

2017 WORK TRUCK PRODUCT CATALOG



Work Zone defense

Safety signaling solutions from Federal Signal



www.fedsig.com



Federal Signal is **The Driving Force™** behind the technology that provides safe and reliable emergency warning for municipal, utility, tow and recovery, and DOT vehicles. It is our commitment to engineer the most reliable and high-performing products for your work trucks.

Exclusive to Federal Signal, these technologies are identified on the following product pages.
Ask your local FS Representative how you can experience the latest in Federal Signal products.



Federal Signal Exclusive Technologies



SPECTRALUX™ multicolor LED technology provides the ability for a LED light head to change color while in operation. LEDs can change between Red, Blue, Amber or White through user-selected flash patterns.



SOLARIS® LED reflector technology is engineered to increase off-axis warning and maximize the LED light source to eliminate dark spots and distribute 360-degree of light coverage.



SLR (SOLARIS® LED ROTATOR) design maximizes the LED light source for full light coverage. The SLR rotates the Solaris LED reflector providing superior LED warning light output.



FS CONVERGENCE NETWORK provides “plug-n-play” installation from Federal Signal’s SmartSiren® Platinum, amplifier and controller, to our family of serial communication lightbars and SpectraLux ILS Interior Lighting System.



ROC (RELIABLE ONBOARD CIRCUITRY™) technology eliminates approximately 85% of the connection failure points found in a typical lightbar. Wires, connections and assemblies are replaced by PCB assemblies — reducing labor repair time and increasing the road time for emergency vehicles.



HOTFOOT® lighted mounting feet provide additional light through powerful Solaris LED reflectors that are built into the mounting system of the lightbar.

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General Notes	
1. All voltage is 12V (V denotes volts) unless marked otherwise. Contact the factory for pricing and availability of 24V models.	
2. Standard rotators: 95 FPM. Medium rotators: 120 FPM. Fast rotators: 175 FPM (halogen models).	
3. Prices for lightbars do not include controls (purchase separately) unless otherwise noted.	
4. Product code: -95 and Z=Service Replacement Parts.	
5. For detailed information on how to order, consult the product bulletins or contact the factory at 800-824-0254.	
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Lightbar Specifications

	Legend® LPXH Tow Discrete	Legend® LPX Discrete	Legend® LPX	Legend®	Navigator™	Integrity™	Valor®
Technology							
SpectraLux® Multicolor LED					●	●	●
Solaris®	●	●	●	●	●	●	●
SLR					●		
ROC (Reliable Onboard Circuitry™)	●	●	●	●	●	●	●
Convergence Network			●	●	●	●	●
Traditional Cable	●	●			●		
Features							
SignalMaster™ Capability			●	●	●	●	●
Low Power/Dimming			●	●	●	●	●
Front/Rear Control	●	●	●	●	●	●	●
Online Configurator		●	●	●	●	●	●
Length — Wing Lights / Mini-Lightbars							
10"					●		
12"				●**			
18"					●		
24"		●		●			
25"					●		
Length — Full size							
44"						●	●
51"						●	●
53"	●	●	●	●			
60"					●		
61"	●	●	●	●			
70"		●	●	●			
73"					●		
87"					●		
Approvals							
SAE Class 1	●	●	●	●	●	●	●
CAC Title 13				●	●	●	●
Options							
LED Takedowns		●	●	●	●	●	●
LED Alley Lights		●	●	●	●	●	●
LED Work Lights	●	●	●	●	●	●	●
Flood Lighting					●	●	●
LED S/T/T	●	●	●	●	●	●	●
Wireless Controller Option			●	●	●*	●	●

*Convergence Network Models

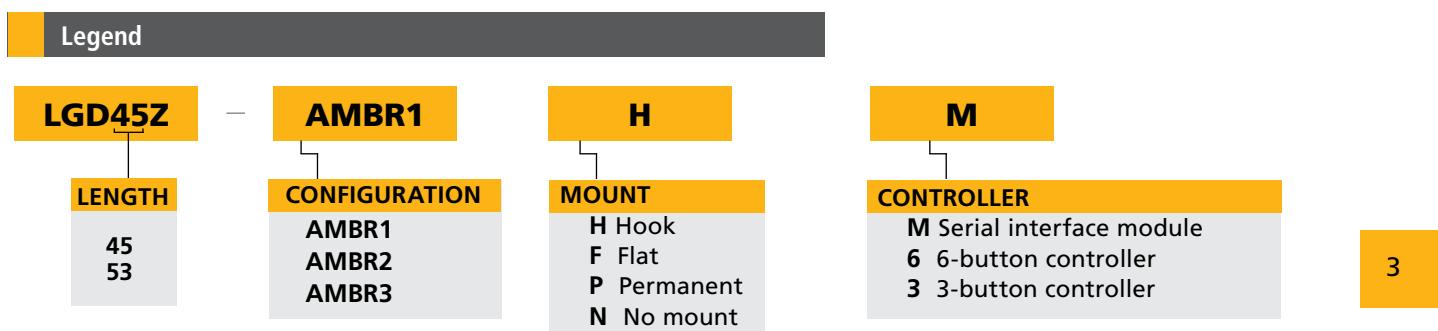
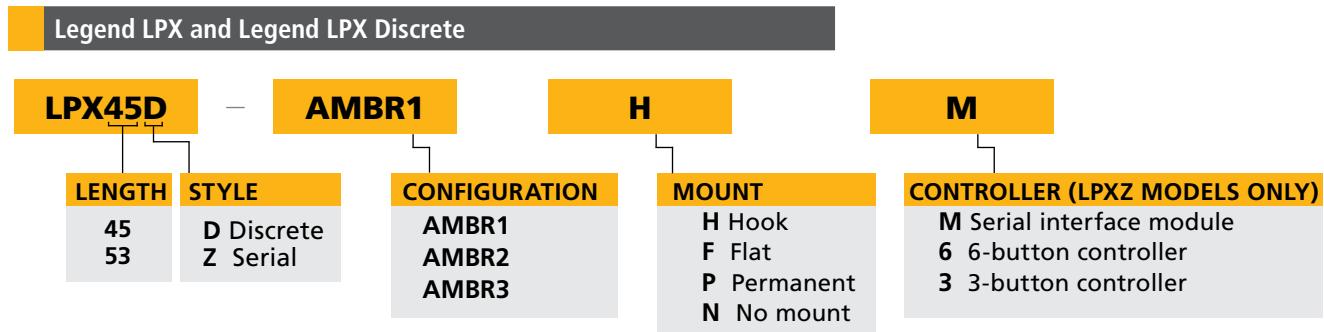
**12" Legend Sets are Traditional Cable



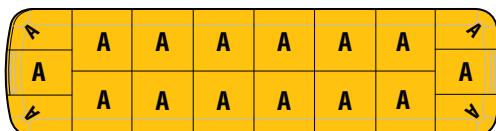
FEDERAL SIGNAL

Lightbar Ordering Guide | Legend® Series

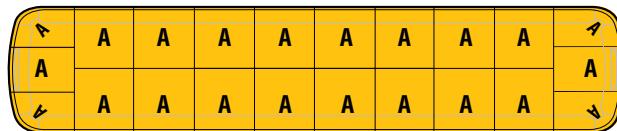
Build a lightbar part number below by selecting length, style, configuration, mount, and controller.
For popular models, refer to lightbar product pages (see notes below).



AMBR1 All Amber



45-inch



53-inch

AMBR2 Amber with (2) LED takedowns and (2) LED alley lights



45-inch



53-inch

AMBR3 Amber with (2) LED work lights



45-inch



53-inch

NOTES

- See [page 12](#) for Legend LPX Discrete product overview
- See [page 14](#) for Legend LPX product overview
- See [page 16](#) for Legend product overview
- Catalog configuration models have clear domes

LIGHTBAR ABBREVIATIONS

TD Takedown
AL Alley Light

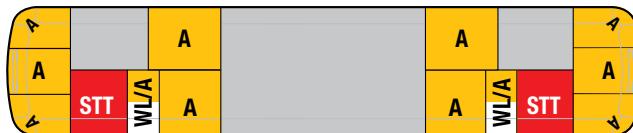
WL Work Light
A Amber LED Head

Stock Lightbar Program | Legend® Series

Program Details

- Orders of (5) or more may be split or dated out depending on stock at the time of order
- Shipping lead times may vary on orders marked "shipped complete"
- Modifications cannot be made to stock lightbars including but not limited to: mount, controller, length and dome colors
- Standard terms and conditions apply

Legend LPXH Tow Discrete Stock Models



LPX53H
53", Amber, S/T/T lights, work lights, Gray domes, flat mount
LPX53HS

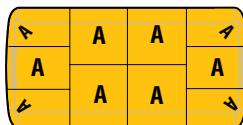
Weatherpack connector included



LPX61H
61", Amber, S/T/T lights, work lights, Gray domes, flat mount
LPX61HS

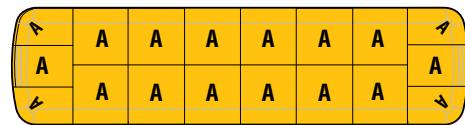
Weatherpack connector included

Legend LPX Discrete Stock Models



LPX24D-00003S
24", All Amber, flat mount, Clear domes
LPX24D-AMBR1P

24", All Amber, permanent mount, Clear domes



LPX45D-AMBR1H
45", All Amber, hook mount, Clear domes



LPX53D-AMBR2H
53", Amber, takedowns, alley lights, hook mount, Clear domes



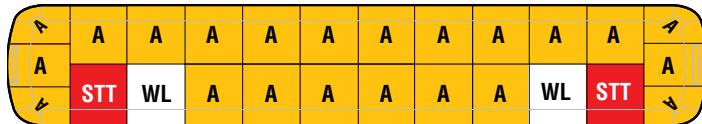
LPX61D-00026S
61", Amber and Red, S/T/T lights, work lights,
flat mount, Clear domes



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Stock Lightbar Program | Legend® Series

Legend LPX Discrete Stock Models



LPX61D-00017S
61", Amber, S/T/T lights, work lights, flat mount, Clear domes
LPX61DS-00005S
with Weatherpack connector

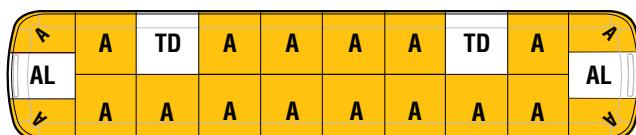
Legend LPX Stock Models



LPX45Z-AMBR2H6
45", Amber, takedowns, alley lights, hook mount,
Clear domes, 6-button controller



LPX53Z-00025S
53", Amber, hook mount, Clear domes, 6-button controller



LPX53Z-AMBR2H6
53", Amber, takedowns, alley lights, hook mount,
Clear domes, 6-button controller



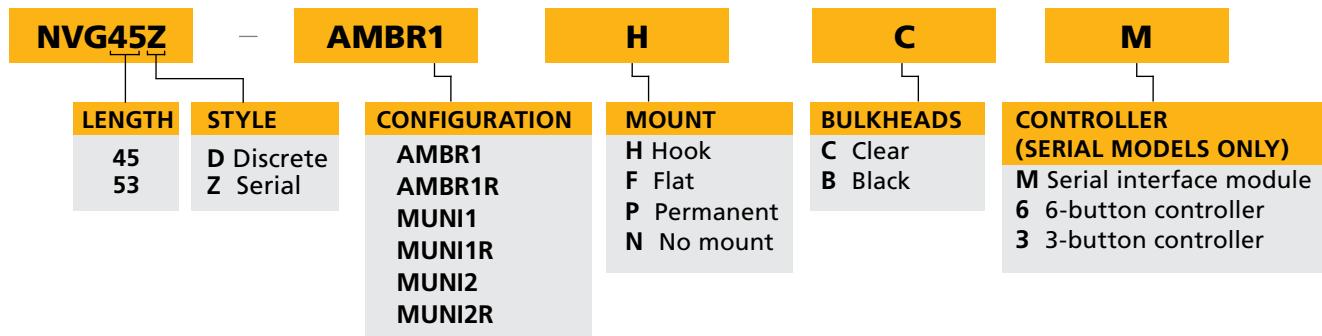
LPX70Z-00002
70", Amber, S/T/T lights, work lights,
flat mount, Clear domes, serial interface module

Lightbar Ordering Guide

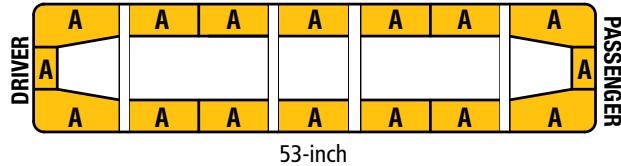
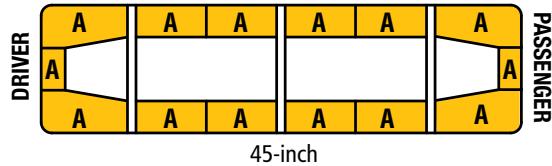
Navigator® Series

Build a lightbar part number below by selecting length, style, configuration, mount, and controller.
For popular models, refer to lightbar product pages (see notes below).

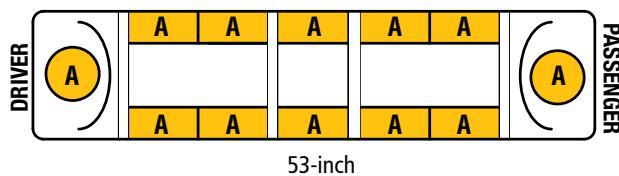
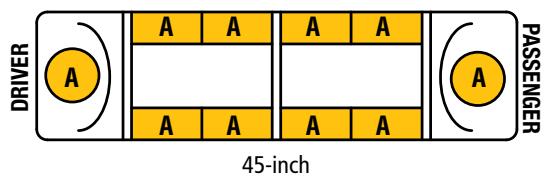
Navigator Discrete and Navigator Serial



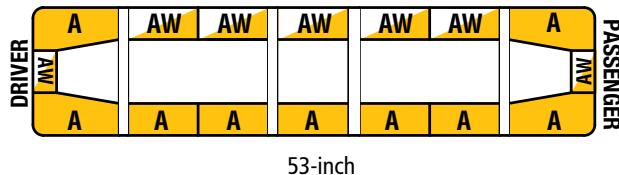
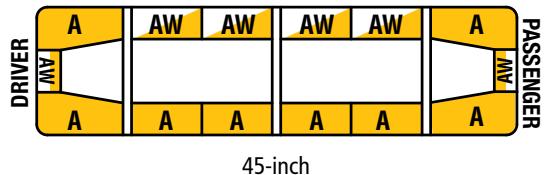
AMBR1 All Amber, SignalMaster



AMBR1R SignalMaster, SLR rotators



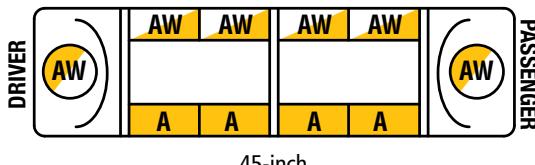
MUNI1 SignalMaster, front flood, alley light



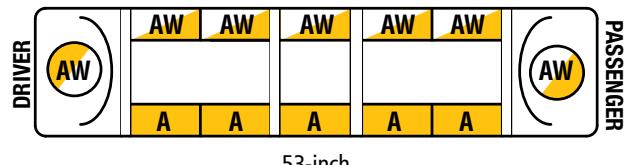
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Lightbar Ordering Guide | Navigator® Series

MUNI1R SignalMaster, SLR rotators, front flood, alley light

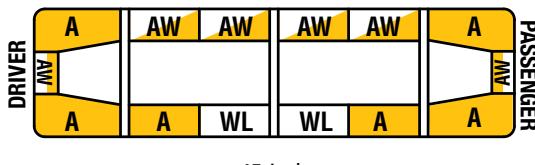


45-inch

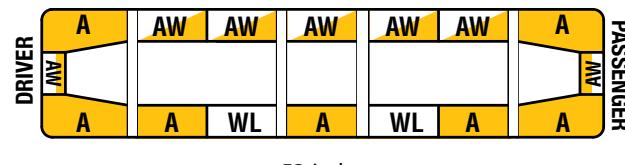


53-inch

MUNI2 front flood, alley light, work lights



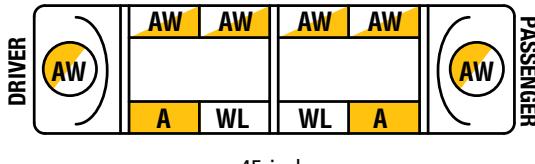
45-inch



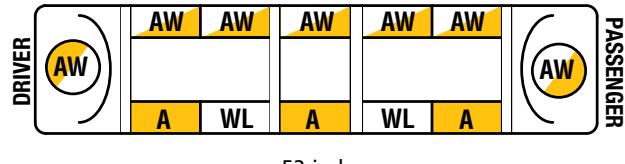
53-inch

7

MUNI2R SLR rotators, front flood, alley light, work lights



45-inch



53-inch

NOTES

- See [page 18](#) for Navigator Discrete product overview
- See [page 20](#) for Navigator Serial product overview
- Catalog configuration models have Clear domes

LIGHTBAR ABBREVIATIONS

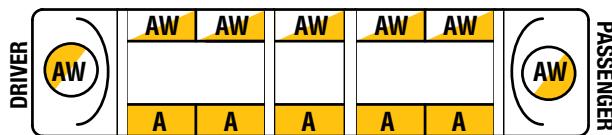
TD	Takedown	WL	Work Light
AL	Alley Light	A	Amber LED Head

Stock Lightbar Program | Navigator® and Integrity™

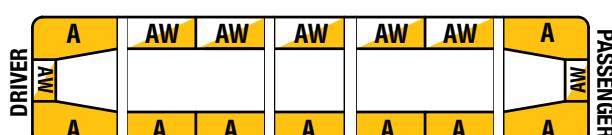
Program Details

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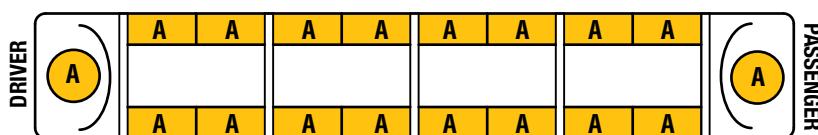
Navigator Stock Models



53", front flood, alley lights, SignalMaster,
hook mount, Clear domes, Clear bulkheads

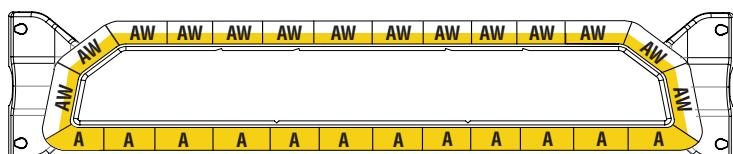


53", SignalMaster, front flood, alley lights, hook mount,
Clear domes, Clear bulkheads

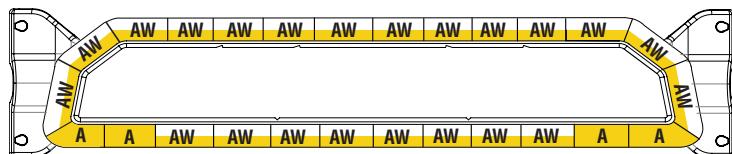


73", All Amber, flat mount, Clear domes, Clear bulkheads

Integrity Stock Models



SignalMaster, front flood, hook mount, 6-button controller, Clear domes



SignalMaster, front and rear flood, hook mount, 6-button controller, Clear domes



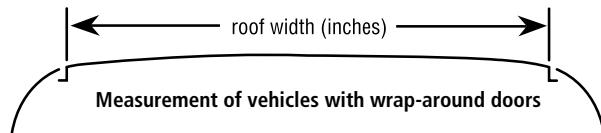
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Hook Kit Reference Guide

For the most up-to-date hook mount information, contact Customer Support at 800-824-0254.

