FEDERAL SIGNAL

California

TITLE
13

☑ Approved
LED Products

What is California Title 13?

California Title 13 is a regulation set forth by the California Code of Regulations for vehicle warning. The regulation categorizes and sets standards of lighting intensity that warning lamps should meet to promote safety of workers and citizens. Though the standards are similar to ones set by SAE (Society of Automotive Engineers), California Title 13 is specific to California highways.

How are Federal Signal's products certified with California Title 13 Approvals?

All of Federal Signal's California Title 13 products are tested in an AMECA (Automotive Manufacturers Equipment Compliance Agency) Accredited laboratory. As an added effort many products have also been tested at a third party AMECA Accredited laboratory to ensure an unbiased test report approval. These test report summary results can be found on Federal Signal's website on specific product pages — visit www.fedsig.com

TITLE
13

For more information on Federal Signal's California Title 13 Approved Products, contact your local representative or Federal Signal's Inside Sales Team at **800-824-0254**

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Detailed product information can also be found at

www.fedsig.com

LIGHT BARS

Allegiant®

- Low-profile, linear light bar
- Left-flood, right-flood, full-flood, takedowns, alley lights, work lights, S/T/T (except 45"), and bed light (except 45") are available
- Can be serviced without removal from the vehicle roof
- (28) flash patterns
- Built-in SignalMaster™ directional warning (select models)
- Independently controlled front and rear flash patterns
- Low-power mode

5 YEAR WARRANTY

Solaris® SpectraLux® ROC® Convergence Network FSJoin™

Online light bar **CONFIGURATOR**

Reliant®

- Ultra low-profile linear light bar
- (28) flash patterns
- Built-in SignalMaster™ directional warning
- Low-power mode

5 YEAR WARRANTY

Solaris® SpectraLux® ROC® Convergence Network

Navigator®

- High-profile, linear light bar
- Front flood, takedowns, alley lights, work lights, and S/T/T are available
- (28) flash patterns
- Optional SignalMaster™ directional warning in 45", 53", and 60" lengths
- Optional LED Traffic Clearing Light (TCL)
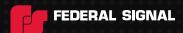- Black or Clear bulkheads
- Low-power mode

5 YEAR WARRANTY

Solaris® SpectraLux® SLR® Convergence Network

Online light bar **CONFIGURATOR**

FEDERAL SIGNAL

LIGHT BARS

Integrity®

- Unique low-profile linear light bar
- Left-flood, right-flood, full-flood, takedowns, alley lights, and work lights are available
- (28) flash patterns
- Built-in SignalMaster™ directional warning
- Low-power mode

5 YEAR WARRANTY

Online light bar CONFIGURATOR

Solaris® SpectraLux® ROC® Convergence Network FSJoin™

Valor®

- Unique low-profile, non-linear "V-shape" light bar
- Left-flood, right-flood, full-flood, takedowns, alley lights, and work lights are available
- Integrated Vortex™ generators for increased fuel efficiency and reduced wind noise
- Can be serviced without removal from the vehicle roof
- (27) flash patterns
- Built-in SignalMaster™ directional warning
- Low-power mode

5 YEAR WARRANTY

Online light bar CONFIGURATOR

Solaris® SpectraLux® ROC® Convergence Network FSJoin™ V-Shape lightbar

Legend®

- Low-profile linear light bar
- Takedowns, alley lights, and work lights are available
- (28) flash patterns
- Built-in SignalMaster™ directional warning
- Independently controlled front and rear flash patterns

5 YEAR WARRANTY

Online light bar CONFIGURATOR

Solaris® ROC® Convergence Network

FEDERAL SIGNAL

DIRECTIONAL WARNING

Latitude™ SignalMaster™

- LED directional warning light
- Available in 6-head and 8-head models
- Innovative co-extrusion, polycarbonate housing provides moisture resistance; compatible with SignalMaster™ brackets
- SignalMaster economy controller included
- Left, right, and center-out directional signals with (1) warning pattern

5 YEAR WARRANTY

Solaris® ROC®

MicroPulse® SignalMaster™

- LED directional warning light
- 4-head, 6-head, and 8-head models available in various lengths
- Aluminum housing with rail design compatible with SignalMaster™ brackets
- Visor-like extrusion designed to help block sunlight, increasing the warning effectiveness
- SignalMaster controller sold separately

5 YEAR WARRANTY

FEDERAL SIGNAL

DIRECTIONAL WARNING

4200S/8200S SignalMaster™

3 YEAR WARRANTY

- LED directional warning light
- Available in 31", 42", and 51" lengths
- Stick light models available in 6-head or 8-head versions; Arrow light models available in 10-head or 16-head versions
- 4200S SignalMaster™ models have (4) LEDs per light head; 8200S SignalMaster models have (8) LEDs per light head

- Left, right, and center-out directional signals with (14) warning patterns
- Aluminum housing with rail design compatible with SignalMasterbrackets
- 18" whip with water-tight connector
- Discrete extension cable or eight-button controller required

CN SignalMaster™

5 YEAR WARRANTY

- LED directional warning light with flood lighting capability
- Available in 4-head, 8-head, and split 8-head models
- Left, right, and center-out directional signals with (27) warning patterns

Solaris®   SpectraLux®   ROC®   Convergence Network   FSJoin™

Online light bar CONFIGURATOR

FEDERAL SIGNAL

MINI-LIGHT BARS

HighLighter® Elite

- Low-profile 15" mini-light bar
- Single-, split-, and dual-color models
- Unique "edge cruise" lighting on dual-color models
- (25) flash patterns
- Multi-voltage, 12/24 Vdc

