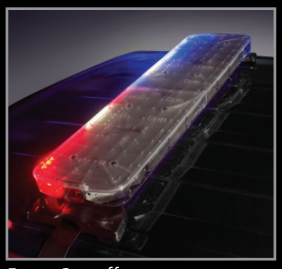
ADDITIONAL FEATURES FOR SAFER OPERATION
All Legend lightbars contain an advanced micro-processor controller which provides three modes of operation, a library of flash patterns, takedown and alleys, front/rear cut-off, dimming, and intersection warning. Optional HotFoot® lights provide additional warning or takedown and alley lights.

Dimming Provides Additional Officer and Pedestrian Safety
Operable in modes one and two, the dimming feature reduces light output to half its intensity. For officer safety, the dimming feature is not activated in mode three.


LED Alley Light


LED Takedown


Rear Cut-off


Front Cut-off

Front and Rear Cut-off may be used in Mode One, Two, or Three

THE LEGEND® LIGHTBAR

BRIGHT NEW THINKING

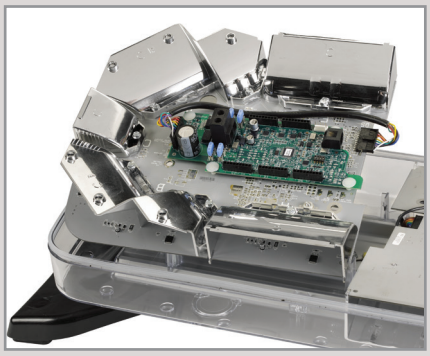
From the leader in emergency warning technology.

A brilliant way to impro
design for a stealthy ap

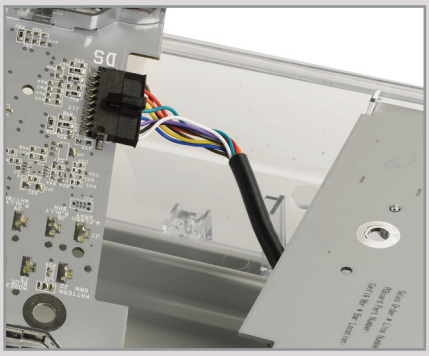
>SMARTER

ROC SOLID CONSTRUCTION Patented 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



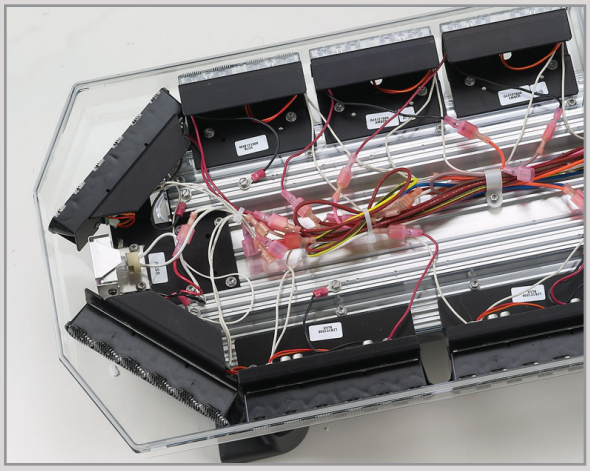
ROC with the Micro-Processor Controller delivers advanced communication between the controller head and lightbar.

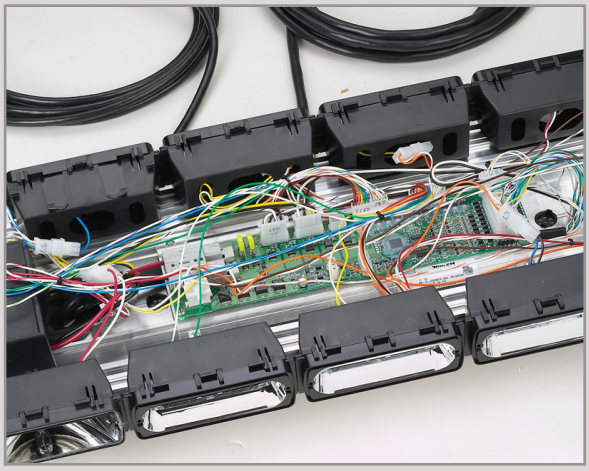


Minimal Board-to-Board Connections reduce about 85% of potential failure points. ROC uses a printed circuit board in one assembly to significantly reduce the electrical connections found in a typical lightbar.

