Legend® LPXH Tow Discrete | Lightbar

Features

- All-LED lightbar — S/T/T (stop/tail/turn) and work lights
- Available in 53" and 61" lengths
- Traditional nine-conductor cable
- (14) selectable flash patterns; (2) flashing modes
- Independently controlled front and rear flashing
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Five-year LED warranty

Approval

- SAE J845, Class 1

Applications

- Tow & Recovery

LPX61H

CLASS 1   ROC RELIABLE ONBOARD CIRCUITRY   SOLARIS

Model	Description
LPX53H	53", (10/12) Amber heads, (2) LED S/T/T lights, (2) LED work lights, Gray domes
LPX53HS	53", (10/12) Amber heads, (2) LED S/T/T lights, (2) LED work lights, Gray domes, Weatherpack connector
LPX61H	61", (10/12) Amber heads, (2) LED S/T/T lights, (2) LED work lights, Gray domes
LPX61HS	61", (10/12) Amber heads, (2) LED S/T/T lights, (2) LED work lights, Gray domes, Weatherpack connector

Model LPX61H Legend LPXH Tow Discrete

FEDERAL SIGNAL

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53" Legend LPXH Tow Discrete

LPX53H*
LPX53HS* (Weatherpack connector)
Flat mount included

61" Legend LPXH Tow

LPX61H*
LPX61HS* (Weatherpack connector)
Flat mount included

*Stock model

	LPX53H	LPX61H
Specifications		
Operating Voltage	12.8 VDC for all models	
Operating Temp	-30°C to +65°C	
Current Draw	Estimated at max 11 Amps, 6 Amps Average	
Physical Specifications		
Length	52.7 in (133.9 cm)	60.9 in (154.7 cm)
Width	11.2 in (28.4 cm)	11.2 in (28.4 cm)
Height	2.5 in (6.4 cm)	2.5 in (6.4 cm)
Shipping Weight**		
	24.2 lb (10.9 kg)	28.0 lb (12.7 kg)

**Standard Foot Model

Z8653178-2 - Flat Mount

Legend® LPX Discrete | Lightbar

Features

- All-LED lightbar — work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available
- Available in 24", 45", 53", 61" and 70" lengths
- (8) selectable flash patterns; (2) flashing modes
- Independently controlled front and rear flashing
- Top domes offered in Amber, Blue, Clear and Red
- LEDs offered in Amber, Blue, Green, Red and White
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Five-year LED warranty

Approvals

- SAE J845, Class 1
- NFPA 1901 (on specific models)

LPX61D-00017

How to Order

Build a lightbar part number below by selecting length, configuration and mount.
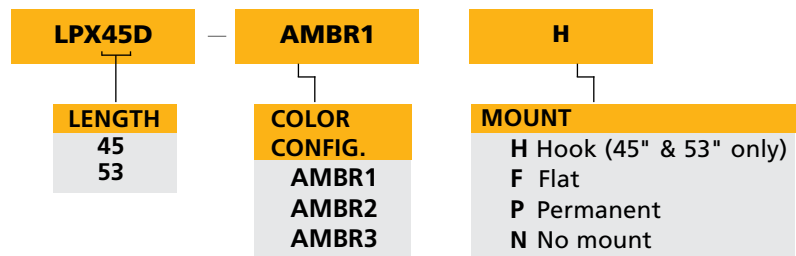
| LPX45D | — | AMBR1 | | H |

LENGTH
45
53

COLOR CONFIG.
AMBR1
AMBR2
AMBR3

MOUNT
H Hook (45" & 53" only)
F Flat
P Permanent
N No mount

For more options or to build a custom lightbar, visit our online lightbar configurator or contact your local Federal Signal representative or distributor.

NOTES
- See page 3 for Legend LPX Discrete ordering guide
- See page 4 for Legend LPX Discrete stock lightbars
- See page 9 for Hook Mount guide
- See page 152 for common replacement parts
- Catalog configuration models have Clear domes

	LPX24D	LPX45D	LPX53D	LPX61D	LPX70D
Specifications					
Operating Voltage	12.8 VDC for all models				
Operating Temp	-30˚ C to +65˚ C				
Current Draw	1 Amp per head, 0.5 Amp per alley light				
Physical Specifications					
Length	24.25 in (61.6 cm)	44.5 in (113.0 cm)	52.7 in (133.9 cm)	60.9 in (154.7 cm)	69.1 in (175.5 cm)
Width	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)
Height	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)
Shipping Weight*					
	16.6 lb (7.5 kg)	20.4 lb (9.3 kg)	24.2 lb (11.0 kg)	28.0 lb (12.7 kg)	31.8 lb (14.4 kg)