CARS, VANS AND SUV'S

MAKE/MODEL	YEAR	HOOK KIT MODEL #	ROOF WIDTH
FORD			
C-MAX	2015-16	HKB-LPCHGR11	47.5"
	2013-14	HKB-CAR8	51.5"
Edge	2012	HKB-FRD7	52.0"
Escape	2013-16	HKB-ESC13	52.5"
Expedition	2003-16	HKB-FTEX	52.0"
	2011-16	Permanent Mount	55.0"
Explorer	2008-10	HKB-XPL8	51.0"
Fiesta SE	2013-16	HKB-LPCHGR11	45.0"
Flex	2012	HKB-LPCHGR11	57.0"
	2013-16	HKB-LPCHGR11	48.5"
Focus	2011-12	HKB-CHGR	48.0"
	2013-2016	HKB-LPCHGR11	46.5"
Fusion	2011-12	HKB-CHGR	48.5"
Mustang	2012-14	Permanent Mount	46.0"
Police Interceptor Sedan	2013-17	HKB-TAR11	52.5"
Police Interceptor Utility - Lightbar lengths 44-, 45- and 46-inch	2013-17	HKB-FPIU13-44	55.5"
Police Interceptor Utility - Lightbar lengths 51- and 53-inch	2013-17	HKB-FPIU13B	55.5"
Taurus	2011-16	HKB-TAR11	52.5"
Transit (Low Roof)	2015-16	HKB-LPCHGR11	54.0"
Transit (Raised Roof)	2015-16	Permanent Mount	NA
Transit Connect (Low Roof)	2013-16	HKB-TCON	54.0"
Van	1987-15	HKB-SAV	65.0"
CHEVROLET/GM			
Camaro	2011-14	Permanent Mount	50.0"
Caprice	2011-16	HKB-CAP11B	49.25"
Equinox LS (NO Roof Rails)	2012-16	HKB-IMP7	48.0"
Express Van	2003-16	HKB-SAV	61.0"
	2014-16	HKB-LPCHGR11	49.5"
Impala (Civilian)	2006-13	HKB-IMP7	46.5"
Impala Limited & Limited Police	2014-16	HKB-IMP7	46.5"
	2012-15	HKB-LPCHGR11	48.0"
Malibu	2008-11	HKB-MAL8	47.0"
Sonic (Sedan or Hatchback)	2012-15	Permanent Mount	43.0"
Suburban (No Roof Rails) - Lightbar Lengths 44-, 45- and 46-inch	2015-16	HKB-TAH15-44	55.0"
	2007-14	HKB-TA10	55.0"
Suburban (No Roof Rails) - Lightbar Lengths 51- and 53-inch	2015-16	HKB-LPCHGR11	55.0"
	2007-14	HKB-TA10	55.0"
Tahoe - Lightbar lengths 44-, 45- and 46-inch	2015-16	HKB-TAH15-44	55.0"
	2007-14	HKB-TA10	55.0"
Tahoe - Lightbar lengths 51- and 53-inch	2015-16	HKB-LPCHGR11	55.0"
	2007-14	HKB-TA10	55.0"
Traverse (Roof Rails Interfere)	2012-16	Permanent Mount	53.0"
Traverse (No Roof Rails)	2017	HKB-IMP7	53.0"
Volt	2012-15	HKB-LPCHGR11	47.0"
CHRYSLER/DODGE/JEEP			
200	2012-14	HKB-FRD4	50.0"
Challenger	2012-15	Permanent Mount	54.5"
Charger	2011-16	HKB-LPCHGR11	50.25"
	2006-10	HKB-CHGR	47.0"
Durango (No Roof Rails)	2011-17	HKB-MAL7	54.0"
Grand Caravan/Town & Country	2008-16	HKB-CAR8	60.0"
Grand Cherokee (No Roof Rails)	2011-16	HKB-MAL7	54.0"
Liberty	2012	HKB-CAR8	55.0"
Patriot (No Roof Rails)	2015-16	HKB-FPIU13B	49.0"
Wrangler	2012-13	Permanent Mount	N/A



MAKE/MODEL	YEAR	HOOK KIT MODEL #	ROOF WIDTH
NISSAN			
Leaf	2015-2016	HKB-LPCHGR11	N/A
SUBARU			
WRX	2012	HKB-LPCHGR11	47.0"
TRUCKS			
MAKE/MODEL	CAB STYLE	YEAR	HOOK KIT MODEL #
FORD			
F-150 Lightbar lengths 44-, 45- and 46-inch	All	2015-17	HKB-FRD15-44
		2009-13	HKB-FRD9
F-150 Lightbar lengths 51- and 53-inch	All	2015-17	HKB-FRD15
		2009-13	HKB-FRD9
F-250/350/450 Lightbar lengths 44-, 45-, and 46-inch	All	2017	HKB-FRD15-44
		2007-16	HKB-FHD7
F-250/350/450 Lightbar lengths 51- and 53-inch	All	2017	HKB-FRD15
		2007-16	HKB-FHD7
F-550	All	2015	HKB-FHD7
CHEVROLET/GMC			
Avalanche (w/o Roof rack only)	Crew	2002-13	HKB-CK2
		2015-16	HKB-COL15
Colorado/Canyon	All	2007-12	HKB-COL7
Silverado/Sierra (1500) Lightbar lengths 44-, 45- and 46-inch	All	2014-17	HKB-TAH15-44
		2007-13	HKB-TA10
Silverado/Sierra (1500) Lightbar lengths 51- and 53-inch	All	2014-17	HKB-LPCHGR11
		2007-13	HKB-TA10
Silverado/Sierra (2500, 3500) Lightbar lengths 44-, 45- and 46-inch	All	2015-16	HKB-TAH15-44
		2007-14	HKB-TA10
Silverado/Sierra (2500 & 3500) 51- and 53-inch	All	2015-16	HKB-LPCHGR11
		2007-14	HKB-TA10
DODGE			
Ram (1500, 2500, 3500)	All	2010-17	HKB-FRD9
INTERNATIONAL			
Durastar/4300 cab	All	2012-16	HKB-FHD7
			65.75"

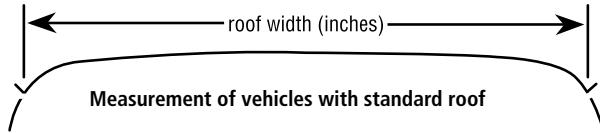
All Federal Signal lightbars may be permanent or hook-on mounted. When using a hook-on mount, a separate hook kit is required for the make, model and year of your vehicle. Use the hook kit reference guide to find your vehicle's appropriate hook kit. Measurements for the roof width are determined by the style of the vehicle. These measurements may help you in choosing the lightbar length best suited for your vehicle.

Transfer of lightbars from one vehicle to another

From time to time, departments will remove a lightbar from an older vehicle and re-install it on a newer vehicle. Before performing this kind of transition, be sure to contact our Service Department to ensure that you not only have the proper Hook Kit, but that you also have the latest design Lightbar Mount Foot. Mounting Foot designs continuously improve over time, and it is recommended that you utilize the most current Mount Foot design when re-installing an older lightbar on a newer vehicle.

Note

The hook kit reference guide is updated on an ongoing basis as information becomes available. Please check the hook kit reference guide online at www.fedsig.com for up-to-date vehicle and hook kit listings. For older vehicle make and model year hook kit offerings, please contact Customer Support at (800) 264-3578.



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

10



LPX61H



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

Approval

- SAE J845, Class 1

Applications

- Tow & Recovery



Model LPX61H Legend LPXH Tow Discrete



FEDERAL SIGNAL

Legend® LPXH Tow Discrete | Lightbar

53" Legend LPXH Tow Discrete



LPX53H*

LPX53HS* (Weatherpack connector)

Flat mount included

61" Legend LPXH Tow



LPX61H*

LPX61HS* (Weatherpack connector)

Flat mount included

11

*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

12

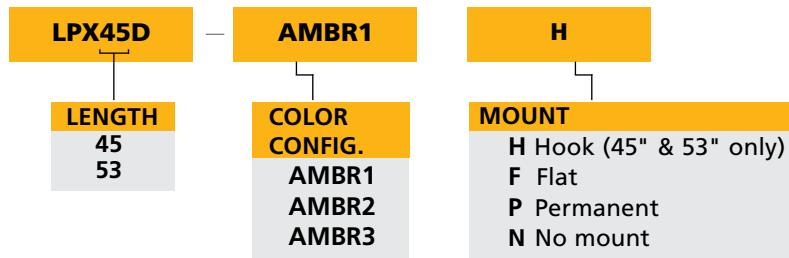


LPX61D-00017



How to Order

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

Approvals

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

	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

LEDs available in: 
 Domes available in: 

24" Model—Domes are available
in Amber/Clear

Popular Models

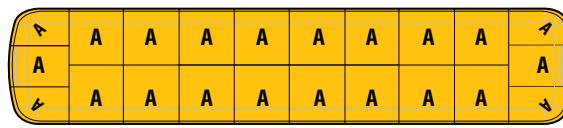
45" Legend LPXD



LPX45D-AMBR1H*

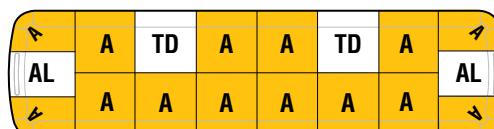
Hook mount included

53" Legend LPXD



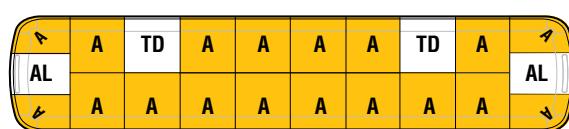
LPX53D-AMBR1H

Hook mount included



LPX45D-AMBR2H

Hook mount included



LPX53D-AMBR2H*

Hook mount included

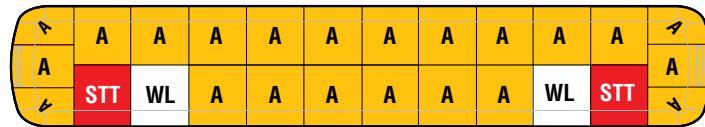
53" Legend LPXD



LPX53D-00021

Flat mount included

61" Legend LPXD

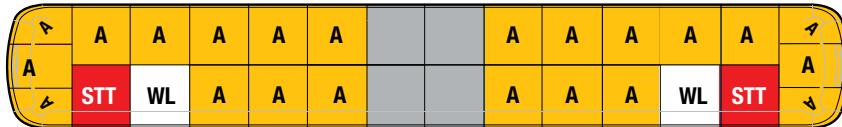


LPX61D-00017S*

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

14

Approval

- SAE J845, Class 1



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

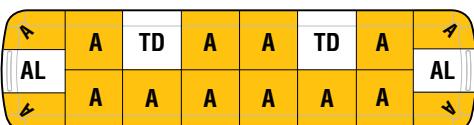
Popular Models

45" Legend LPX



LPX45Z-AMBR1H6

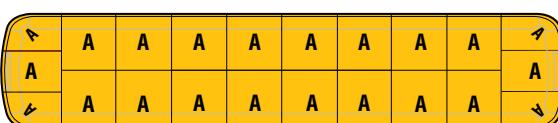
Hook mount and 6-button controller included



LPX45Z-AMBR2H6*

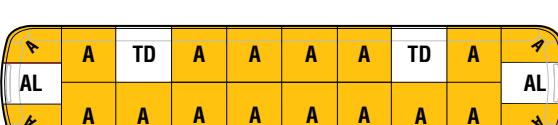
Hook mount and 6-button controller included

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

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

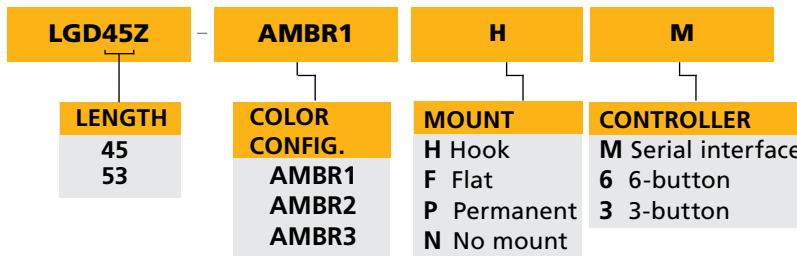
- All-LED lightbar— work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available
- FS Convergence Network, serial lightbar
- Available in 24", 45", 53", 61" and 70" lengths
- Built-in SignalMaster, front/rear cut-off, intersection warning and "dimming" functions
- Advanced microprocessor 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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How to Order

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



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

24" Model—Domes are
available in Amber/Clear

Popular Models

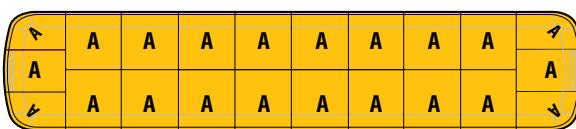
45" Legend



LGD45Z-AMBR1H6

Hook mount and 6-button controller included

53" Legend



LGD53Z-AMBR1H6

Hook mount and 6-button controller included



LGD45Z-AMBR2H6

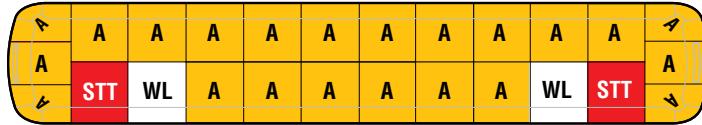
Hook mount and 6-button controller included



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

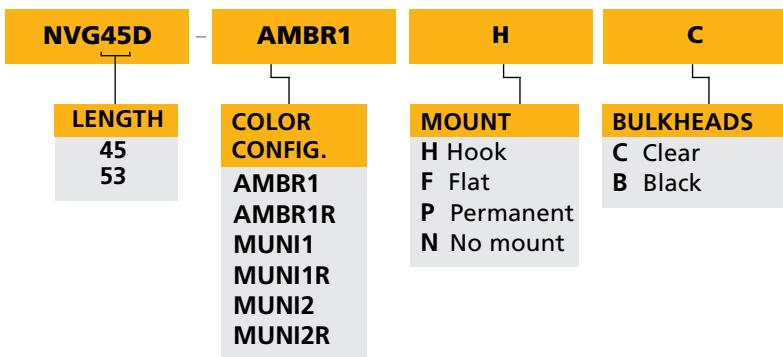
18



CLASS 1 **TITLE XIII** [Online Lightbar Configurator](#)

How to Order

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



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

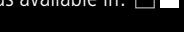
NOTES

- See [page 6](#) for Navigator ordering guide
- See [page 8](#) for Navigator Discrete stock lightbars
- See [page 9](#) for Hook Mount guide
- See [page 152](#) for common replacement parts
- Catalog configuration models have Clear domes and Clear bulkheads



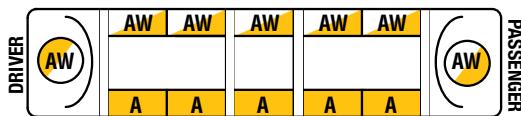
Stop/Tail/Turn features available

Navigator® Discrete | Lightbar

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

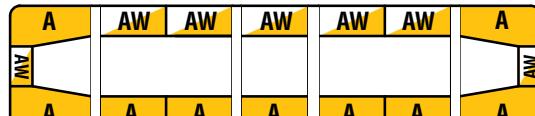
Popular Models

53" Navigator Discrete



NVG53D-MUNI1RHC*

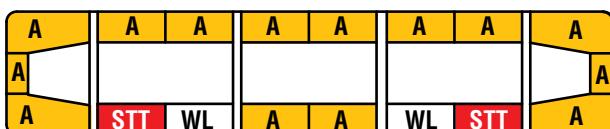
Front flood feature, alley feature, SignalMaster,
hook mount



NVG53D-MUNI1HC*

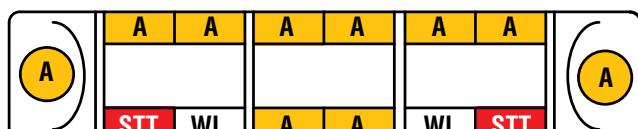
Front flood feature, alley feature, SignalMaster,
hook mount

60" Navigator Discrete



NVG60D-TOW1FC

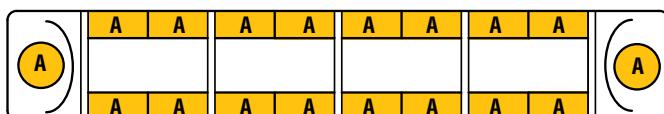
Flat mount



NVG60D-TOW2FC

Flat mount

73" Navigator Discrete



NVG73D-AMBR1RFC*

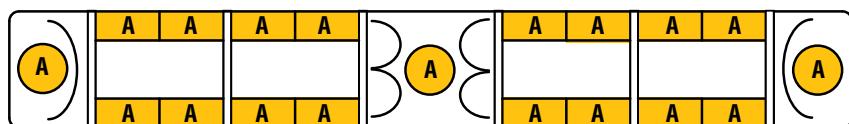
Flat mount



NVG73D-AMBR1FC

Flat mount

87" Navigator Discrete



NVG87D-AMBR3RFC

Flat mount

*Stock model

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
------------------------	--