5 YEAR WARRANTY

Solaris®   SpectraLux®   ROC®   FSLink™

HighLighter® Micro

- Low-profile 10" mini-light bar
- Single- and split-color models
- (25) flash patterns
- Multi-voltage, 12/24 Vdc

5 YEAR WARRANTY

Solaris®   ROC®

21 Allegiant®

- Low-profile 21" mini-light bar
- Front flood, rear flood, takedowns, alley lights, work lights, and bed lights are available
- (28) flash patterns
- Low-power mode

5 YEAR WARRANTY

Solaris®   SpectraLux®   ROC®   Convergence Network   FSJoin™

Online light bar CONFIGURATOR

FEDERAL SIGNAL

BEACONS

Pro LED Beacon

- Single- and dual-color, short and tall beacon
- Built-in permanent/1-inch pipe mount aluminum die-cast base
- (25) flash patterns
- Multi-voltage, 12/24 Vdc
- Low-power mode

5 YEAR WARRANTY

Solaris®   SpectraLux®   FSLink™

SLR Beacon

- Unique LED rotating beacon
- 75/90/120 RPM
- Built-in permanent/1-inch pipe mount aluminum die-cast base
- Multi-voltage, 12/24 Vdc

5 YEAR WARRANTY

Solaris®   SLR®

FEDERAL SIGNAL

PERIMETER LIGHTS

MicroPulse® C Series

- Low-profile perimeter light
- Single- and dual-color models
- (27) single-color or (18) dual-color flash patterns
- Black surface mount bezel and stud mount standard; Chrome and White bezel optional

5 YEAR WARRANTY

MicroPulse® Wide Angle 9

- 180-degree wide angle perimeter light
- (27) single-color flash patterns
- Wide range of external mounting applications
- Black bezel standard; Chrome and White bezel optional
- Multi-voltage, 12/24 Vdc

5 YEAR WARRANTY

MicroPulse® Ultra 3, 6, and 12

- Ultra low-profile perimeter light available in three sizes
- Single-, dual-, and tri-color models
- (25) flash patterns
- Wide range of external and internal mounting applications
- Black bezel standard; Chrome and White bezels optional
- Multi-voltage, 12/24 Vdc

5 YEAR WARRANTY

SpectraLux®   FSLink™   FSJoin™

FEDERAL SIGNAL

PERIMETER LIGHTS

XStream®

- Low-profile design
- Operates as a single-, dual-, or tri-color light head
- Available in single-head and dual-head models
- Black polycarbonate housing
- Each model features two recessed buttons, one to change the flash pattern and another for color mode
- (26) flash patterns and (4) flash modes
- Versatile mounting brackets with three different length snap-on flash guards included

5 YEAR WARRANTY

Solaris®   SpectraLux®   FSLink™   FSJoin™

Latitude™

- LED flashing warning light
- Available in 4-head, 6-head, and 8-head models
- Innovative co-extrusion, polycarbonate housing provides moisture resistance; compatible with SignalMaster™ brackets
- (10) flash patterns (does not include directional signals)

5 YEAR WARRANTY

Solaris®   ROC®

SpectraLux® ILS

- Slim internal lighting system reduces windshield obstruction and improves driver visibility
- Vehicle-specific shrouds to prevent flashback for most common vehicle applications
- Discrete cable or serial interface module available for use in traditionally-wired applications
- (26) flash patterns

5 YEAR WARRANTY

Solaris®   SpectraLux®   ROC®   Convergence Network   FSJoin™

Online light bar CONFIGURATOR

FEDERAL SIGNAL

PERIMETER LIGHTS

QuadraFlare®

- Exterior perimeter light available in four sizes
- Single- and split-color models
- (26) flash patterns and up to (4) flash modes
- Black or Chrome bezel optional

5 YEAR WARRANTY

Solaris®

FireRay®

- Exterior perimeter light available in four sizes
- Single-, split-, and dual-color models
- (13) flash patterns and up to (4) flashing modes
- Black or Chrome bezel optional

5 YEAR WARRANTY

SpectraLux®   FSJoin™

FEDERAL SIGNAL

Federal Signal is The Driving Force™ behind the technology that provides safe and reliable emergency warning for first responders. It is our commitment to engineer the most reliable and high-performing products for your emergency vehicles.

Exclusive to Federal Signal, these innovative technologies help provide work zone safety.

Ask your local FS Representative how you can experience the latest Federal Signal products.

TECHNOLOGY

SPECTRALUX® multicolor LED technology provides the ability for a single light head to change color while in operation.

SOLARIS® LED reflector technology maximizes optical efficiency and provides superior off-axis warning.

SLR (SOLARIS® LED ROTATOR) maximizes the LED light source for full light coverage. SLR rotators provide rotating, oscillating, flashing, and flood light functionality.

FS CONVERGENCE NETWORK enables true "plug-and-play" installation and programming.

ROC (RELIABLE ONBOARD CIRCUITRY™) technology eliminates approximately 85% of connection failure points found in a typical lightbar.

FSLINK® is an embedded software technology incorporating a shared set of flash patterns within Federal Signal's LED mini-lightbars, beacons, and warning lights. This shared set of flash patterns and a common color-coded 5-conductor cable allows the various products to be wired together, set in a common pattern, and then synchronized together to flash simultaneously or alternately.

FSJOIN™ is a programming compatibility feature of Federal Signal's light bars, exterior/interior warning lights, sirens, and controllers. This technology provides users with a highly customizable visual/audible vehicle warning system.

V-SHAPE® light bar is mechanically designed to have a non-linear shape (V-Shape), providing an advantage in terms of off-axis warning performance compared to light bars with a traditional linear shape.

FEDERAL SIGNAL

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