Standard Foot Model

FEDERAL SIGNAL

Legend® LPX Discrete | **Lightbar**

24" Model—Domes are available in Amber/Clear

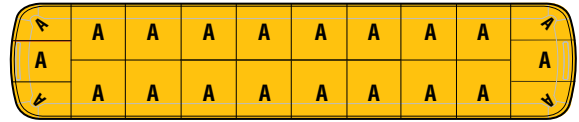## Popular Models

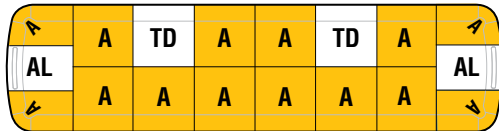### 45" Legend LPXD
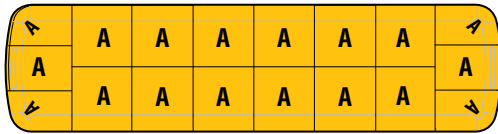
LPX45D-AMBR1H*
Hook mount included

LPX45D-AMBR2H
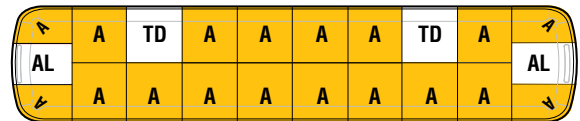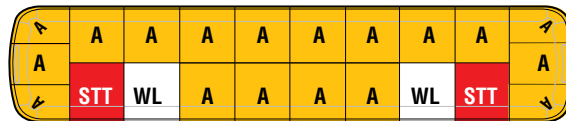Hook mount included

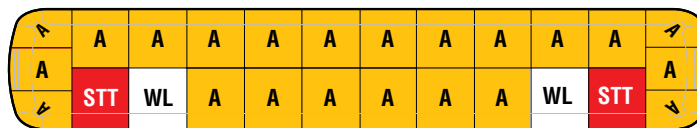### 53" Legend LPXD

LPX53D-AMBR1H
Hook mount included

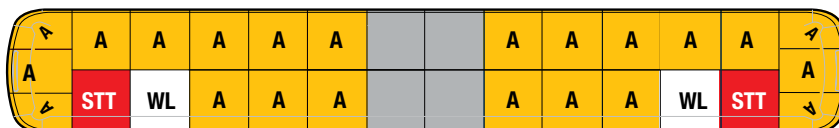**LPX53D-AMBR2H***
Hook mount included

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53" Legend LPXD

LPX53D-00021
Flat mount included

61" Legend LPXD

LPX61D-00017S*
LPX61DS-00005S* (Weatherpack connector)
Flat mount included

70" Legend LPXD

LPX70D-00003
Flat mount included

*Stock model

Legend® LPX | Lightbar

Features

- All-LED lightbar — takedowns, alleys, work lights and S/T/T (stop/tail/turn) lights available

- FS Convergence Network, serial lightbar

- Available in 45", 53", 61" and 70" lengths

- Same flash patterns, controller options and mounting option as standard Legend lightbars

- Built-in SignalMaster, front/rear cut-off, intersection warning and "dimming" functions

- Top domes offered in Amber, Blue, Clear and Red

- LEDs offered in Amber, Blue, Green, Red and White

- Solaris® LED reflector technology

- ROC (Reliable Onboard Circuitry™) technology

- Five-year LED warranty

Approval

- SAE J845, Class 1

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CLASS 1   Online Lightbar Configurator   ROC RELIABLE ONBOARD CIRCUITRY   SOLARIS

How to Order

Build a lightbar part number below by selecting length, configuration, mount, and controller.

| LPX45Z | – | AMBR1 | H | M |

LENGTH	COLOR CONFIG.	MOUNT	CONTROLLER
45	AMBR1	**H** Hook	**M** Serial interface
53	AMBR2	**F** Flat	**6** 6-button
	AMBR3	**P** Permanent	**3** 3-button
		N No Mount	

For more options or to build a custom lightbar, visit our online lightbar configurator or contact your local Federal Signal representative or distributor.

NOTES
- See page 3 for Legend LPX ordering guide
- See page 4 for Legend LPX stock lightbars
- See page 9 for Hook Mount guide
- See page 152 for common replacement parts
- Catalog configuration models have Clear domes

|	LPX45Z	LPX53Z	LPX61Z	LPX70Z
Specifications				
Operating Voltage	12.8 VDC for all models			
Operating Temp	-30˚ C to +65˚ C			
Current Draw	1 Amp per head*, 0.5 Amp per alley light**			
Physical Specifications				
Length	44.5 in (113.0 cm)	52.7 in (133.9 cm)	60.9 in (154.7 cm)	69.1 in (175.5 cm)
Width	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)
Height	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)
Shipping Weight*				
	20.4 lbs (9.2 kg)	24.2 lbs (10.9 kg)	28.0 lbs (12.6 kg)	31.8 lbs (14.4 kg)

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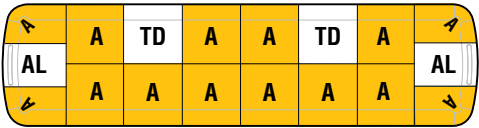*** Standard foot model.