Navigator® Serial | Lightbar

Features

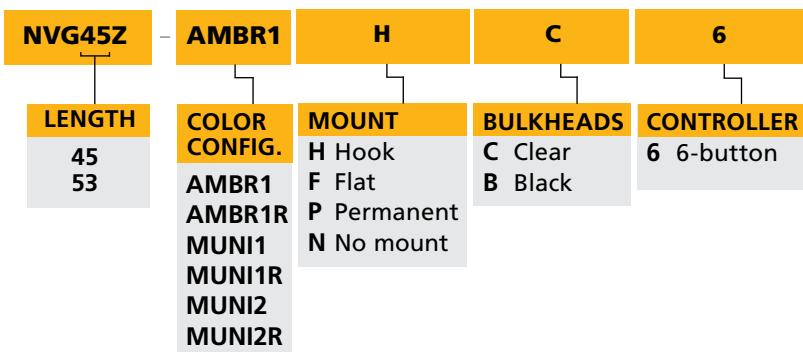
- All-LED lightbar— work lights, takedowns, alleys and S/T/T (stop/tail/turn) lights available
- High-profile, serial lightbar
- Available in 45", 53" and 60" lengths
- Optional 8-head SignalMaster™ directional warning (45", 53" and 60")
- Front flood capability
- Federal Signal patented SLR rotator 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

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How to Order

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



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 6](#) for Navigator Serial ordering guide
- See [page 9](#) for Hook Mount guide
- See [page 152](#) for common replacement parts
- Catalog configuration models have Clear domes and Clear bulkheads



QuadraFlare alley light

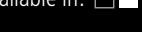
Approvals

- SAE Class 1
- CAC Title 13



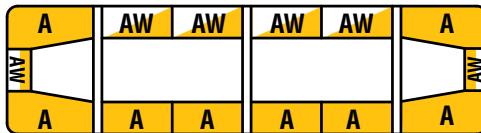
FEDERAL SIGNAL

Navigator® Serial | Lightbar

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

Popular Models

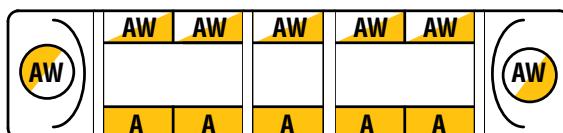
45" Navigator Serial



NVG45Z-MUNI1H6C

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

53" Navigator Serial

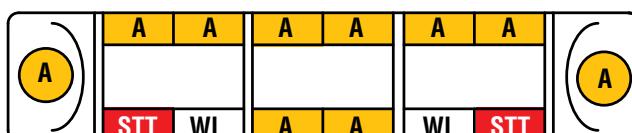


NVG53Z-MUNI1RH6C

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

21

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

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

22



How to Order

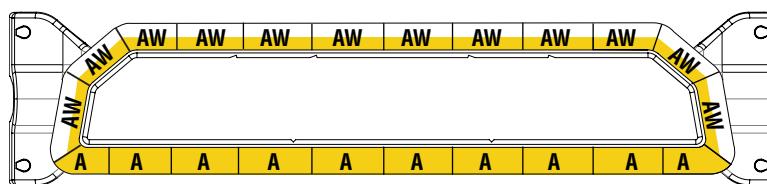
Choose one of the popular models, customize your own lightbar with our online configurator or contact a local Federal Signal representative or distributor.

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

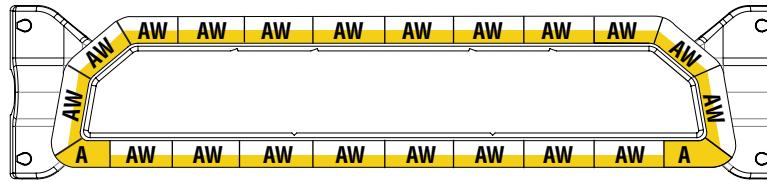
Popular Models

44" Integrity



INTG44S-AMBR2

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



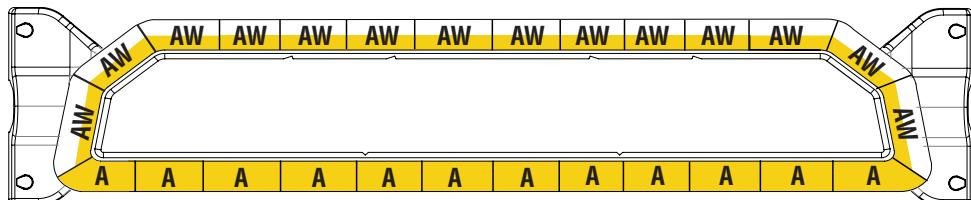
INTG44S-AMBR3

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



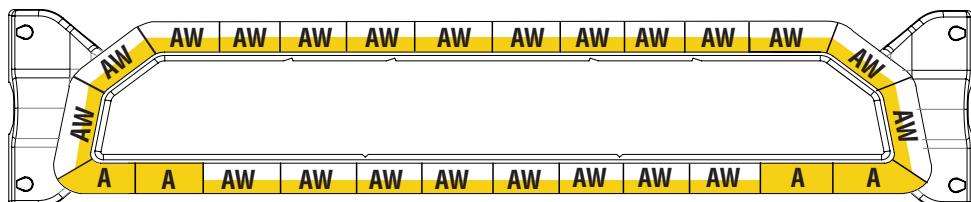
FEDERAL SIGNAL

51" Integrity



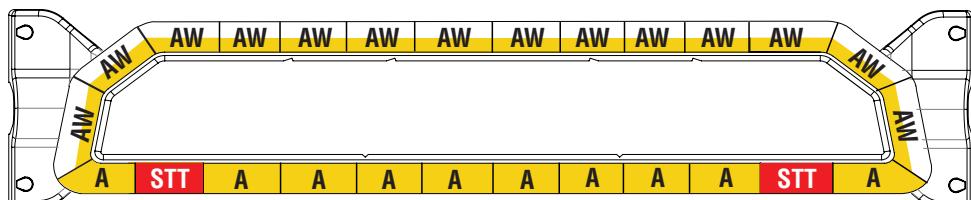
INTG51S-AMBR2*

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



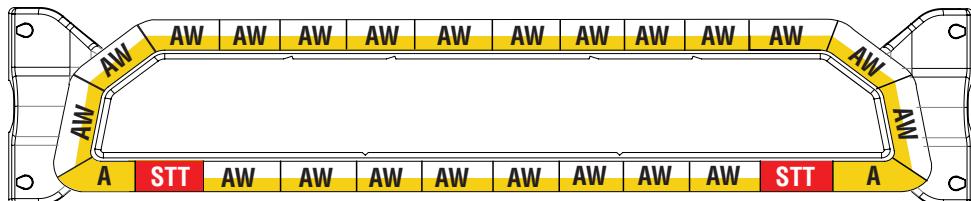
INTG51S-AMBR3*

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

	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

24

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**

How to Order

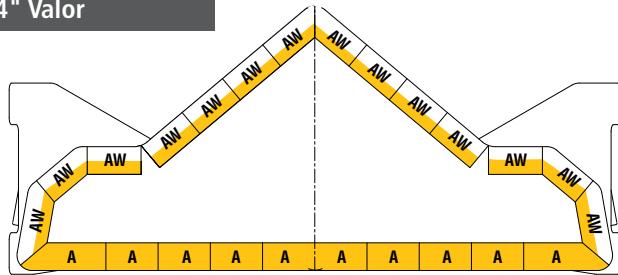
Choose one of the popular models, customize your own lightbar with our online configurator or contact a local Federal Signal representative or distributor.

NOTES

- See [page 9](#) for hook mount guide
- See [page 152](#) for common replacement parts
- Catalog configuration models have Clear domes

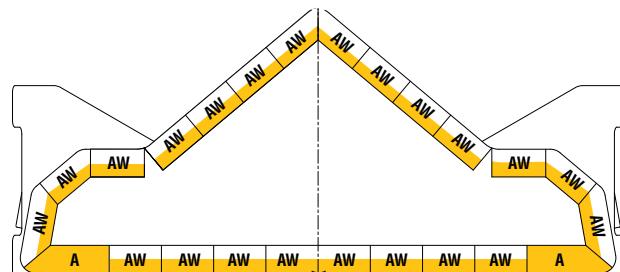
Popular Models

44" Valor



VALR44S-AMBR2

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



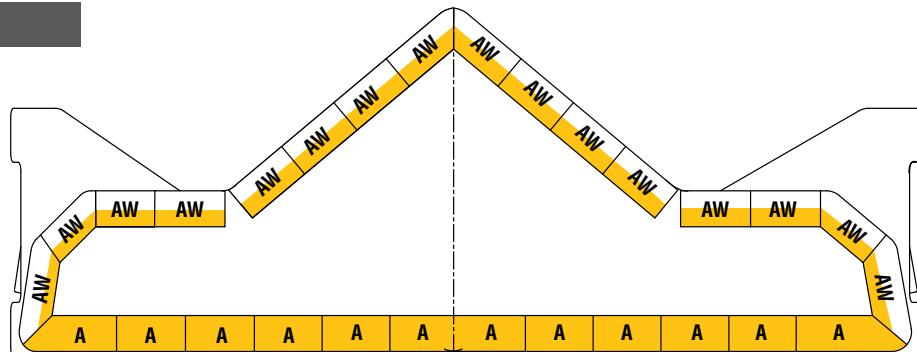
VALR44S-AMBR3

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



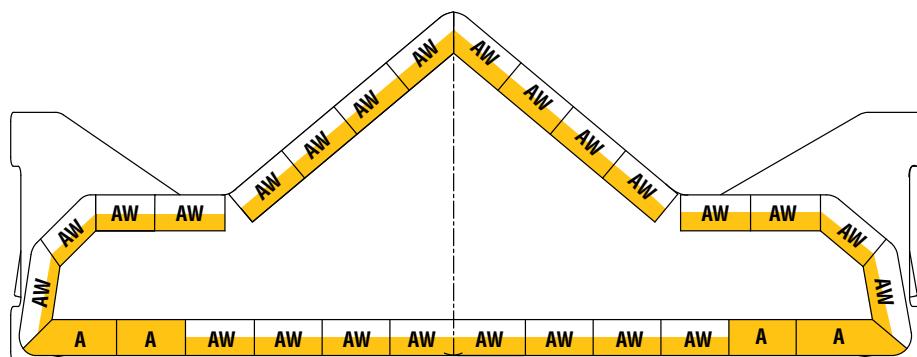
FEDERAL SIGNAL

51" Valor



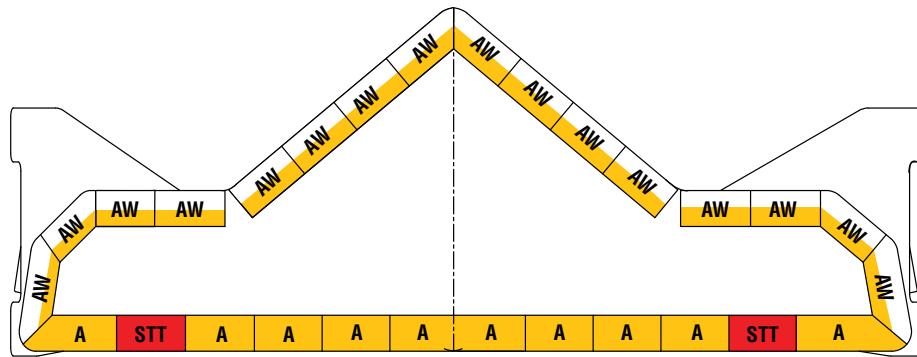
VALR51S-AMBR2

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)

18" and 25" Navigator® | Mini-Lightbar

Features

- High-profile, linear LED lightbar
- Traditional cable LED lightbar
- Available in 18" and 25" lengths
- Federal Signal patented SLR rotator optimizes LEDS for a true 360-degree of light output
- Two-color capability with LED colors in Amber, Blue, Green, Red and White
- Domes offered in Amber, Blue, Clear and Red
- Clear or Black bulkheads
- Flat mount, permanent, and 4" riser mounting options available
- SpectraLux™ multicolor LED technology
- Solaris® LED reflector technology
- Five-year LED warranty

26



NVG25-AMBR1RFB



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.



Clear bulkhead

Black bulkhead

	18"	25"
Specifications		
Operating Voltage	12.8 VDC	
Current Draw	1.5 Amps per QuadraFlare head/2.5 Amps per SLR rotator	
Physical Specifications		
Length	17.6 in (44.7 cm)	24.8 in (62.9 cm)
Width	12.5 in (31.8 cm)	
Height	4.5 in (11.43 cm)	
Shipping Weight		
	Varies by size and configuration of lightbar	



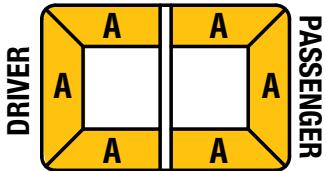
FEDERAL SIGNAL

18" and 25" Navigator® | Mini-Lightbar

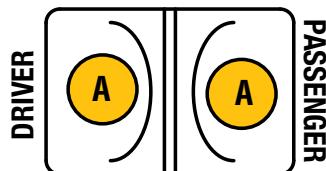
LEDs available in: Domes available in: Bulkheads available in:

Popular Models

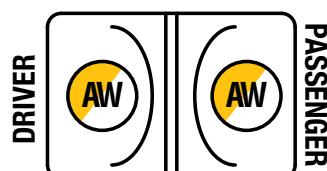
18" Navigator



NVG18-AMBR1FC
Flat mount, Clear dome,
and Clear bulkheads

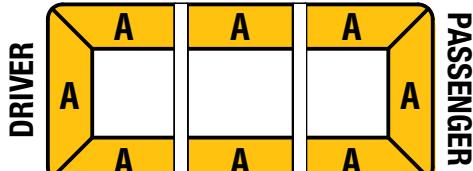


NVG18-AMBR1RFC
Flat mount, Clear dome,
and Clear bulkheads

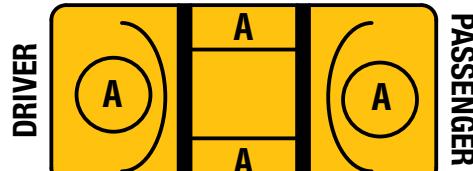


NVG18-MUNI1RFC
Flat mount, Clear dome,
and Clear bulkheads

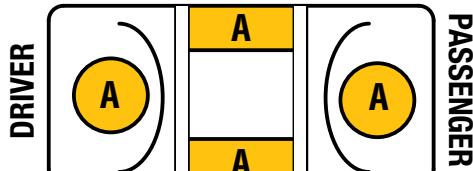
25" Navigator



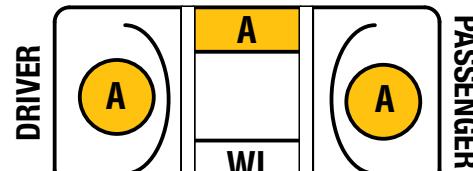
NVG25-AMBR1FC
Flat mount, Clear dome, and
Clear bulkheads



NVG25-AMBR1RFB
Flat mount, Amber dome, and
Black bulkheads



NVG25-AMBR1RFC
Flat mount, Clear dome, and
Clear bulkheads



NVG25-MUNI2RFC
Flat mount, Clear dome, and
Clear bulkheads



Z86531134B-01 – Permanent mount



Z8653178-2 – Flat mount



Z806501522-2 – 4-inch riser Navigator series

10" Navigator® | Mini-Lightbar

Features

- High-profile, linear LED lightbar
- Traditional cable LED lightbar
- 4-wire rugged high temperature and weather resistant TPR cable
- Two-color capability with LED colors in Amber, Blue, Green, Red and White
- Optional oscillate function to the front for rotating models
- Flat mount, permanent and 4" riser mounting options available
- SpectraLux™ multicolor LED technology
- Solaris® LED reflector technology
- Five-year LED warranty

28

Approvals

- SAE Class 1, J845
- CAC Title 13



NVG10-4AF



NVG10-AAF

CLASS 1

TITLE XIII

Online Lightbar Configurator

SOLARIS

SLR

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.

