



# LEGEND

AS BRILLIANT  
**INSIDE** AS IT IS OUTSIDE.

The LEGEND lightbar from Federal Signal 



# THE LEGEND LIGHTBAR

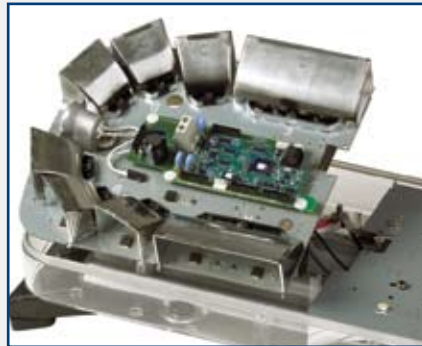
## BRIGHT NEW THINKING

From the leader in signaling technology.

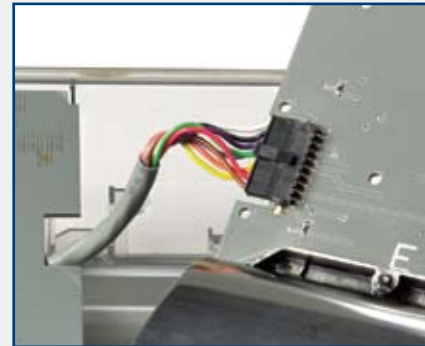
Introducing a brilliant new way to improve safety - the Legend from Federal Signal. Featuring a popular, low-profile design for a stealthy appearance. The Legend provides 360-degree coverage and superior off-axis warning.

### > 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 with the Micro-processor Controller* provides advanced communication between the controller head and lightbar.



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



*Solaris Technology and ROC design* provide exceptional 360-degree coverage, which results in the elimination of any dark spots and superior off-axis warning around the lightbar.

### > 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.

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

### > SAFER

#### SOLARIS - THE BEST AND BRIGHTEST IN LIGHTING TECHNOLOGY

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



#### *Internal SignalMaster™ Directional Warning*

Legend 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.

#### MORE FEATURES FOR SAFER OPERATION

All Legend lightbars contain an 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*

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.



#### *Adjustable Alley and Takedown Lights Ensure Proper Officer Safety*

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



Front Cut-off



Rear Cut-off

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



## SMARTER, SIMPLER, AND SAFER —DISCOVER THE LEGEND ADVANTAGE

To learn more about what the LEGEND 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 Legend 45" and 53" lightbars, go to [www.fedsig.com](http://www.fedsig.com). Save, print, or e-mail your configuration to a Federal Signal Support Representative or contact your local distributor today.

### Warning Light Specifications

Lighting Option	Current Draw	Lamp/Technology	Watts	Reflector Style
Takedown Light	3.9 A*	Bi-pin halogen	50	Polished
Alley Light	2.7 A*	Bi-pin halogen	35	Faceted
Solaris LED-Main Lightbar	1.0 A**	Six Gen III high brightness LEDs	-	Offset, compound-curve polished reflector

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

### Technical Specifications

Model	Length	Height	Width	Weight	Electrical Potential	Current Draw*	Operating Temperature
LGD45	44.5 in (113.0 cm)	2.5 in (6.4 cm)	11.2 in (28.4 cm)	20.4 lbs standard foot included	12.8 VDC	14.5 A	-30°C to +65°C
LGD53	52.7 in (133.9 cm)	2.5 in (6.4 cm)	11.2 in (28.4 cm)	24.2 lbs standard foot included	12.8 VDC	16.5 A	-30°C to +65°C

\* Amperage for a typical loaded lightbar, with all lights flashing at 50% duty cycle.



## FEDERAL SIGNAL CORPORATION

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