FEDERAL SIGNAL

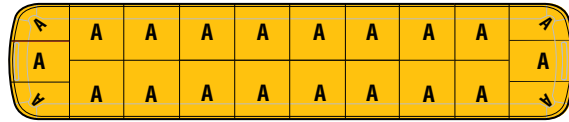## Popular Models
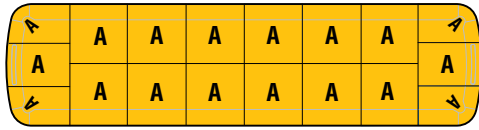
45" Legend LPX

LPX45Z-AMBR1H6
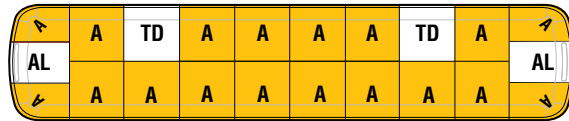Hook mount and 6-button controller included

LPX45Z-AMBR2H6*
Hook mount and 6-button controller included
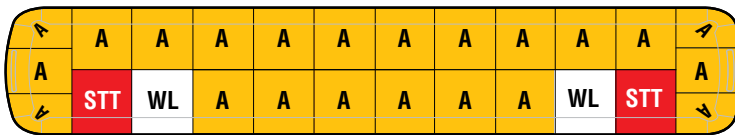
53" Legend LPX

LPX53Z-AMBR1H6
Hook mount and 6-button controller included

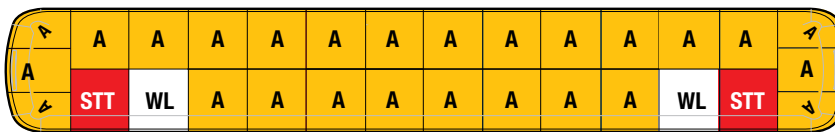**LPX53Z-AMBR2H6***
Hook mount and 6-button controller included

61" Legend LPX

LPX61Z-00008
Flat mount and 6-button
controller included

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70" Legend LPX

LPX70Z-00002*
Flat mount and serial interface

*Stock model

Relay Module

- Works in conjunction with the 3- or 6-button controllers
- Customize complete warning packages with any serial communication lightbar platform and a variety of lightheads
- Built-in 2-channel flasher with alternating flash patterns
- (4) relay outputs - (2) 10-Amp and (2) 15-Amp (not to exceed 40-Amp)

660100SSG	RS485 relay module

Six and Three Button Controller

- Model 660300 features (3) illuminated push-button switches with (9) pre-programmed keypad configurations
- Model 660000 features (6) illuminated push-button switches and a (4) position slide switch with (18) pre-programmed keypad configurations
- Quick and easy install with FS Convergence Network which provides "plug-n-play" installation and programming

660000	6-button programmable controller, light control only
660300SSG	3-button programmable controller, light control only

Legend® | Lightbar

Features

- All-LED lightbar— work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available

- FS Convergence Network, serial lightbar

- Available in 24", 45", 53", 61" and 70" lengths

- Built-in SignalMaster, front/rear cut-off, intersection warning and "dimming" functions

- Advanced microprocessor controller provides three modes of operation and a library of flash patterns

- Six-button wireless controller option available (lightbar control only)

- Three-button or six-button serial controller available for light control only

- Solaris® LED reflector technology

- ROC (Reliable Onboard Circuitry™) technology

- Five-year LED warranty

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CLASS 1   TITLE XIII   Online Lightbar Configurator   CONVERGENCE network   ROC RELIABLE ONBOARD CIRCUITRY   SOLARIS

How to Order

Build a lightbar part number below by selecting length, style, configuration, mount, and controller.

LGD45Z –	AMBR1	H	M

LENGTH	COLOR CONFIG.	MOUNT	CONTROLLER
45	AMBR1	**H** Hook	**M** Serial interface
53	AMBR2	**F** Flat	**6** 6-button
	AMBR3	**P** Permanent	**3** 3-button
		N No mount	

For more options or to build a custom lightbar, visit our online lightbar configurator or contact your local Federal Signal representative or distributor.