Additional Color Options



Specifications	
Operating Voltage	12.8 VDC
Current Draw	1.5 Amps per QuadraFlare head/2.5 Amps per SLR rotator
Physical Specifications	
Length	10.0 in (25.4 cm)
Width	12.5 in (31.8 cm)
Height	4.5 in (11.43 cm)
Shipping Weight	
	Varies by size and configuration of lightbar



FEDERAL SIGNAL

10" Navigator®

Mini-Lightbar

LEDs available in: 
Domes available in: 

10" Navigator — Rotating Models



NVG10-AAF
Flat mount and Clear dome



NVG10-AWF
Flat mount and Clear dome



NVG10-ARF
Flat mount and Clear dome



NVG10-AGF
Flat mount and Clear dome



NVG10-ABF
Flat mount and Clear dome

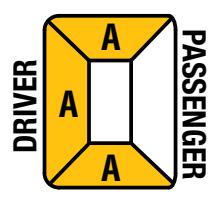
10" Navigator — Stationary Models



NVG10-4AF
Flat mount and Clear dome



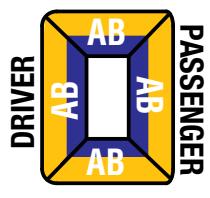
NVG10-4AWF
Flat mount and Clear dome



NVG10-3AF
Flat mount and Clear dome



NVG10-4ARF
Flat mount and Clear dome



NVG10-4ABF
Flat mount and Clear dome



NVG10-4AGF
Flat mount and Clear dome

24" Legend® LPX Discrete | Mini-Lightbar

Features

- Traditional cable
- Low-profile, linear lightbar design
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Eight (8) selectable flash patterns; Two (2) flashing modes
- LEDs offered in Amber, Blue, Green Red and White
- Top dome colors are offered in Amber and Clear
- Five-year LED warranty

30

Approval

- SAE J845, Class 1

Applications

- Construction
- Landscape
- Pick-up Trucks
- Snow Plows
- Tow Trucks



CLASS 1

Online Lightbar Configurator

ROC

SOLARIS

Model	Description
24" Model	
LPX24D-00003S*	Clear/Clear, (4) Amber corner LED reflectors, (4) Amber 5" LED reflectors, (2) Amber 2" LED reflectors, flat mount
LPX24D-AMBR1P*	Clear/Clear, (4) Amber corner LED reflectors, (4) Amber 5" LED reflectors, (2) Amber 2" LED reflectors, permanent mount
LPX24D-00015	Amber/Amber, (4) Amber corner LED reflectors, (4) Amber 5" LED reflectors, (2) Amber 2" LED reflectors, flat mount
Accessories and Kits	
660100SSG	RS485 relay module
HKB-(Model)	Hook required with hook-on mount, specify vehicle — see page 9

NOTE

- See [page 152](#) for common replacement parts

* Stock model lightbar

HOW TO ORDER

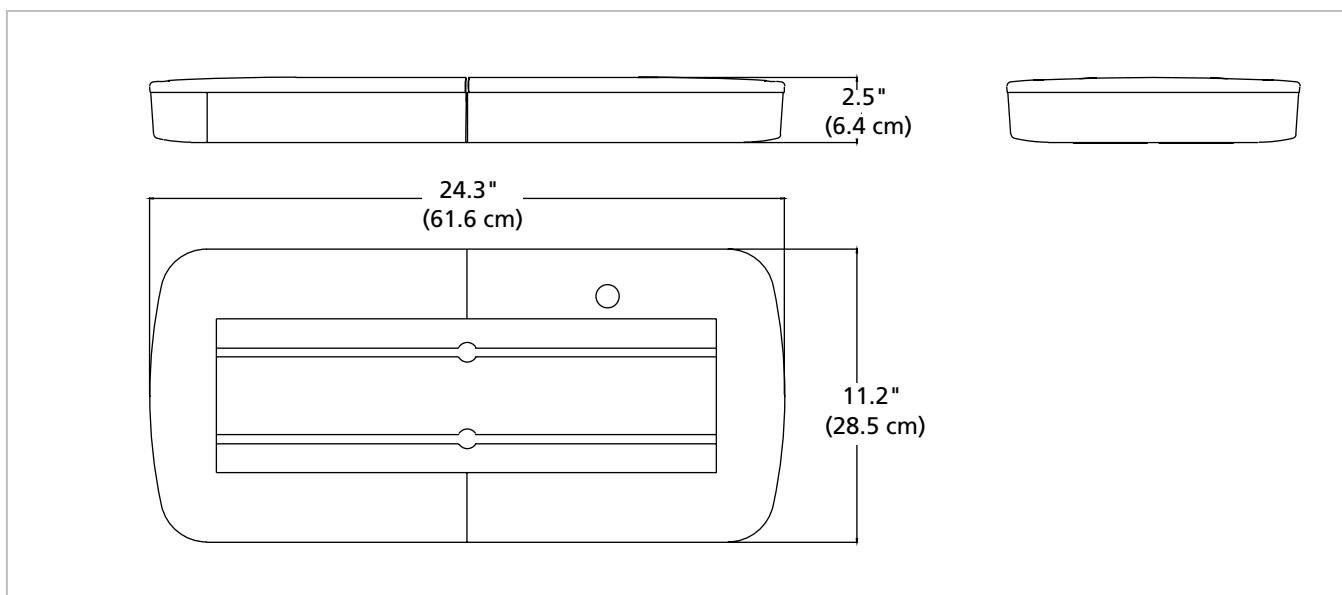
Choose one of the popular models above, customize your own lightbar with our online configurator or contact a local Federal Signal representative or distributor.



FEDERAL SIGNAL

24" Legend® LPX Discrete | Mini-Lightbar

LEDs available in:
 Domes available in:

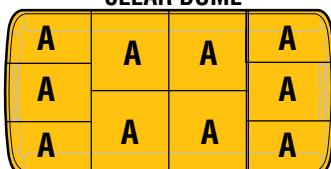


31

LPX24D	
Specifications	
Operating Voltage	12.8 VDC
Current Draw	1 Amp per head, 0.5 Amp per alley light
Physical Specifications	
Height	2.5 in (6.4 cm)
Length	24.3 in (61.6 cm)
Width	11.2 in (28.5 cm)
Shipping Weight	
	16.6 lb (7.5 kg)*

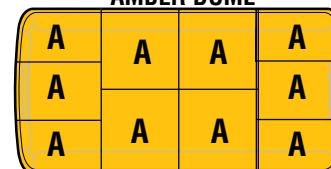
*Standard Foot Model

CLEAR DOME



LPX24D-00003S*
LPX24D-AMBR1P*

AMBER DOME



LPX24D-00015

*Stock model

12" Legend® Sets | Mini-Lightbar

Features

- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- 20-ft traditional cable
- Built-in flasher models include (8) selectable flash patterns
- Five-year LED warranty

32

Applications

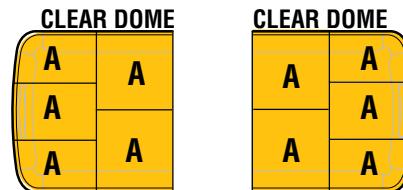
- Tow and Recovery Heavies
- Utility



Model	Description
Flat Mount Included	
LGD12Z-00001	Clear, (2) Amber corner LED reflectors, (2) Amber 5" LED reflectors, (1) Amber 2" reflector, built-in flasher, set
LGD12Z-00002	Clear, (2) Amber corner LED reflectors, (2) Amber 5" LED reflectors, (1) Amber 2" reflector, set
Accessories	
660100SSG	RS485 relay module
650205	Flasher, (2) 10 A loads, (10) flash patterns, high-side switching

NOTE

- See [page 152](#) for common replacement parts

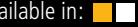


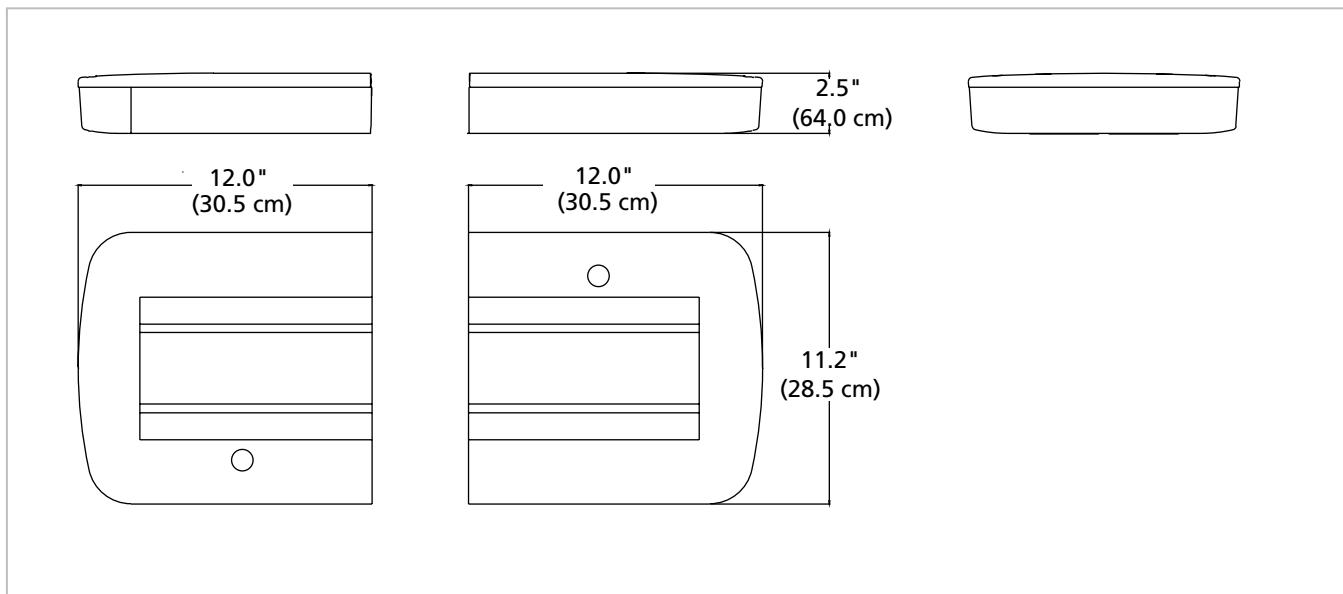
LGD12Z-00001
LGD12Z-00002



FEDERAL SIGNAL

12" Legend® Sets | Mini-Lightbar

LEDs available in: 
 Domes available in: 



Specifications	
Amp Draw	2.5 Amps @ 12.8 VDC
Flash Patterns	8
LED Color Options	Amber, Blue, Clear, Green and Red
Dome Color Options	Amber and Clear
Physical Specifications	
Height	2.5 in (64.0 cm)
Length	12.0 in (30.5 cm)
Width	11.2 in (28.5 cm)
Ship Weight	
	16.6 lbs (7.5 kg)*

33

*Standard foot 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 light heads
- Built-in 2-channel flasher with alternating flash patterns
- (4) relay outputs - (2) 10-Amp and (2) 15-Amp (not to exceed 40-Amps)

HighLighter™ LED | Mini-Lightbar

Features

- Low profile; only 2.7" tall
- Uniform 360-degree light distribution; no dark spots or shadows
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Five-year LED warranty

34

Approval

- SAE J845, Class 1

Applications

- Construction
- Landscape vehicles
- Pick-up trucks
- Snow plows



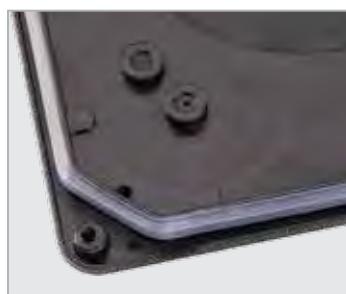
454101HL-02



Model	Description
Suction-cup magnet mount, cigarette plug with on/off switch	
454100HL-02	Amber LEDs with Amber dome
454100HL-25	Amber LEDs with Clear dome
454100HL-AWA	Amber/White/Amber LEDs with Clear dome
Permanent mount models	
454101HL-02	Amber LEDs with Amber dome; -04 (Red)
454101HL-25	Amber LEDs with Clear dome
454101HL-AWA	Amber/White/Amber LEDs with Clear dome; - AGA(Amber/Green/Amber)
Magnetic mount models, cigarette plug with on/off switch	
454102HL-02	Amber LEDs with Amber dome
454102HL-25	Amber LEDs with Clear dome
Common Replacement Parts	
Z8560095B-02	Dome, HighLighter LED, Amber; -03(Blue); -04(Red); -05(Clear); -06(Green)
Z124161A	Kit, base, HighLighter LED

NOTES

- See [page 42](#) for mounting kits
- Visit www.fedsig.com to view HighLighter LED flash patterns



Shatterproof dome and base with wiper blade gasket protects against moisture



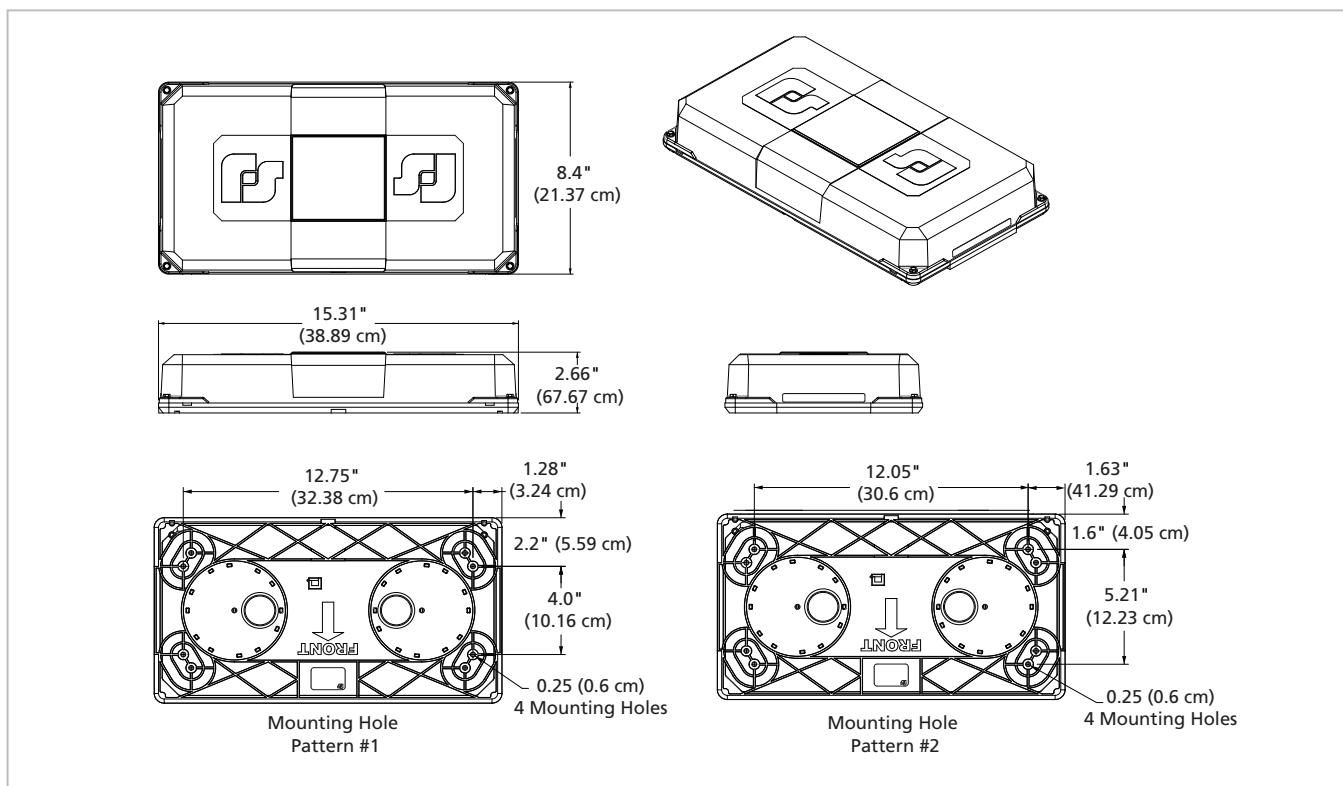
On/Off control switch on cigarette plug magnet mount models



FEDERAL SIGNAL

HighLighter™ LED | Mini-Lightbar

LEDs available in: 
 Domes available in: 



35

Specifications

Amp Draw	Max 4 Amps; Total Amp draw depends on flash pattern used		
Flash Rate	Various		
Flash Patterns	23		
LED Count	26		
LED Color Options	Amber, Red, Green and White		
Lens Color Options	Amber, Red, and Clear		

Physical Specifications

	Permanent mount	Magnetic mount	Suction-cup mount
Height	2.7 in (6.6 cm)	3.0 in (7.6 cm)	3.0 in (7.6 cm)
Length		15.3 in. (38.8 cm)	
Width		8.4 in (21.3 cm)	

Ship Weight

Permanent Mount	3.4 lbs (1.5 kg)	4.5 lbs (2.0 kg)	6.0 lbs (2.7 kg)
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HighLighter™ LED Plus | Mini-Lightbar

Features

- Low profile; only 2.7" tall
- Uniform 360-degree light distribution; no dark spots or shadows
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Pattern selection using MagnetSelect™ key chain included
- Low power, dim option
- Five-year LED warranty

36

Approvals

- SAE J845, Class 1
- CAC Title 13

Applications

- Construction
- Landscape
- Pick-up trucks
- Snow plows



454201HL-02

CLASS 1

CAC Title 13

ROC RELIABLE ONBOARD CIRCUITRY

SOLARIS

Model	Description
Suction-cup magnet mount, cigarette plug with on/off switch	
454200HL-02	Amber LEDs with Amber dome; -03(Blue); -04(Red); -05(White); -06(Green)
454200HL-25	Amber LEDs with Clear dome; -35(Blue); -45(Red)
Permanent mount models	
454201HL-02	Amber LEDs with Amber dome; -03(Blue); -04(Red); -05(White); -06(Green)
454201HL-25	Amber LEDs with Clear dome; -35(Blue); -45(Red)
Magnetic mount, cigarette plug with on/off switch	
454202HL-02	Amber LEDs with Amber dome; -03(Blue); -04(Red); -05(White); -06(Green)
454202HL-25	Amber LEDs with Clear dome; -35(Blue); -45(Red)
Accessories and Kits	
SW2	Switch control
Z8560109A	MagnetSelect™ key chain
Common Replacement Parts	
Z8560095B-02	Dome, HighLighter LED, Amber; -03(Blue); -04(Red); -05(Clear); -06(Green)
Z124161A	Kit, base, HighLighter LED

NOTES

- See page 42 for mounting kits
- See price sheet for additional HighLighter LED models
- Visit www.fedsig.com to view HighLighter LED Plus flash patterns

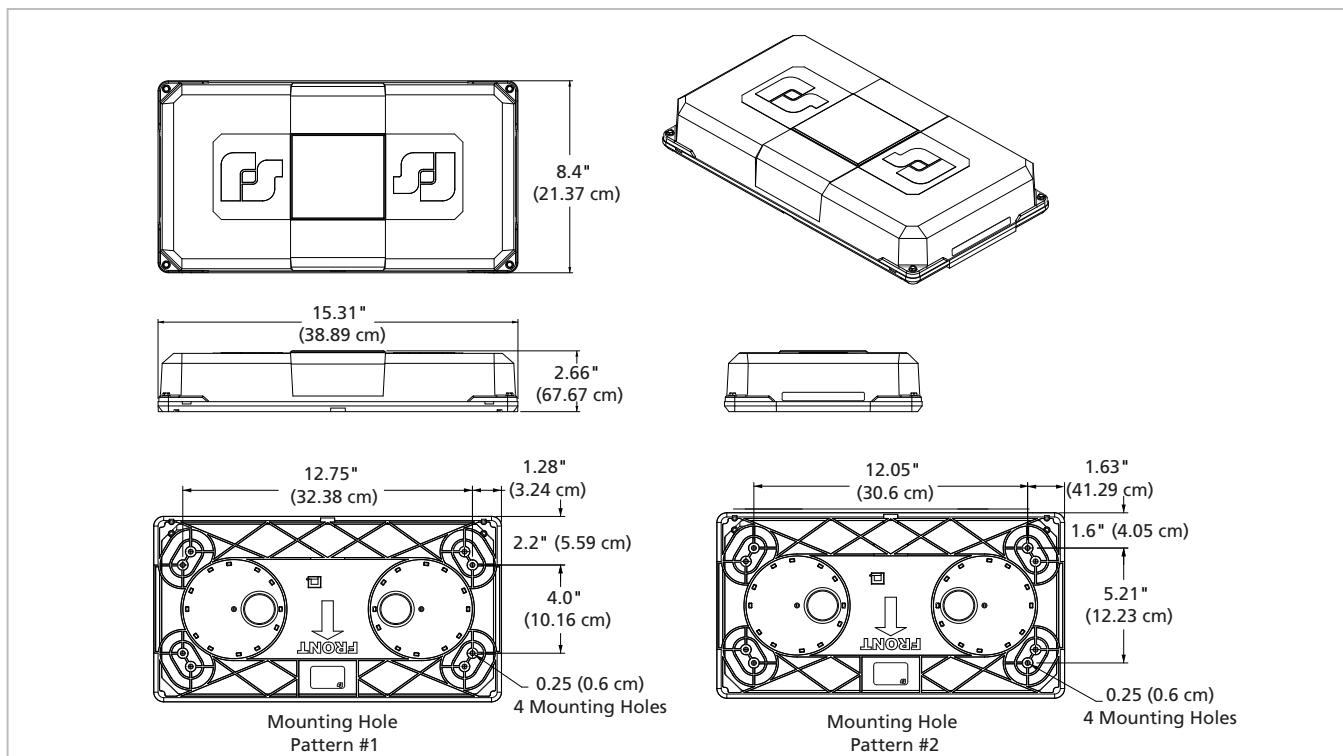


FEDERAL SIGNAL

HighLighter™ LED Plus

Mini-Lightbar

LEDs available in: 
 Domes available in: 