Solaris Design and ROC Technology provide exceptional 360-degree coverage, which eliminates dark spots and creates superior off-axis warning around the lightbar.

YESTERDAY'S TECHNOLOGY. The most common failure points found in a typical lightbar, as shown below, occur between the connector to its light source and the lightbar's power source. With older technology, each light head usually 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%.





ve safety — the Legend from Federal Signal. Featuring a popular, low-profile pearance. The Legend provides 360-degree coverage and superior off-axis warning.

> SIMPLER

SIMPLE TO CUSTOMIZE AND CONFIGURE Legend can be easily reconfigured in minutes, right on the vehicle, without removing and rewiring individual modules. ROC boards are also individually labeled to make reconfiguration easy.

1 Remove the top dome with only four screws.

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

3 The base slides off for quick replacement.

Internal SignalMaster™ Directional Warning

Legend can be configured for internal Federal Signal SignalMaster control operation. In this directional mode, an external SignalMaster controller is not required. A simple slide switch can activate 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.

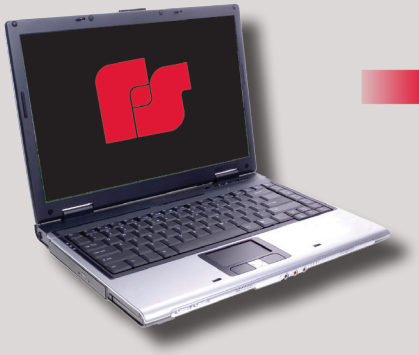
SIMPLE INSTALLATION AND PROGRAMMING

For maximum performance, the FS Convergence Network provides 'plug-n-play' installation. Utilizing standard RJ45 connections, the Legend can be easily programmed using a SmartSiren® Platinum system. 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 Legend.

1 Serial Interface Module

Legend lightbars are available with 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 warning patterns.



2 Personal Computer

Cloning of the serial interface module is accomplished with the use of a laptop or desktop and a ROC programmer which is sold separately.

3 Fleet Programming

The ROC programmer is used to quickly program lightbars for any size fleet, providing significant time and cost savings. This is especially important when working with a large fleet.

LEDs are offered in Red, Blue, White, Amber and Green.
Domes are available in Red, Blue, Amber and Clear.

	Legend	Legend LPX	Legend LPX Discrete
Technology			
Solaris LED Reflector Technology	X	X	X
ROC (Reliable Onboard Circuitry)	X	X	X
FS Convergence Network	X	X	
HotFoot	X		
Features			
SignalMaster Capability	X	X	
Low Power/Dimming	X	X	
Front/Rear Control	X	X	X
Lengths			
24-inch	X		X
45-inch	X	X	X
53-inch	X	X	X
61-inch	X	X	X
70-inch	X	X	X
Options			
LED Takedowns	X	X	X
LED Alley lights	X	X	X
LED Work Lights	X	X	X
LED Count			
5" Reflector LED Count	6	4	4
4" Reflector LED Count	6	4	4
2" Reflector LED Count	3	3	3
Corner Reflector LED Count	9	6	6
Warning Light Specifications			
Operating Voltage	12.8 VDC		
Operating Temp	-30˚C to +65˚C		
Current Draw	1 Amp per head, 0.5 Amp per alley light*		
*Amperage in steady burn mode			

FEDERAL SIGNAL

2645 Federal Signal Drive, University Park, IL 60484-3167
Tel.: (800) 264-3578 • Fax: (800) 682-8022
www.fedsig.com

#M1025 I 1013