NOTES
- See page 3 for Legend ordering guide
- See page 9 for Hook Mount guide
- See page 152 for common replacement parts
- Catalog configuration models have Clear domes

## Approvals

- SAE J845, Class 1
- CAC Title 13

	LGD24Z	LGD45Z	LGD53Z	LGD61Z	LGD70Z
Specifications					
Operating Voltage	12.8 VDC for all models				
Operating Temp	-30° C to +65° C				
Current Draw	1 Amp per head, 0.5 Amp per alley light				
Physical Specifications					
Length	24.2 in (61.6 cm)	44.5 in (113.0 cm)	52.7 in (133.9 cm)	60.9 in (154.7 cm)	69.1 in (175.5 cm)
Width	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)	11.2 in (28.4 cm)
Height	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)	2.5 in (6.4 cm)
Shipping Weight*					
	16.6 lbs. (7.5 kg)	20.4 lbs (9.3 kg)	24.2 lbs (11.0 kg)	28.0 lbs (12.7 kg)	31.8 lbs (14.4 kg)

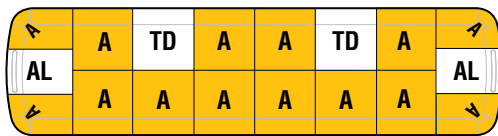*Standard foot included

FEDERAL SIGNAL

Popular Models
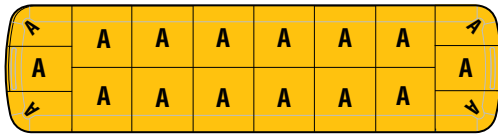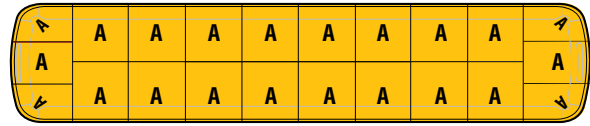
45" Legend

LGD45Z-AMBR1H6
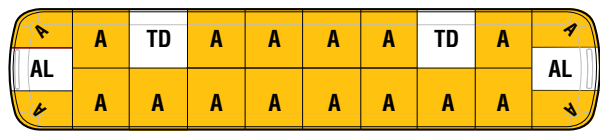Hook mount and 6-button controller included

LGD45Z-AMBR2H6
Hook mount and 6-button controller included

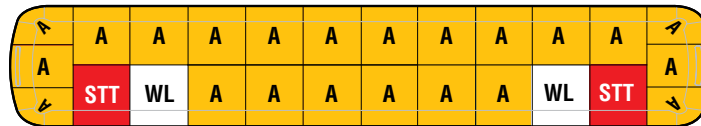### 53" Legend

LGD53Z-AMBR1H6
Hook mount and 6-button controller included
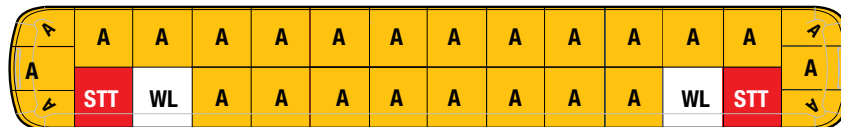

LGD53Z-AMBR2H6
Hook mount and 6-button controller included

61" Legend

LGD61Z-00004 — Flat mount and 6-button controller included

70" Legend

LGD70Z-00004 — Flat mount and 6-button controller included

Relay Module

- Works in conjunction with the 3- or 6-button controllers
- Customize complete warning packages with any serial communication lightbar platform and a variety of lightheads
- Built-in 2-channel flasher with alternating flash patterns
- (4) relay outputs - (2) 10-Amp and (2) 15-Amp (not to exceed 40-Amp)

660100SSG	RS485 relay module

Six and Three Button Controller

- Model 660300 features (3) illuminated push-button switches with (9) pre-programmed keypad configurations
- Model 660000 features (6) illuminated push-button switches and a (4) position slide switch with (18) pre-programmed keypad configurations
- Quick and easy install with FS Convergence Network which provides "plug-n-play" installation and programming

660000	6-button programmable controller, light control only
660300SSG	3-button programmable controller, light control only

Navigator® Discrete | Lightbar

Features

- All-LED lightbar— work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available

- High-profile, traditional cable LED lightbar

- Available in 10", 18", 25", 45", 53", 60", 73" and 87" lengths

- For mini-lightbar length details, see pages 26 and 28

- Optional SignalMaster™ directional warning (45", 53" and 60")

- Front flood capability

- Federal Signal patented SLR rotator optimizes LEDs for a true 360-degree of light output

- Domes offered in Amber, Blue, Clear and Red

- Two-color capability with LED colors in Amber, Blue, Green, Red and White

- Clear and Black bulkheads

- SpectraLux™ multicolor LED technology

- Solaris® LED reflector technology

- Five-year LED warranty

Approvals

- SAE Class 1
- CAC Title 13

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CLASS 1   TITLE XIII   Online Lightbar Configurator   SOLARIS   SLR   SpectraLux

How to Order

Build a lightbar part number below by selecting length, configuration, mount and bulkheads.

| NVG45D | – | AMBR1 | H | C |

LENGTH	**COLOR CONFIG.**	**MOUNT**	**BULKHEADS**
45	AMBR1	H Hook	C Clear
53	AMBR1R	F Flat	B Black
	MUNI1	P Permanent	
	MUNI1R	N No mount	
	MUNI2		
	MUNI2R		

For more options or to build a custom lightbar, visit our online lightbar configurator or contact your local Federal Signal representative or distributor.