37

Specifications

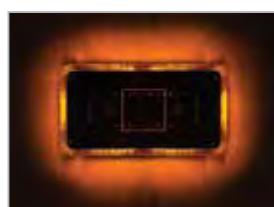
Amp Draw	Max 4.8 Amps; Total Amp draw depends on flash pattern used
Flash Rate	Various
Flash Patterns	23
LED Count	36
LED Colors Options	Amber, Blue, Clear, Green and Red
Lens Color Options	Amber, Blue, Clear, Green and Red

Physical Specifications

	Permanent mount	Magnetic mount	Suction-cup mount
Height	2.7 in (6.6 cm)	3.0 in (7.6 cm)	3.0 in (7.6 cm)
Length		15.3 in (38.8 cm)	
Width		8.4 in (21.3 cm)	
Ship Weight			
Permanent Mount	3.4 lbs (1.5 kg)	4.5 lbs (2.0 kg)	6.0 lbs (2.7 kg)



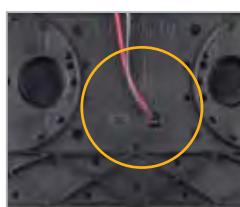
MagnetSelect™ enables selection from 23 flash patterns using a simple magnet



Highly-effective 360-degree of light output



A wiper gasket blade improves the seal of the dome



On the bottom of the base, are two knock-outs with a strain-relief for power and ground or for additional wiring

HighLighter™ LED Pro | Mini-Lightbar

Features

- Low profile; only 2.7" tall
- Uniform 360-degree light distribution; no dark spots or shadows
- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Pattern selection using MagnetSelect™, key chain included
- Low power, dim option
- Sync capability, option
- Two channel high-side flasher synchronizes other light heads (up to 7.5 Amp per channel), option
- Models can be configured with Amber, Blue, Green, Red or White LEDs
- Five-year LED warranty

38

Approvals

- SAE Class 1
- CAC Title 13

Applications

- Construction
- Landscape
- Pick-up trucks
- Snow plows



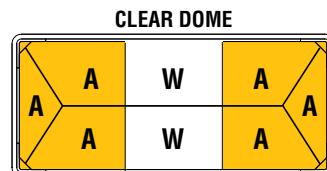
454301HL-AWA

CLASS 1 CAC Title 13 ROC SOLARIS

Model	Description
Suction-cup magnet mount, cigarette plug with on/off switch	
454300HL-AWA	Amber/White/Amber, Clear dome; -AAA(Amber)
Permanent mount models	
454301HL-AWA	Amber/White/Amber, Clear dome; -AB(Amber/Blue); -AAA(Amber)
Magnetic mount, cigarette plug with on/off switch	
454302HL-AWA	Amber/White/Amber, Clear dome; -AB(Amber/Blue); - AAA(Amber)
Accessories and Kits	
SW2	Switch control
Z8560109A	MagnetSelect™ keychain
Common Replacement Parts	
Z8560095B-02	Dome, HighLighter LED, Amber; -03(Blue); -04(Red); -05(Clear); -06(Green)
Z124161A	Kit, base, HighLighter LED

NOTES

- See page 42 for mounting kits
- See price sheet for additional HighLighter LED models
- Visit www.fedsig.com to view HighLighter LED Pro flash patterns



454300HL-AWA

454301HL-AWA

454302HL-AWA

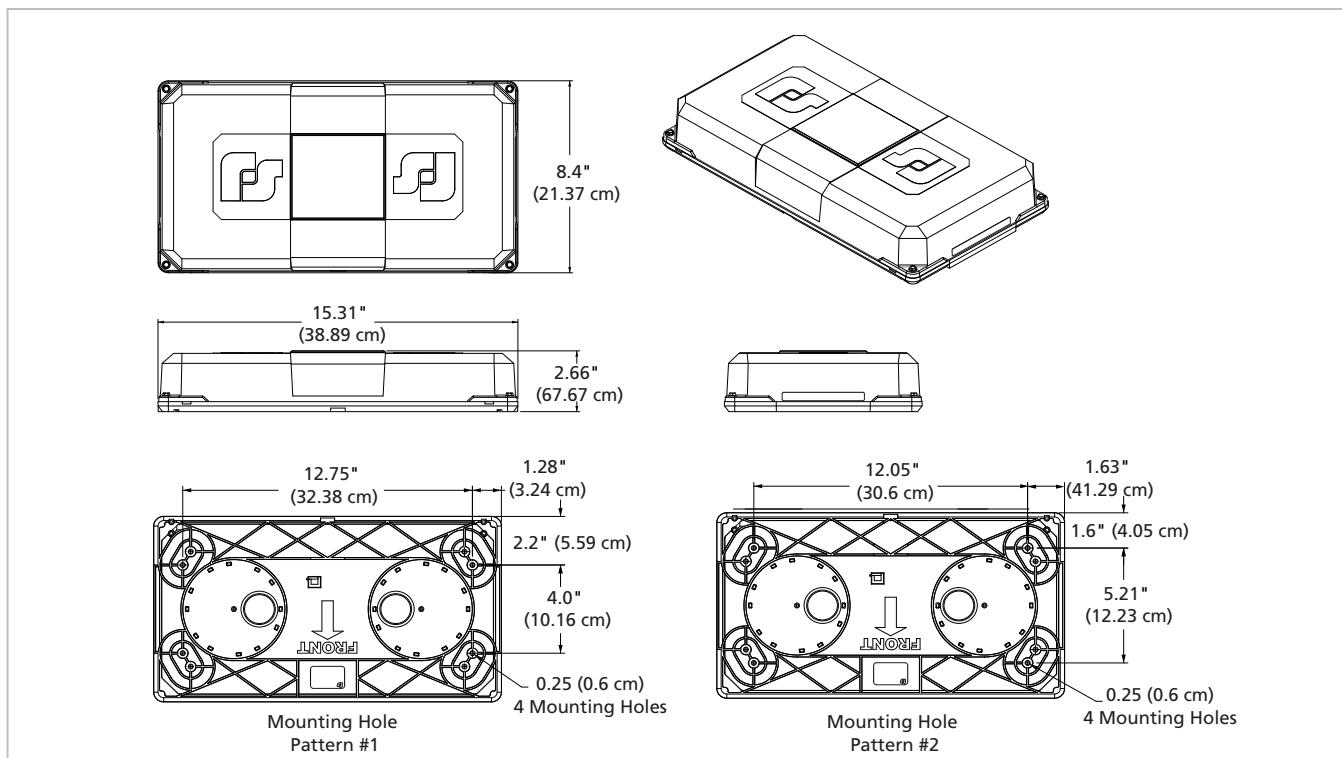


FEDERAL SIGNAL

HighLighter™ LED Pro

Mini-Lightbar

LEDs available in: ■ ■ ■ ■ ■
Domes available in: ■ ■ ■ ■ ■



39

Specifications

Amp Draw	Max 5.7 Amps; Total Amp draw depends on flash pattern used
Flash Rate	Various
Flash Patterns	23
LED Count	42
LED Colors Options	Amber, Blue, Clear, Green and Red
Lens Color Options	Clear

Physical Specifications

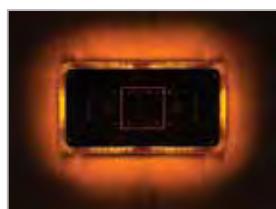
	Permanent mount	Magnetic mount	Suction-cup mount
Height	2.7 in (6.6 cm)	3.0 in (7.6 cm)	3.0 in (7.6 cm)
Length		15.3 in (38.8 cm)	
Width		8.4 in (21.3 cm)	

Ship Weight

Permanent Mount	3.4 lbs (1.5 kg)	4.5 lbs (2.0 kg)	6.0 lbs (2.7 kg)
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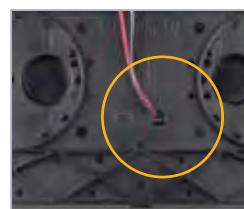
MagnetSelect™ enables selection from 23 flash patterns using a simple magnet



Highly-effective 360-degree of light output



A wiper gasket blade improves the seal of the dome



On the bottom of the base, are two knock-outs with a strain-relief for power and ground or for additional wiring

HighLighter™ | Mini-Lightbar

Features

- Two 55-watt halogen reflectors produce an effective 80,000 candelas each
- Compact size - 15" long
- Special thick filament bulb
- Permanent or magnetic mount options for ease of installation
- Domes available in Amber, Blue and Clear
- Five-year warranty

40

Approvals

- SAE J845, Class 1
- CAC Title 13

Applications

- Construction
- Landscape
- Pick-up trucks
- Snow plows



(permanent mount shown)

CLASS 1 CAC Title 13

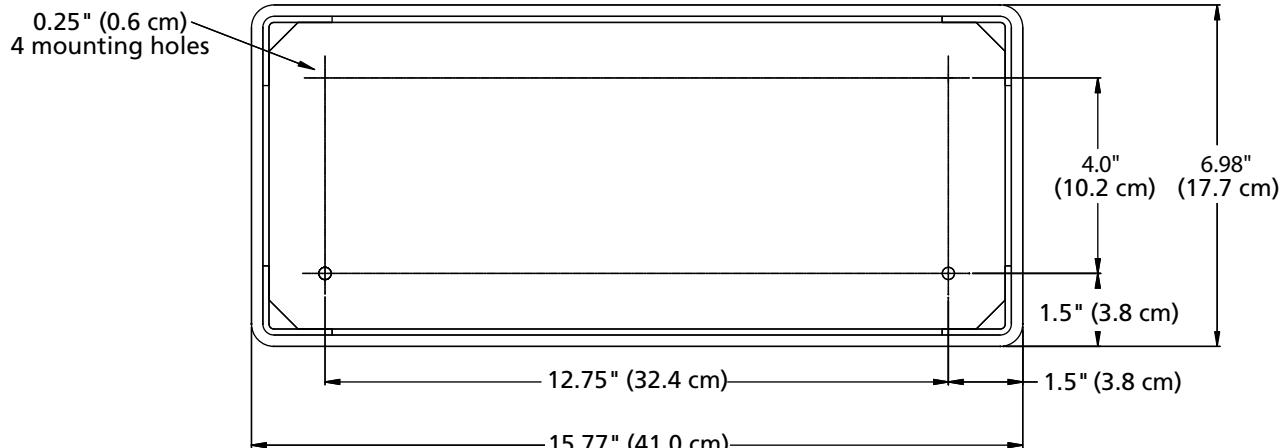
Model	Description
Permanent mount	
450112-02	(2) 95 FPM rotators, diagonal mirror; Amber
450114-02	(2) 95 FPM rotators, diagonal mirror, 24 VDC; Amber
450152-02	(2) 120 FPM rotators, diagonal mirror; Amber
451112-02	(2) 175 FPM rotators, diagonal mirror; Amber; -05(Clear)
Magnetic mount, includes cigarette plug	
452142-02	(2) 95 FPM rotators, diagonal mirror; Amber; -03(Blue); -05(Clear)
452412-02	(2) 175 FPM rotators, diagonal mirror; Amber
Suction-cup magnetic mount, includes cigarette plug	
450142-02	(2) 95 FPM rotators, diagonal mirror; Amber
450162-02	(2) 120 FPM rotators, diagonal mirror; Amber
451412-02	(2) 175 FPM rotators, diagonal mirror; Amber
Kits	
SPL2	Kit, rotator lens, specify color, -A(Amber); -B(Blue)
452340	Magnet mount kit with cigarette plug included
Common Replacement Parts	
Z8440A265A-02	Bulb, 55 W, halogen, long life
439231-95	Bulb, 24 VDC
447532SSG	Motor, 95 FPM, 12 VDC
447542	Motor, 120 FPM, 12 VDC
447539	Motor, 175 FPM, 12 VDC
447534	Motor, 95 FPM, 24 VDC
448572SSG	Rotator, 95 FPM, 12 VDC
448522	Rotator, 175 FPM, 12 VDC
448514	Rotator, 95 FPM, 24 VDC
448524	Rotator, 175 FPM, 24 VDC
452510-02	Dome, HighLighter; Amber; -03(Blue); -05(Clear)

NOTE

- See page 42 for mounting kits



FEDERAL SIGNAL



	450112	452142	451112	452412
Factory Set Specifications				
Input Voltage		12.8 VDC		
Current Draw		8.6 Amps		
Candelas		80,000		
Flash Rate	285/min.	285/min.	525/min.	525/min.
Physical Specifications				
Height		5.3 in (13.5 cm)		
Length		15.8 in (40 cm)		
Width		7.0 in (17.8 cm)		
Ship Weight				
Permanent Mount	5.0 lbs (2.3 kg)	7.3 lbs (3.3 kg)	5.0 lbs (2.3 kg)	7.3 lbs (3.3 kg)



452340
Magnetic mount kit with cigarette plug included



For ease of service while on the vehicle, the dome can be removed from the base by simply removing (4) screws



Two 55-watt reflectors produce 80,000 candelas each (diagonal mirror shown)

Mini-Lightbar Specifications / HighLighter Mounting Kits

Federal Signal

LED Mini-Lightbars

Model	Operating Voltage	Amp Draw	RPM (SLR)	Flash Patterns	Approvals	Base Material	LED Colors	Dome Colors	Dimensions (L x W x H)	Ship Weight (lbs)	Warranty (years)
10", 18", 25" Navigator	12	1.5 Amps per QuadraFlare head/2.5 Amps per SLR Rotator	90/120	Various	Class 1 and Title 13	Aluminum	Amber, Blue, Green, Red and White	Amber, Blue, Red and Clear	10 in x 12.5 in x 4.5 in	Varies by size and configuration	5
24" Legend LPX Discrete		4.0 Amps @ 12.8 V							17.6 in x 12.5 in x 4.5 in		
12" Legend		2.5 Amps @ 12.8 V							24.8 in x 12.5 in x 4.5 in		
HighLighter LED	12	Total Amp draw depends on flash pattern used.	N/A	23	Class 1	Polycarbonate	Amber	Amber, Clear and Red	15.3 in x 8.4 in x 3.0 in	6.0*	5
HighLighter LED Plus	12	Total Amp draw depends on flash pattern used.	N/A	23	Class 1 and Title 13	Polycarbonate	Amber, Blue, Clear, Green and Red	Amber, Blue, Clear, Green and Red	15.3 in x 8.4 in x 3.0 in	6.0*	5
HighLighter LED Pro	12	Total Amp draw depends on flash pattern used.	N/A	23	Class 1 and Title 13	Polycarbonate	Amber, Blue, Clear, Green and Red	Amber, Blue, Clear, Green and Red	15.3 in x 8.4 in x 3.0 in	6.0*	5

*Permanent mount models

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Mounting Kits - For use with HighLighter LED Series and HighLighter models.