NOTES
- See for Navigator ordering guide
- See for Navigator Discrete stock lightbars
- See for Hook Mount guide
- See for common replacement parts
- Catalog configuration models have Clear domes and Clear bulkheads

Stop/Tail/Turn features available

FEDERAL SIGNAL

Navigator® Discrete | **Lightbar**

LEDs available in:
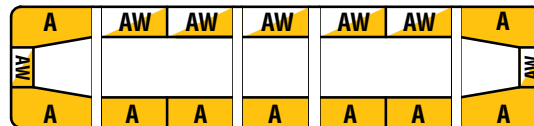Domes available in:
Bulkheads available in:

Popular Models
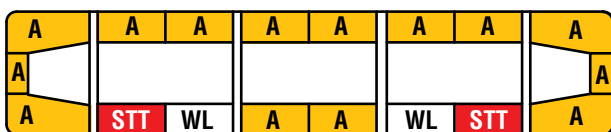
53" Navigator Discrete
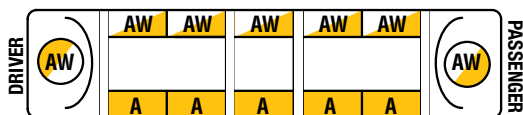
NVG53D-MUNI1RHC*
Front flood feature, alley feature, SignalMaster,
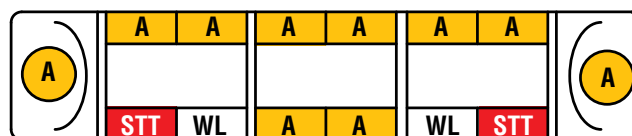hook mount

NVG53D-MUNI1HC*
Front flood feature, alley feature, SignalMaster,
hook mount

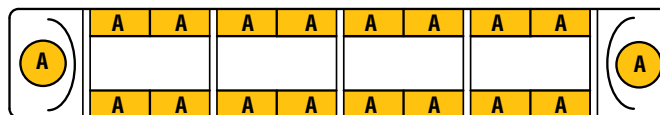### 60" Navigator Discrete

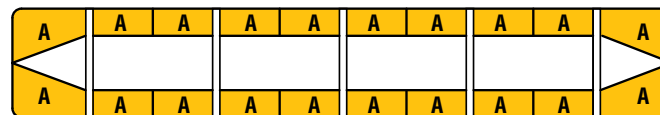**NVG60D-TOW1FC**
Flat mount

NVG60D-TOW2FC
Flat mount

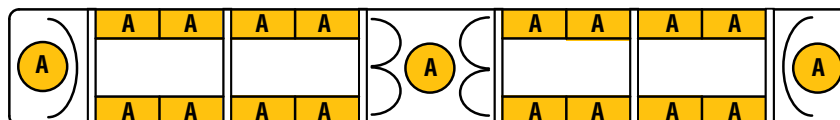### 73" Navigator Discrete

NVG73D-AMBR1RFC*
Flat mount

NVG73D-AMBR1FC
Flat mount

87" Navigator Discrete

NVG87D-AMBR3RFC
Flat mount

*Stock model

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Specifications	
Operating Voltage	12.8 VDC
Operating Temp	-40˚ C to +80˚ C
Current Draw	1.5 Amps per QuadraFlare head/2.5 Amps per SLR rotator
Physical Specifications	
Width	12.5 in (31.8 cm)
Height	4.5 in (11.43 cm)
Shipping Weight	
with standard mounting	Varies by size and configuration of lightbar

www.fedsig.com   800.824.0254   amberorders@fedsig.com

Navigator® Serial | Lightbar

Features

- All-LED lightbar— work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available

- High-profile, serial lightbar

- Available in 45", 53" and 60" lengths

- Optional 8-head SignalMaster™ directional warning (45", 53" and 60")

- Front flood capability

- Federal Signal patented SLR rotator optimizes LEDs for a true 360-degree of light output

- Domes offered in Amber, Blue, Clear and Red

- Two-color capability with LED colors in Amber, Blue, Green, Red and White

- Clear and Black bulkheads

- SpectraLux™ multicolor LED technology

- Solaris® LED technology incorporated QuadraFlare® and SLR modules

- Five-year LED warranty

Approvals

- SAE Class 1
- CAC Title 13

CLASS 1 | TITLE XIII | Online Lightbar Configurator | SOLARIS | SLR | SpectraLux

How to Order

Build a lightbar part number below by selecting length, configuration, mount and bulkheads.

NVG45Z	–	AMBR1	H	C	6

LENGTH	COLOR CONFIG.	MOUNT	BULKHEADS	CONTROLLER
45	AMBR1	H Hook	C Clear	6 6-button
53	AMBR1R	F Flat	B Black	
	MUNI1	P Permanent		
	MUNI1R	N No mount		
	MUNI2			
	MUNI2R			

For more options or to build a custom lightbar, visit our online lightbar configurator or contact your local Federal Signal representative or distributor.
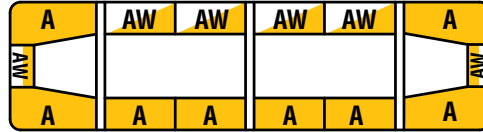
NOTES
- Catalog configuration models have Clear domes and Clear bulkheads

QuadraFlare alley light

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FEDERAL SIGNAL

Navigator® Serial | **Lightbar**

LEDs available in: ■■■□
Domes available in: ■■■□
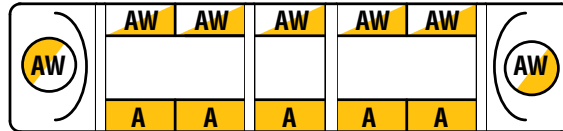Bulkheads available in: □■

Popular Models

45" Navigator Serial

NVG45Z-MUNI1H6C
Front flood feature, alley light feature, SignalMaster,
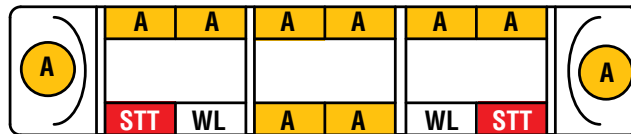hook mount, 6-button controller

53" Navigator Serial

NVG53Z-MUNI1RH6C
Front flood feature, alley light feature, SignalMaster,
hook mount, 6-button controller

60" Navigator Serial

NVG60Z-TOW2F6C
Flat mount, 6-button controller

Specifications	
Operating Voltage	12.8 VDC
Operating Temp	-40˚ C to +80˚ C
Current Draw	1.5 Amps per QuadraFlare head/2.5 Amps per SLR rotator
Physical Specifications	
Width	12.5 in (31.8 cm)
Height	4.5 in (11.43 cm)
Shipping Weight	
with standard mounting	Varies by size and configuration of lightbar

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Integrity™ | Lightbar

Features

- Low-profile, linear LED lightbar
- FS Convergence Network, serial lightbar
- Available in 44" and 51" lengths
- Optional built-in SignalMaster™ directional warning
- Front and rear LED work light features available
- Six-button controller for ease of installation and lightbar control
- SpectraLux™ multicolor LED technology
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Five-year LED warranty

Approvals

- SAE, Class 1
- CAC Title 13

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CLASS 1   TITLE XIII   Online Lightbar Configurator   CONVERGENCE network   ROC RELIABLE ONBOARD CIRCUITRY   SOLARIS   SpectraLux

How to Order

Choose one of the popular models, customize your own lightbar with our online configurator or contact a local Federal Signal representative or distributor.

NOTES
- See page 8 for Integrity stock lightbars
- See page 9 for Hook Mount guide
- See page 152 for common replacement parts
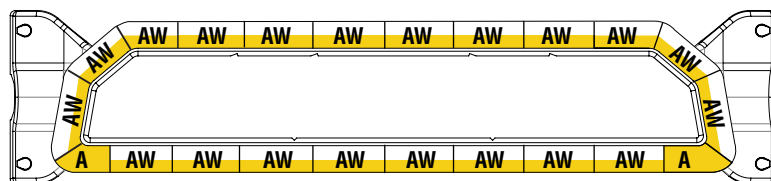- Catalog configuration models have Clear domes