452340



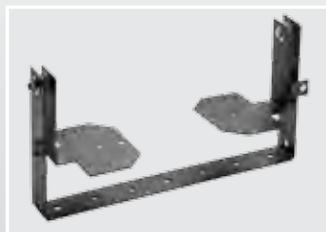
452341



454217



454218



210883SSG



HRX-HL

Model	Description
452340	Kit, magnetic mount, cigarette plug included
452341	Kit, suction-cup magnetic mount, cigarette plug included
452342	Kit magnetic mount, cigarette plug not included
454217	Kit, riser mount

Model	Description
454218	Kit, flat mount
210883SSG	Self-leveling bracket
HRX-HL	HighLighter bracket for use with HRX-01



FEDERAL SIGNAL

Beacon Specifications

LED Beacons

Model	Operating Voltage	Amp Draw	RPM	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
SLR Beacon	12/24	1.8 Amps @ 12.8 V	75/90/120	--	Class 1 & 2, Title 13	Aluminum/ Polycarbonate	7.1 in x 5.8 in	2.75	5
UltraStar LED	12/24	1.2 Amps @ 12.8 V	--	14	Class 1	Aluminum	6.5 in x 5.3 in	2.75 (perm.) 3.5 (mag.)	5
Pulsator LED	12/24	0.74 Amp / 0.325 Amp average @ 12.8 V Class 1; 0.65 Amp max @ 0.28 Amp average Class 2	--	14	Class 1 & 2	Polycarbonate	6.5 in x 6.2 in	1.9	5
Pulsator 451 LED	12/24	0.65 Amp max / 0.28 average @ 12.8 V	--	14	Class 2	Polycarbonate	6.5 in x 4.2 in	1.3	5
651 LED	12/24	1 Amp @ 12.8 V	--	1	Class 2	Aluminum	6.5 in x 5.4 in 6.5 in x 6.1 in (Wire Branch Guard)	2	5
851 LED	12/24	1 Amp @ 12.8 V	--	1	Class 2	Aluminum	6.6 in x 7.4 in	2.5	5
LP800	12/24	3.5 Amps (Amber)	--	14	Class 1, Title 13	Reinforced Nylon	6.5 in x 4.67 in	1.5	5
AL2	12/24	1 Amp @ 12.8 V	--	4	Class 3	Aluminium	8.3 in x 8.7 in	3.8	5
Firebolt LED	12/24	1 Amp @ 12.8 V	--	14	Class 2	Polycarbonate	5.1 in x 3.6 in	1.3	5
Firebolt LED	12/24	1 Amp @ 12.8 V	--	1	Class 3	Polycarbonate	5.1 in x 3.8 in	1.2	3

Strobe Beacons

Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
UltraStar US 5	12/24	1.8 Amps @ 12 V to 0.9 Amp @ 24 V	13/14	18.4/19	85/80	Class 1 & 2	Aluminum	6.5 in x 6.7 in (Tall) 6.5 in x 5.3 in (Short)	4.0	5
UltraStar US 6	12/24	2.0 Amps @ 12.8 V to 1.2 Amps @ 25.6 V (high) 1.6 Amps @ 12.8 V to 0.8 Amp @ 25.6 V (low)	17/12	17/12	75	Class 1	Aluminum	6.5 in x 6.7 in (Perm.) 6.5 in x 6.9 in (Mag.)	4.25 (Perm.) 4.95 (Mag.)	5
UltraStar US 7	12/24	2.5 Amps @ 12 V to 1.2 Amps to 24 V	21/13 Hi-Lo	21.3/15	75	Class 1	Aluminum	6.5 in x 6.7 in (Tall)	4.0	5
Model 901	12/48	2.1 Amps @ 12 V to 0.55 Amps @ 48 V	18/9	21.3	75	Class 1	Aluminum	6.5 in x 5.4 in	2.3	5
Model 951	12/48	2.1 Amps @ 12 V to 0.55 Amp @ 48 V	18/9	21.3	75	Class 1, Title 13	Aluminum	6.5 in x 7.4 in	2.7	5
Pulsator 551 Plus	12/48	1.2 Amps @ 12 V to 0.3 Amp @ 48 V (10J)	10/8	13.3/12.5	80/75	Class 2	Polycarbonate	6.5 in x 6.0 in	1.5 1.9 (Heavy Duty)	3
Pulsator 451 Plus	12/48	0.9 Amp @ 12 V to 0.25 Amp @ 48 V	8	10.7/10	80/75	Class 2	Polycarbonate	6.5 in x 4.0 in	1.3 1.6 (Heavy Duty)	3
Model 401	12/48	0.65 Amp @ 12 V to 0.17 Amp @ 48 V	5	5.4	65	Class 3	Rubber	5.7 in x 5.0 in	1.3 1.9 (Heavy Duty)	3
Firebolt Plus	12/72 @ 2J 12/48 @ 5J	0.24 Amp @ 12 V to 0.04 Amp @ 24 V	2	16	60/65	Class 3	Polycarbonate	5.1 in x 3.6 in	0.7	3

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Halogen Beacons

Model	Operating Voltage	Amp Draw	Lamp	Candelas	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Sentry	12/24	4.3 Amps @ 12 V; 2.1 Amps @ 24 V	55/70	80,000	95/175	Class 1, Title 13	Polycarbonate	6.3 in x 6.5 in	2.0	5
Model 100	12/24	4.3 Amps @ 12 V; 2.1 Amps @ 24 V	55/70	80,000	95/120/195	Class 1, Title 13	Polycarbonate	8.4 in x 7.3 in	4.0	5

Firebolt® LED | LED Beacon

Features

- Magnet mount models with cigarette-plug available
- Polycarbonate dome and base
- Multi-voltage, 12/24 VDC



220250-02

220350-02

CLASS 2
CLASS 3

Class 2 Models

- Built-in permanent/ 1/2" pipe mount base
- (14) Selectable flash patterns
- Five-year LED warranty

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Class 3 Models

- Built-in permanent mount base
- Single flash pattern
- Three-year LED warranty

Approvals

- SAE J845, Class 2
- SAE J845, Class 3

Applications

- Forklifts
- Landscape
- Pick-up trucks

Model	Description
Firebolt LED, Class 2	
Permanent/1/2" pipe mount base	
220250-02	Amber dome, Amber LEDs; -03(Blue); -04(Red); -05(Clear); -06 (Green)
Magnet mount, cigarette plug	
220260-02	Amber dome, Amber LEDs; -03(Blue); -04(Red); -05(Clear); -06 (Green)
Firebolt LED, Class 3	
Permanent Mount	
220350-02	Amber dome
Magnet Mount	
220360-02	Amber dome
Accessories and Kits for Class 2 models	
210539	"L" mounting bracket
210728	Kit, magnetic mount with cigarette-plug
210850SSG	Adapter, pipe mount, 3/4"
211676	Dome guard assembly, chrome

NOTE

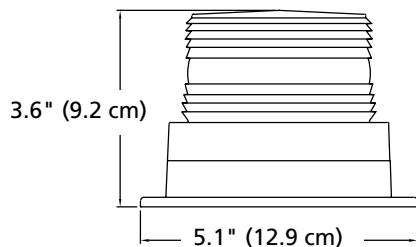
- Visit www.fedsig.com to view Firebolt LED flash patterns



FEDERAL SIGNAL

Firebolt® LED | LED Beacon

Class 2 Model

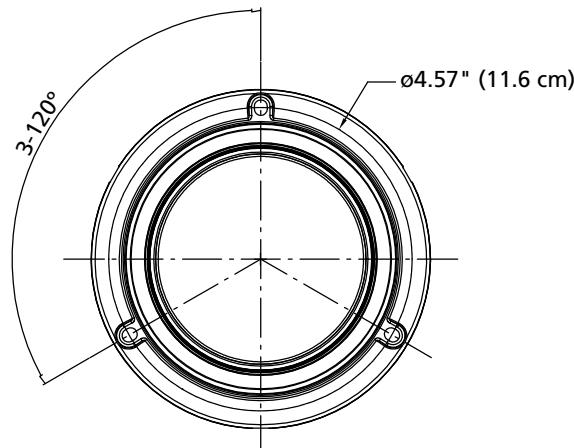
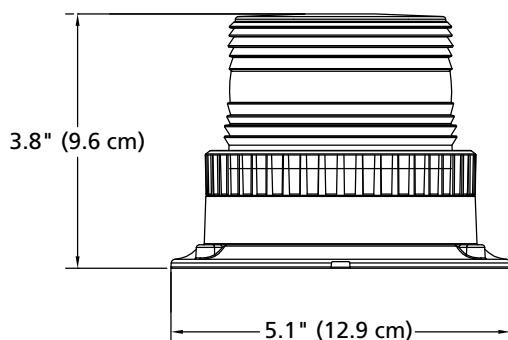


0.2" (0.508 cm)
3 Locations

4.6" (11.7 cm)

0.25" (0.635 cm) 1/2 inch NPT

Class 3 Model



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Model	Operating Voltage	Amp Draw	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Firebolt LED	12/24	1 Amp @ 12.8 V	14	Class 2	Polycarbonate	5.1 in x 3.6 in	1.3	5
Firebolt LED	12/24	1 Amp @ 12.8 V	1	Class 3	Polycarbonate	5.1 in x 3.8 in	1.2	3



Magnetic mount cigarette plug option available, Class 2 model



Built-in permanent 1/2" pipe mount base, Class 2 model

Pulsator® LED | LED Beacon

Features

- LED technology for zero maintenance lighting; no bulbs or strobe tubes to replace
- (14) selectable flash patterns
- Multi-voltage, 12/24 VDC
- Built-in permanent/1" pipe-mount polycarbonate base
- Five-year LED warranty

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Approvals

- SAE J845, Class 1 (212660-02SB)
- SAE J845, Class 2 (212650-02SB, 212670-02SB)

Applications

- Landscape
- Pick-up trucks
- Snow plows
- Utility



212660-02SB



212670-02SB

CLASS 1
CLASS 2

Model	Description
Pulsator LED	
212660-02SB	Permanent/1" pipe mount, tall dome Amber dome, Class 1; -04(Red); -05(Clear)
212650-02SB	Amber dome, Class 2; -04(Red); -05(Clear)
Magnet mount, cigarette plug, tall dome	
212662-02SB	Amber dome, Class 1; -04(Red)
212652-02SB	Amber dome, Class 2; -04(Red)
Suction-cup magnet mount, cigarette plug, tall dome	
212664-02SB	Amber dome, Class 1; -04(Red)
212654-02SB	Amber dome, Class 2; -04(Red)
Pulsator 451 LED	
212670-02SB	Permanent/1" pipe mount, short dome Amber dome, Class 2; -04(Red); -05(Clear)
212672-02SB	Magnet mount, cigarette plug, short dome Amber dome, Class 2; -04(Red)
212674-02SB	Suction-cup mount, cigarette plug, short dome Amber dome, Class 2; -04(Red)
Accessories and Kits	
SW2	Switch control
210890	Kit, magnetic mount
210893	1/2" pipe mount
210894	3/4" pipe mount
650201	(2) 6A loads, (8) flash patterns, ground side switching
Common Replacement Parts	
208567-95	Dome, short, Amber
208568-95	Dome, short, Red
208569-95	Dome, short, Clear
208667-95	Dome, tall, Amber
208668-95	Dome, tall, Red
208669-95	Dome, tall, Clear

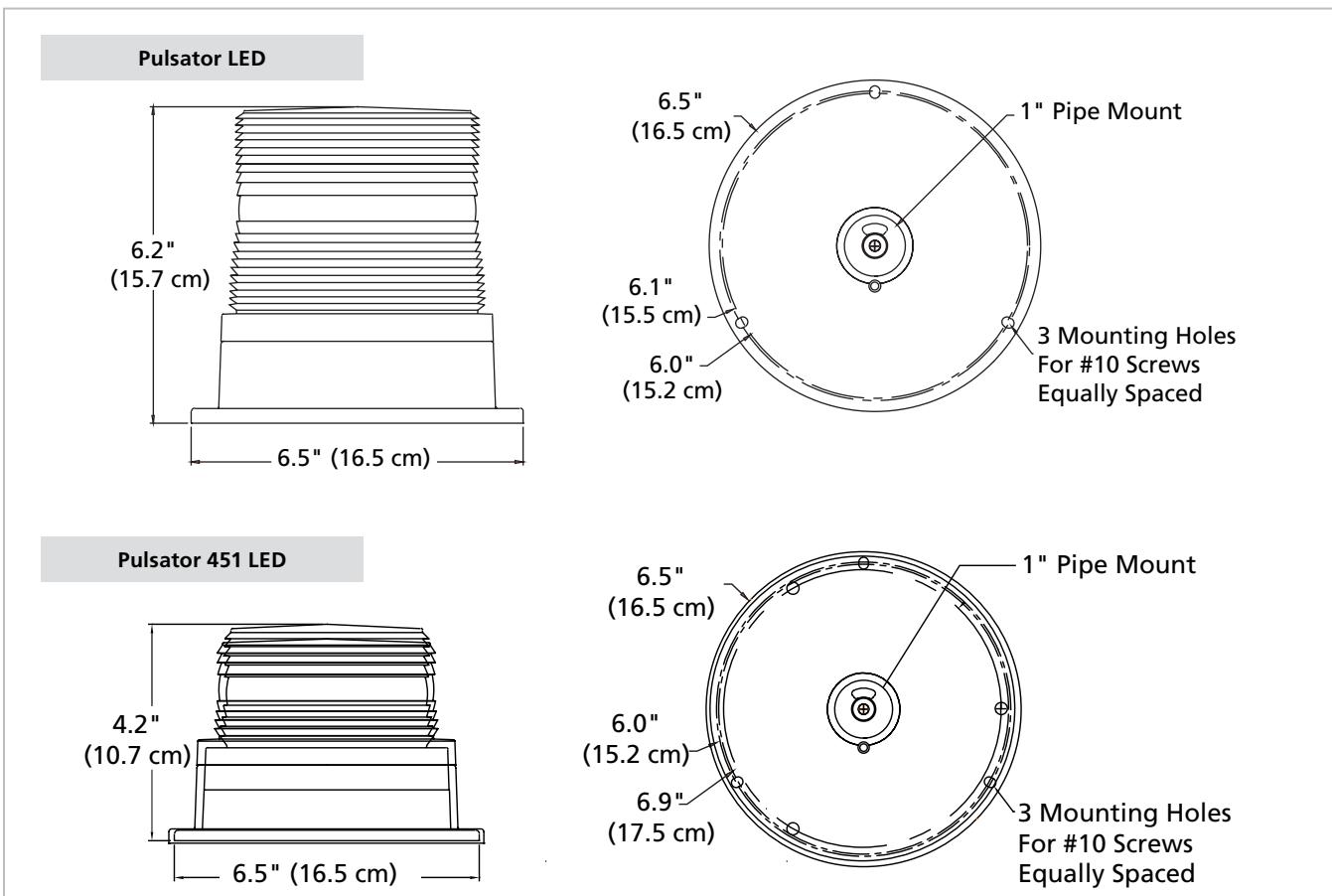
NOTE

- Visit www.fedsig.com to view Pulsator LED flash patterns



FEDERAL SIGNAL

Pulsator® LED | LED Beacon



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Model	Operating Voltage	Amp Draw	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Pulsator LED	12/24	0.74 Amp / 0.325 Amp average @ 12.8 V Class 1; 0.65 Amp max @ 0.28 Amp average Class 2	14	Class 1 & 2	Polycarbonate	6.5 in x 6.2 in	1.9	5
Pulsator 451 LED	12/24	0.65 Amp max / 0.28 Amp average @ 12.8 V	14	Class 2	Polycarbonate	6.5 in x 4.2 in	1.3	5



Built-in permanent/1" pipe mount polycarbonate base



Magnetic mount bottom with cigarette lighter plug

UltraStar® LED

LED Beacon

Features

- Federal Signal patent-pending LED emitter design
- Industry standard mounting for quick and easy retrofits
- (14) selectable flash patterns
- Built-in permanent/1" pipe mount aluminum die-cast base
- Longer dwell time to enhance visibility at a distance
- Five-year LED warranty

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Approval

- SAE J1318 and J845, Class 1

Applications

- Construction
- Landscape
- Snow plows
- Utility



CLASS 1

Model	Description
Permanent/1" pipe mount	
252650-02SC	Amber dome
252654-04SC	Red dome
252657-02SC	Amber dome and dust cover
Magnet mount with cigarette plug	
252651-02SC	Amber dome
252655-04SC	Red dome
Accessories	
SW2	Switch control
448330	MZDGK branch guard
Common Replacement Parts	
Z8444374A	Dome, short, -01(Clear); -02(Red); -03(Amber); -04(Blue)
Z8444375A-01	Dust cover, short, Clear
Z8444313C	Light shield
Z8444397A	J-bolt mounting kit

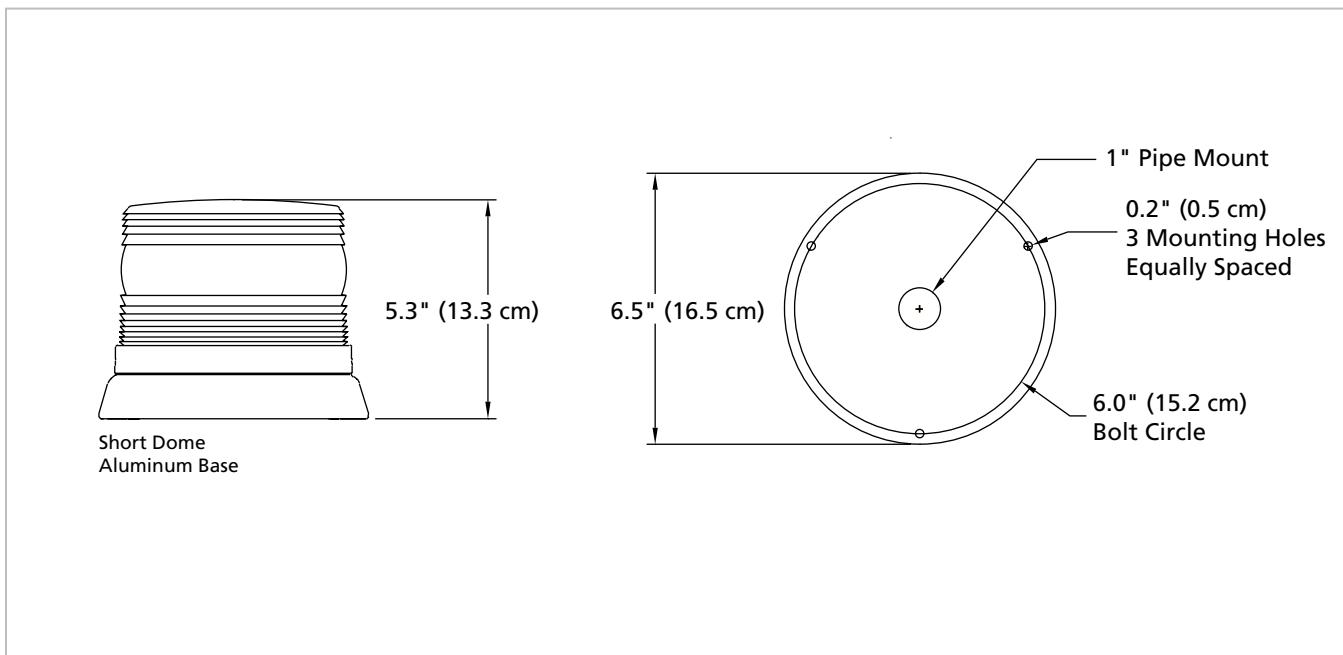
NOTE

- Visit www.fedsig.com to view UltraStar LED flash patterns



FEDERAL SIGNAL

UltraStar® LED | LED Beacon



49

Model	Operating Voltage	Amp Draw	RPM	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
UltraStar LED	12/24	1.2 Amps @ 12.8 V	Various	14	Class 1	Aluminum	6.5 in x 5.3 in	2.75 (perm.) 3.5 (mag.)	5

Solid-state light source and fully encapsulated circuitry to absorb extreme vibration



448330
Branch Guard option



Permanent/1" pipe mount bottom



Magnetic mount bottom
with cigarette lighter plug

SLR Beacon | LED Beacon

Features

- Rotating LED beacon with (12) high-powered LEDs
- Federal Signal's patented SLR (Solaris® LED Rotator) technology
- 75/90/120 RPM
- Multi-voltage, 12/24VDC
- Five-year LED warranty