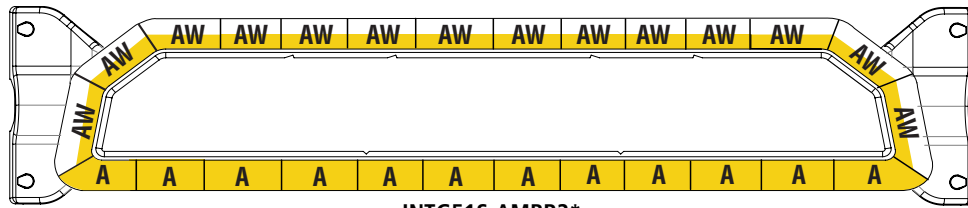## Popular Models

44" Integrity
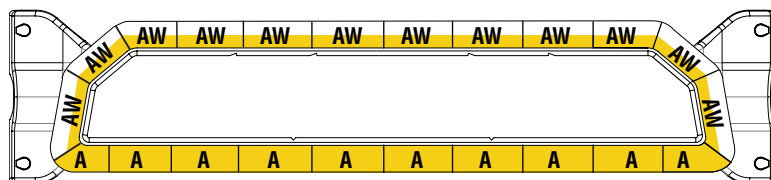
INTG44S-AMBR2
SignalMaster, front flood feature, hook mount and 6-button controller included
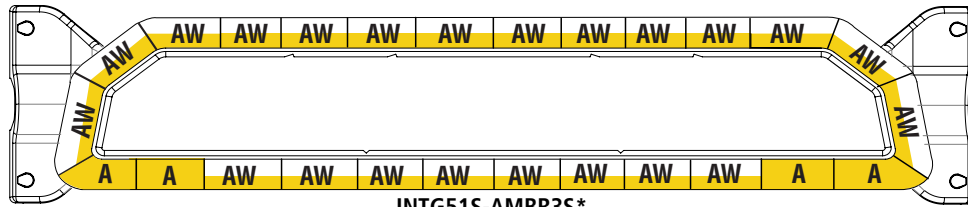
INTG44S-AMBR3
SignalMaster, front and rear flood feature, hook mount and 6-button controller included
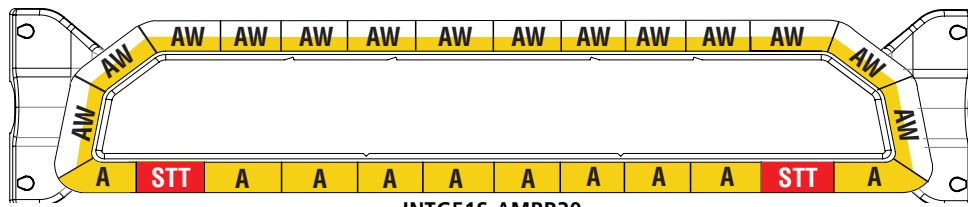
FEDERAL SIGNAL

51" Integrity

INTG51S-AMBR2*
SignalMaster, front flood, hook mount and 6-button controller included

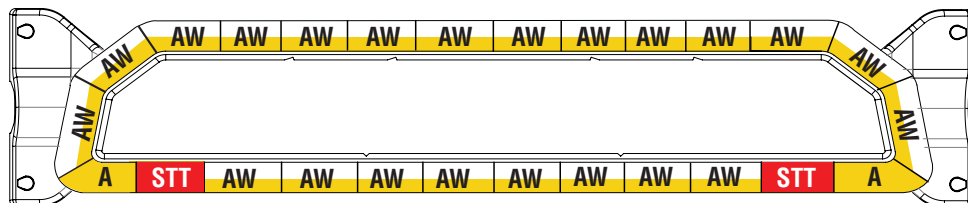**INTG51S-AMBR3S***
SignalMaster, front and rear flood, hook mount and 6-button controller included

INTG51S-AMBR30
SignalMaster, front flood, stop/tail/turn, flat mount and 6-button controller included

INTG51S-AMBR31
SignalMaster, front and rear flood, stop/tail/turn, flat mount and 6-button controller included

*Stock model

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	INTG44	INTG51
Specifications		
Operating Voltage	12.8 VDC	
Operating Temp	-40˚ C to +65˚ C	
Current Draw	24 Amps (Steady)	26 Amps (Steady)
Physical Specifications		
Height	1.96 in (5.0 cm)	1.96 in (5.0 cm)
Length	43.7 in (111.0 cm)	51.3 in (130.3 cm)
Depth	1.96 in (5.0 cm)	1.96 in (5.0 cm)
Shipping Weight		
with standard mounting	21.5 lbs (9.8 kg)	24.5 lbs (11.1 kg)

Valor® | Lightbar

Features

- Low-profile, non-linear, V-shaped lightbar

- FS Convergence Network, serial lightbar

- Available in 44" and 51" lengths

- Combine effective warning with the tactical benefits of flood lighting capability and can be activated as left-flood, right-flood or full-flood

- Six-button controller for ease of installation and lightbar control

- Optional quick disconnect for easy service removal from vehicle

- Integrated Vortex® generators for increased fuel efficiency and reduced wind noise

- SpectraLux™ multicolor LED technology

- Solaris® LED reflector technology

- ROC (Reliable Onboard Circuitry™) technology

- Five-year LED warranty

Approvals

- SAE, Class 1

- CAC Title 13

CLASS 1 TITLE XIII Online Lightbar Configurator CONVERGENCE network ROC™ RELIABLE ONBOARD CIRCUITRY SOLARIS SpectraLux
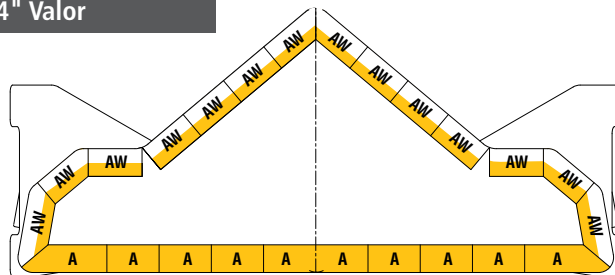
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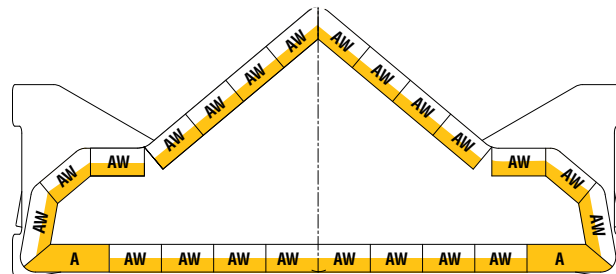- Catalog configuration models have Clear domes
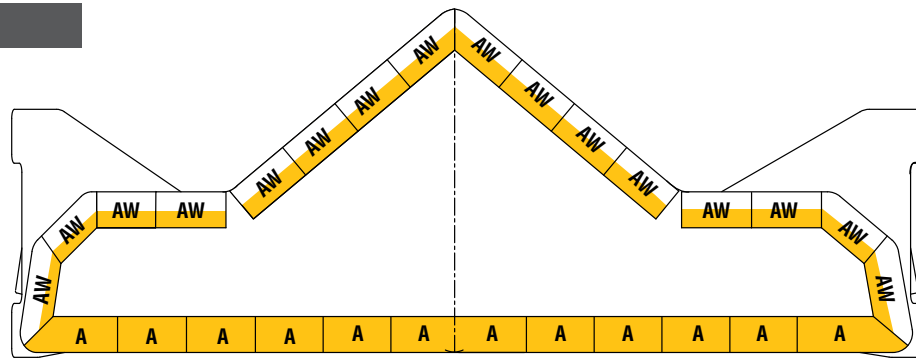
Popular Models

44" Valor

VALR44S-AMBR2
SignalMaster, front flood feature, hook mount and
6-button controller included

VALR44S-AMBR3
SignalMaster, front and rear flood feature, hook mount and
6-button controller included

FEDERAL SIGNAL

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51" Valor

VALR51S-AMBR2
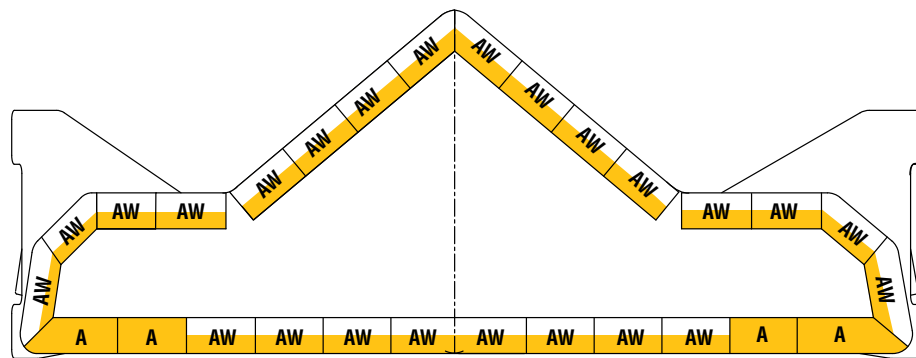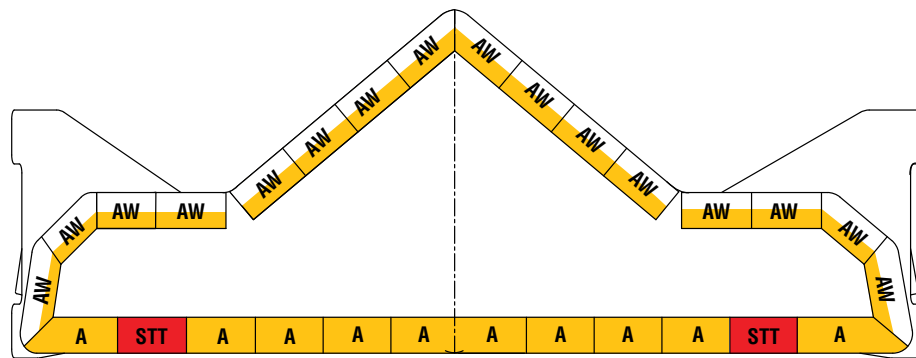SignalMaster, front flood feature, hook mount, and 6-button controller included

VALR51S-AMBR3
SignalMaster, front and rear flood feature, hook mount and 6-button controller included

VALR51S-AMBR23
SignalMaster, front flood feature, stop/tail/turn, hook mount and
6-button controller included

	VALR44	VALR51
Specifications		
Operating Voltage	12 VDC	
Operating Temp	-40° C to +65° C	
Current Draw	24 Amps (Steady)	
Physical Specifications		
Height	1.96 in (5.0 cm)	1.96 in (5.0 cm)
Length	43.7 in (111.0 cm)	51.3 in (130.3 cm)
Depth	1.98 in (5.0 cm)	1.98 in (5.0 cm)
Shipping Weight		
with standard mounting	39.3 lbs (17.8 kg)	43.2 lbs (19.6 kg)

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