262650-02

CLASS 1 CAC Title 13 CLASS 2 SLR

Model	Description
262650-02	Amber LEDs, Amber dome, permanent/pipe mount, Class 1, Title 13; -04(Red); -05(Clear); -25(Clear/Amber LEDs)
272650-02	Amber LEDs, Amber dome, permanent/pipe mount, Class 2; -25(Clear/Amber LEDs)

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Approvals

- SAE J845, Class 1
- SAE J845, Class 2
- CAC Title 13

NOTE

- Visit www.fedsig.com to view SLR Beacon flash patterns



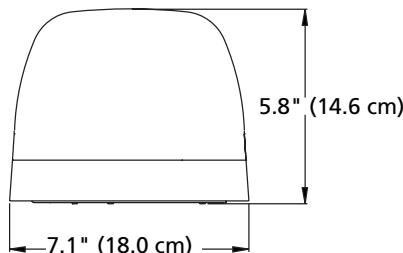
Patented Solaris LED reflector design
with (12) high-powered LEDs



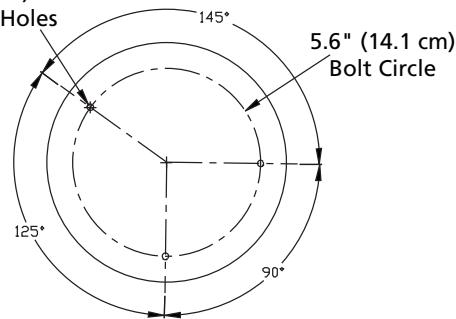
Built-in permanent 1" pipe mount

Applications

- Construction
- Municipal
- Utility



0.2" (0.5 cm)
3 Mounting Holes



Model	Operating Voltage	Amp Draw	RPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
SLR Beacon	12/24	1.8 Amps @ 12.8 V	75/90/120	Class 1 & 2 Title 13	Polycarbonate/ aluminum	7.1 in x 5.8 in	2.75 (perm.)	5



FEDERAL SIGNAL

AL2 | LED Beacon

Features

- Electronics are encapsulated in a durable steel enclosure using high-temperature range silicone potting compound for dependable operation
- Multi-voltage, 12/24VDC
- High-profile design, with a sturdy polycarbonate dust cover, provide for a robust warning solution
- Clear-anodized aluminum base models available
- Five-year LED warranty



211779-02

CLASS 2

Model	Description
211779-02	Amber dome with dust cover, anodized base

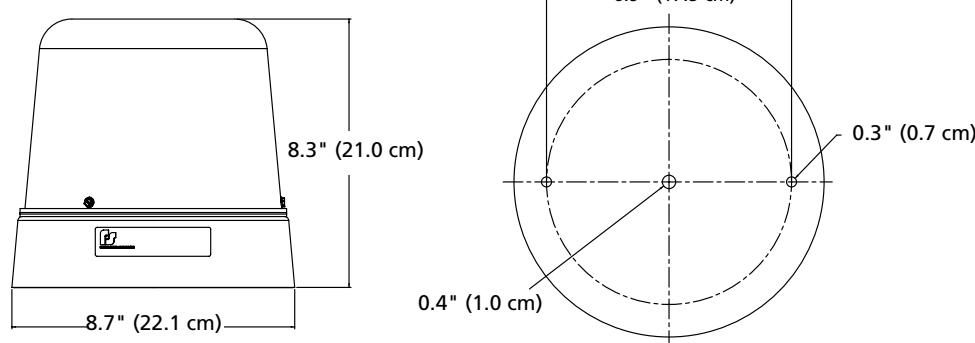
Approval

- SAE J845, Class 2

Applications

- Municipal
- Snow Plows
- Utility

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Model	Operating Voltage	Amp Draw	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
AL2	12/24	1 Amp @ 12.8 V	1	Class 2	Aluminum or Chrome-plated Aluminum	8.3 in x 8.7 in	3.8	5

Model 851 / 651 LED | LED Beacon

Features

- Open-style aluminum base
- Low- and high-profile models available
- Polycarbonate Fresnel dome
- Low-Amp draw
- Five-year LED warranty

Approval

- SAE J845, Class 2

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Applications

- Construction
- Municipal
- Utility



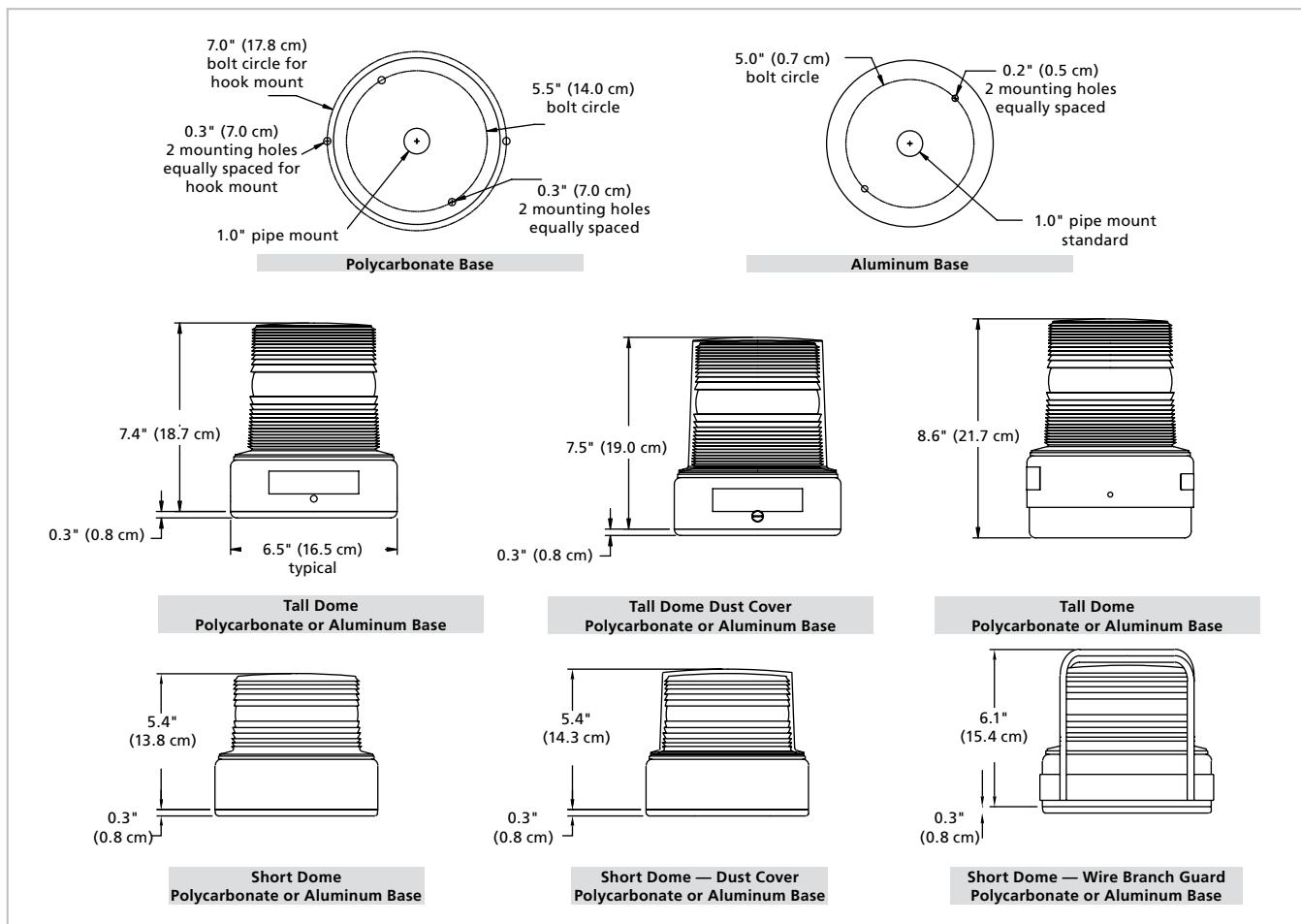
CLASS 2

Model	Description
651 LED, Low-profile beacon	
420222-02	UTILITY LIGHT, blackout lens, clear dust cover, branch guard, Amber LED, Amber dome
420223-02	Open style bottom, Amber LED, Amber dome
851 LED, High-profile beacon	
420450-02	Open style bottom, Amber dome
420460-02	UTILITY LIGHT, blackout lens, clear dust cover, branch guard, Amber dome
Accessories and Kits	
210781SSG	Wire branch guard (used on 651 Plus and 651 AUL models)
210830SSG	Polycarbonate 1" pipe/flush mount bottom
210982	Aluminum 1" pipe/flush mount bottom
210831SSG	Kit, polycarbonate flush magnetic mount
210050SSG	Kit, aluminum flush magnetic mount
210846	Aluminum flush enclosed bottom
210923SSG	Aluminum raised enclosed bottom
210928SSG	Magnetic mount kit for aluminum/polycarbonate mount bottoms
210877SSG	Polycarbonate dust cover with black cover
Common Replacement Parts	
205003-95	Gasket, base
205004-95	Gasket, dome
208551-95	Base
438694-95	Kit, mounting
Common Replacement Parts	
200767-95	Model 651, Dome, Amber
200768-95	Model 651, Dome, Clear
200769-95	Model 651, Dome, Red
200772-95	Model 851, Dome, Clear
200775-95	Model 851, Dome, Amber



FEDERAL SIGNAL

Model 851 / 651 LED | LED Beacon



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Model	Operating Voltage	Amp Draw	Flash Patterns	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
651 LED	12/24	1 Amp @ 12.8 V	1	Class 2	Aluminum	6.5 in x 5.4 in 6.5 in x 6.1 in (Wire Branch Guard)	2	5
851 LED	12/24	1 Amp @ 12.8 V	1	Class 2	Aluminum	6.6 in x 7.4 in	2.5	5



210877SSG



210781SSG

LP800 | LED Beacon

Features

- Dual level beacon with Solaris® LED reflector technology
- (14) selectable flash patterns
- Multiple-voltage, 12/24 VDC
- Polycarbonate dome and reinforced nylon base
- Five-year LED warranty



CLASS 1

CAC Title 13



Approvals

- SAE J845, Class 1
- CAC Title 13

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Applications

- Construction
- Municipal
- Utility

Model	Description
Permanent Mount	
LP800-R	Dual-level, Solaris beacon, Red dome, Red LEDs
LP800-A	Dual-level, Solaris beacon, Amber dome, Amber LEDs
LP800-B	Dual-level, Solaris beacon, Blue dome, Blue LEDs
LP800C-R	Dual-level, Solaris beacon, Clear dome, Red LEDs
LP800C-A	Dual-level, Solaris beacon, Clear dome, Amber LEDs
LP800C-B	Dual-level, Solaris beacon, Clear dome, Blue LEDs
Accessory	
LP800-BASE	Din Mount

NOTE

- Visit www.fedsig.com to view LP800 flash patterns



Two-tier Solaris LED reflector

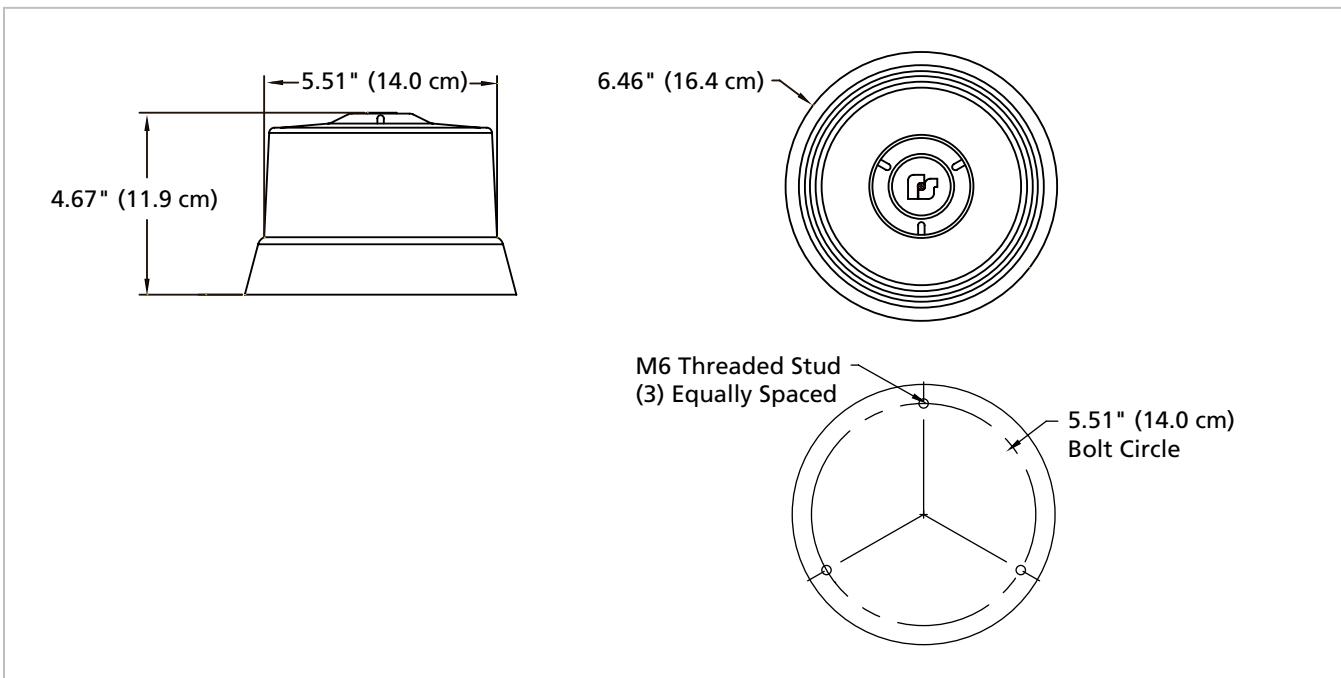


Permanent Mount



FEDERAL SIGNAL

LP800 | LED Beacon



55

Model	Operating Voltage	Amp Draw	Flash Patterns	Approval	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
LP800	12/24	3.5 Amps (Amber)	14	Class 1, Title 13	Reinforced Nylon	6.5 in x 4.67 in	1.5	5

Pulsator® 551 Plus / Pulsator® 451 Plus | Strobe Beacon

Features

- High-profile, polycarbonate base strobe beacon
- Easily replaceable helical strobe tube
- Automatic adjustment to function at any voltage from 12/48 VDC
- Three-year warranty



211694-02

211680-02

CLASS 2

Approvals

- 8 and 10-Joule: SAE J845
Class 2 (SAE J1319 Class 2, 2009)

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Applications

- Forklifts
- Construction
- Industrial

Model	Description
Pulsator 551 Plus	
8J, 16 W, 12-24 VDC, 120 FPM, single flash	
211694-02	Permanent mount, Amber; -03(Blue); -04(Red); -05(Clear)
211695-02	Magnetic mount, Amber
10J, 13.3 W, 12-48 VDC, double flash	
211681-02	Permanent mount, Amber; -04(Red); -05(Clear)
211684-02	Magnetic mount, Amber; -05(Clear)
211685-02	Magnetic mount no cigarette plug, Amber
211820-02	HEAVY DUTY, permanent mount, Amber; -03(Blue); -04(Red); -05(Clear)
10J, 12.5 W, 12-48 VDC, quad flash	
211683-02	Permanent mount, Amber; -05(Clear)
5J, 5.8 W, 115 VAC	
211925-02	Permanent mount, double flash, Amber; -03(Blue); -04(Red)
Pulsator 451 Plus	
8J, 10.7 W, 12-48 VDC, double flash	
211680-02	Permanent mount, Amber; -03(Blue); -04(Red); -05(Clear)
211682-02	Magnetic mount, Amber
211823-02	HEAVY DUTY, permanent mount, Amber; -03(Blue); -04(Red); -05(Clear)
Accessories and Kits	
200069-95	Bottom plate
210890	Kit, magnetic mount
210893	1/2" pipe mount
210894	3/4" pipe mount
210895SSG	1" pipe mount

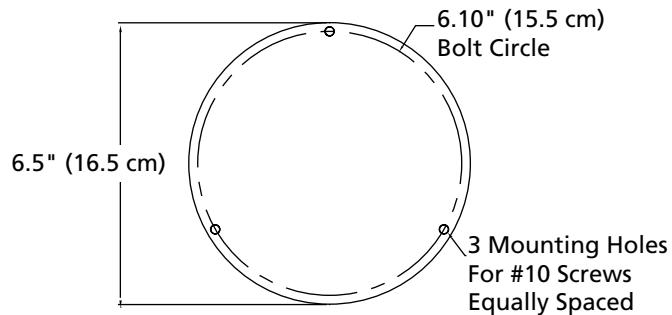
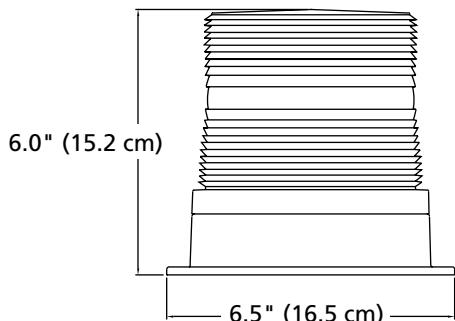
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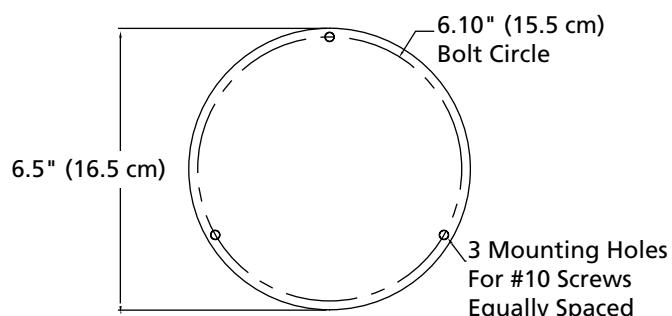
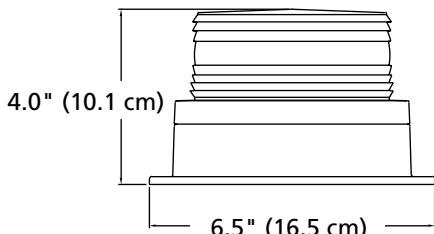
FEDERAL SIGNAL

Pulsator® 551 Plus / Pulsator® 451 Plus | Strobe Beacon

Pulsator 551 Plus



Pulsator 451 Plus



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Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Pulsator 551 Plus	12/48	1.2 Amps @ 12 V to 0.3 Amp @ 48 V (10J)	10/8	13.3/12.5	80/75	Class 2	Polycarbonate	6.5 in x 6.0 in	1.5 1.9 (Heavy Duty)	3
Pulsator 451 Plus	12/48	0.9 Amp @ 12 V to 0.25 Amp @ 48 V	8	10.7/10	80/75	Class 2	Polycarbonate	6.5 in x 4.0 in	1.3 1.6 (Heavy Duty)	3

Common Replacement Parts

208666-95	Pulsator 551, Dome, Blue
208667-95	Pulsator 551, Dome, Amber
208668-95	Pulsator 551, Dome, Red
208669-95	Pulsator 551, Dome, Clear
208566-95	Pulsator 451, Dome, Blue
208567-95	Pulsator 451, Dome, Amber
208568-95	Pulsator 451, Dome, Red
208569-95	Pulsator 451, Dome, Clear
205005-95	Gasket, dome
205520-95	Replacement base
211083-95	Mounting kit
439290-95	Pulsator 551, flash tube
439411-95	Pulsator 451, flash tube



210890



210893



210894



210895SSG

UltraStar® US5, US6, US7

Strobe Beacon

Features

- Powder coated aluminum die-cast base
- Shock-mounted strobe tube
- Industry standard mounting: permanent/1" pipe, magnetic, and J-bolt
- Five-year product warranty

US5

- 13 Joules, double flash and 14 Joules, quad flash

US6

- 17/12 Joules, double flash
- Built-in photocell provides automatic adjustment to ambient light for day or night operation (may be converted to a manual [switchable] adjustment)
- Potted, fully-encapsulated power supply

US7

- Power supply produces 21 Joules
- Built-in photocell provides automatic adjustment to ambient light for day or night operation (may be converted to a manual [switchable] adjustment)
- Potted, fully-encapsulated power supply

Approvals

- SAE J1318, Class 1
- SAE J1318, Class 2

Applications

- Construction
- Municipal
- Utility



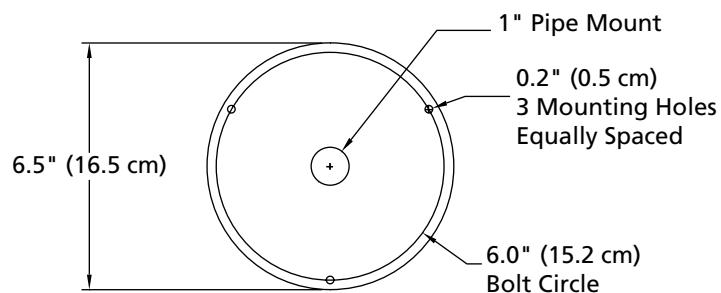
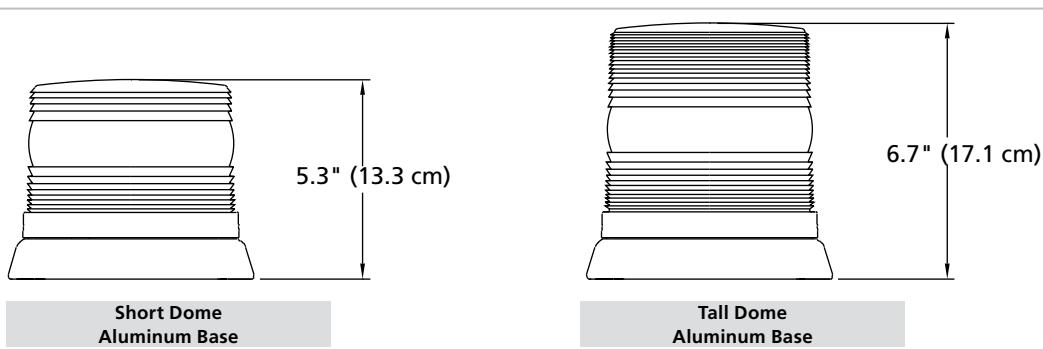
CLASS 1 CLASS 2

Model	Description
US5, 13J, 12/24 VDC, 18.4 W, double flash, tall dome	
250121-02	Permanent/1" pipe mount, Amber; -03(Blue); -04(Red); -05(Clear), Class 1
250141-02	Magnetic mount, Amber; -03(Blue); -04(Red); -05(Clear), Class 1
US5, 13J, 12/24 VDC, 18.4 W, double flash, short dome	
251121-02	Permanent/1" pipe mount, Amber; -04(Red); -05(Clear), Class 2
251141-02	Magnetic mount, Amber, Class 2
US6, 17/12J, 12/24 VDC, 21.3/15 W, double flash, tall dome	
252600-02	Permanent/1" pipe mount, Amber, Class 1
252601-02	Magnetic mount, Amber, Class 1
US7, 21/13J, 12/24 VDC, 26.3/16.3 W, quad flash, tall dome	
250721-02	Permanent/1" pipe mount, Amber; -05(Clear), Class 1
250741-02	Magnetic mount, Amber; -05(Clear), Class 1
Accessories and Kits	
SW2	Switch control
448310	Kit, vibration mount
448320	MZDGP pipe mount adapter for 448330 branch guard
448330	MZDGK branch guard
Z8444373A-01	Polycarbonate dust cover, tall dome, Clear
Z8444375A-01	Polycarbonate dust cover, short dome, Clear
Common Replacement Parts	
251500	Flash tube, US5
251501	Flash tube, US7
250520	Double flash power supply, US5
250530	Quad flash power supply, US7
Z8444372A	Dome, tall; -01(Clear); -02(Red); -03(Amber); -04(Blue); -05(Green)
Z8444374A	Dome, short; -01(Clear); -02(Red); -03(Amber); -04(Blue); -05(Green)
Z8575272A	Flash tube assembly, US6



UltraStar® US5, US6, US7

Strobe Beacon



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Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
UltraStar US5	12/24	1.8 Amps @ 12 V to 0.9 Amp @ 24 V	13/14	18.4/19	85/80	Class 1 & 2	Aluminum	6.5 in x 6.7 in (Tall) 6.5 in x 5.3 in (Short)	4.0	5
UltraStar US6	12/24	2.0 Amps @ 12.8 V to 1.2 Amps @ 25.6 V (high); 1.6 Amps @ 12.8 V to 0.8 Amp @ 25.6 V (low)	17/12	17/12	75	Class 1	Aluminum	6.5 in x 6.7 in (Perm.) 6.5 in x 6.9 in (Mag.)	4.25 (Perm.) 4.95 (Mag.)	5
UltraStar US7	12/24	2.5 Amps @ 12 V to 1.2 Amps to 24 V	21/13 Hi-Lo	21.3/15	75	Class 1	Aluminum	6.5 in x 6.7 in (Tall)	4.0	5



448330



448320

Model 901/951

Strobe Beacon

Features

- Automatic adjustment to function at any voltage from 12/48 VDC
- Open-style aluminum base
- Attached dust cover
- High- (Model 951) and low- (Model 901) profile strobe beacon
- Built-in high/low flash option

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Approvals

- SAE J845, Class 1
(SAE J1318, Class 1, 2009)
- CAC Title 13 (Model 951)

Applications

- Construction
- Municipal
- Utility

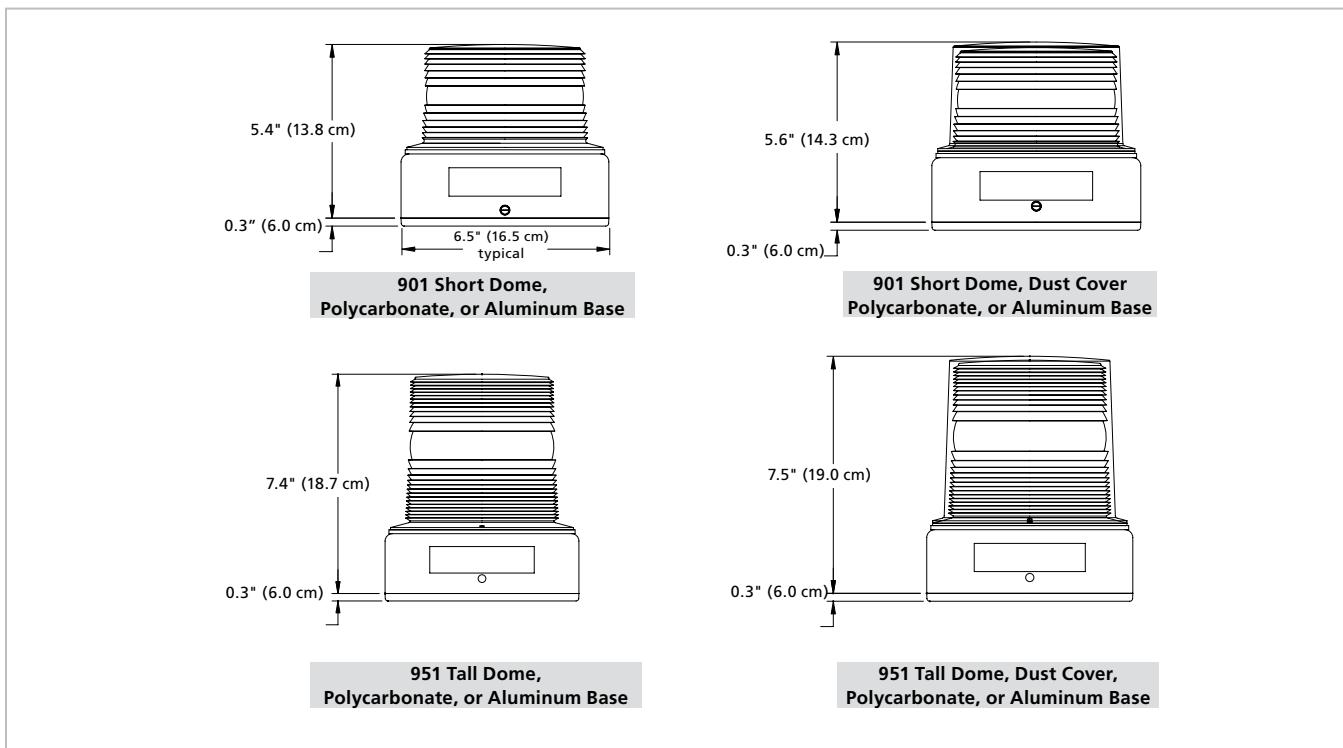

CLASS 1
CAC Title 13

Model	Description
Model 901, 18J, 21.3 W, 12-48 VDC, double flash, hi/low	
211740-02	Open-style bottom, short dome, Amber
Model 951, 18J, 21.3 W, 12-48 VDC, double flash, hi/low	
211742-02	Open-style bottom, tall dome, Amber
Accessories — Model 901 only	
210781SSG	Wire branch guard
210877SSG	Polycarbonate dust cover with black top
Accessories — Model 951 only	
200776-95	Polycarbonate dust cover without black cover
210782	Wire branch guard
210878	Polycarbonate dust cover with black top
Accessories and Kits — Model 901 and 951	
210050SSG	Kit, aluminum flush magnetic mount
210830SSG	Polycarbonate 1" pipe/flush mount bottom
210831SSG	Kit, polycarbonate flush magnetic mount
210846	Aluminum flush enclosed bottom
210923SSG	Aluminum raised enclosed bottom
210928SSG	Magnetic mount kit for aluminum/polycarbonate mount bottoms
210982	Aluminum 1" pipe/flush mount bottom



FEDERAL SIGNAL

Model 901/951 | Strobe Beacon



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Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Model 901	12/48	2.1 Amps @ 12 V to 0.55 Amp @ 48 V	18/9	21.3	75	Class 1	Aluminum	6.5 in x 5.4 in	2.3	5
Model 951	12/48	2.1 Amps @ 12 V to 0.55 Amp @ 48 V	18/9	21.3	75	Class 1, Title 13	Aluminum	6.5 in x 7.4 in	2.7	5



210781SSG



210782



200776-95



210830SSG



210831SSG

Model 401 | Strobe Beacon

Features

- Rubber base resists corrosion and absorbs harsh shock
- Low-profile strobe beacon
- Automatic adjustment to function at any voltage from 12/48 VDC
- Three-year warranty



CLASS 3

Approvals

- SAE J1318, Class 3

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Applications

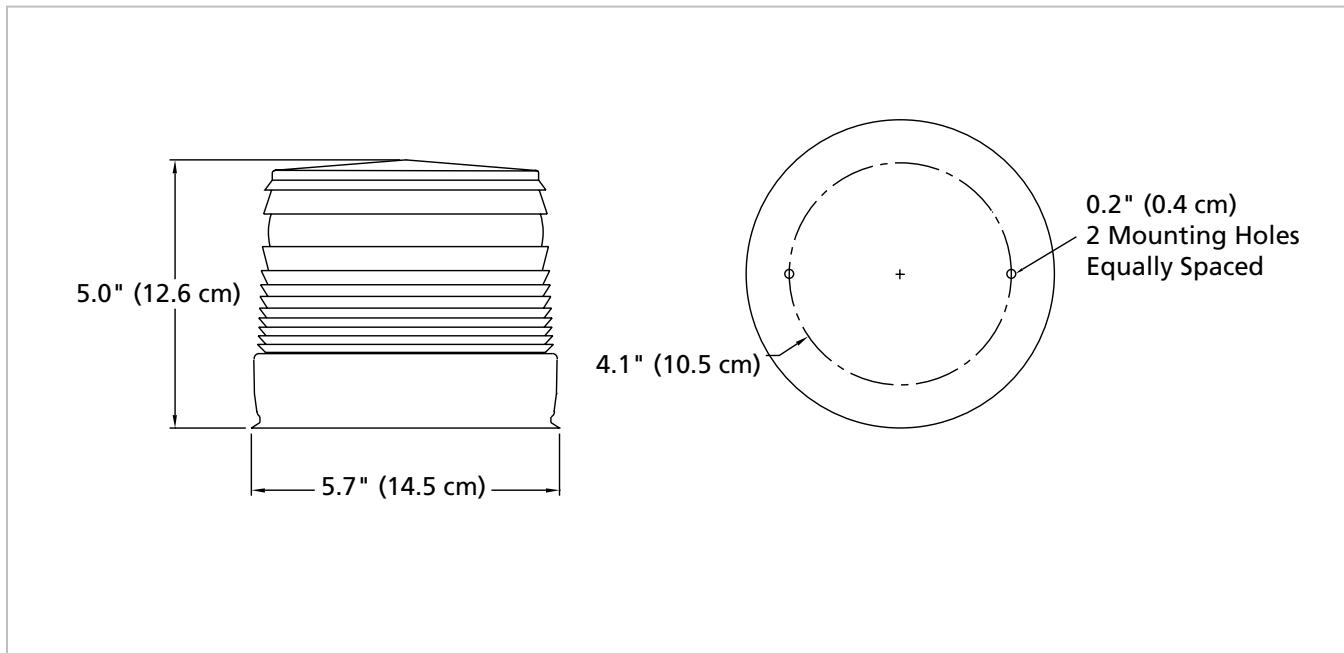
- Construction
- Forklifts
- Industrial

Model	Description
Double Flash, Permanent Mount	
220300-02	5J, 5.4 W, 12-48 VDC, 65 FPM, Amber; -03(Blue); -04(Red)
Single Flash, Permanent Mount	
220301-02	5J, 5.4 W, 12-48 VDC, 65 FPM, Amber
Double Flash, Magnetic Mount	
220308-02	5J, 5.4 W, 12-48 VDC, 65 FPM, Amber; -03(Blue); -04(Red)
Single Flash, Magnetic Mount	
220309-02	5J, 5.4 W, 12-48 VDC, 65 FPM, Amber; -03(Blue)
Common Replacement Parts	
8107230A-95	Flash Tube, Double Flash
Z8263073A-05	Dome, Amber; -01(Blue); -02(Red); -03(Clear); -04(Green)



FEDERAL SIGNAL

Model 401 | Strobe Beacon



63

Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Model 401	12/48	0.65 Amp @ 12 V to 0.17 Amp @ 48 V	5	5.4	65	Class 3	Rubber	5.7 in x 5.0 in	1.3 1.9 (Heavy Duty)	3

Firebolt® Plus | Strobe Beacon

Features

- Automatic adjustment to function at multi-voltages
- Polycarbonate base available in permanent and magnetic models
- Replaceable strobe tubes
- Three-year warranty

Approvals

- 2-Joule: SAE J845, Class 3
(SAE J1318, Class 3, 2009)

64

Applications

- Forklifts
- Landscaping
- Snow plows
- Utility



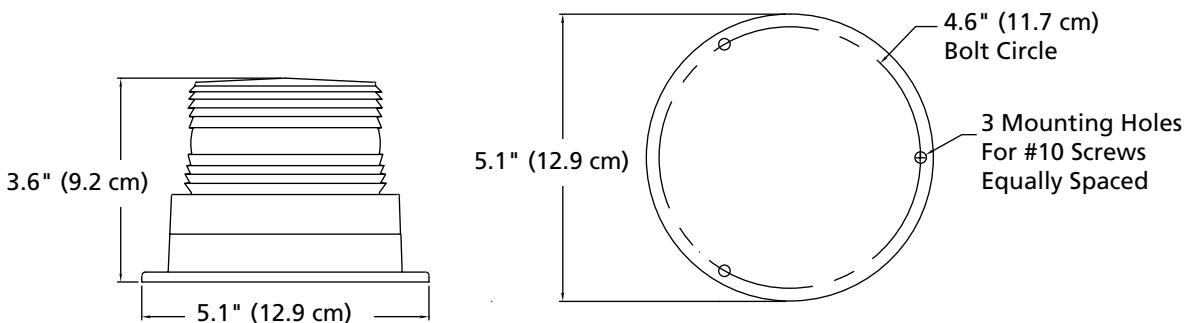
CLASS 3

Model	Description
Firebolt Plus, 2J, 2 W, 12/72 VDC, single flash, replaceable strobe tube	
220200-02	Permanent mount, Amber; -03(Blue); -04(Red); -05(Clear); -06(Green)
220208-02	Magnetic mount, Amber: -03(Blue); -05(Clear); -06(Green)
Accessories and Kits	
210539	"L" mounting bracket
210728	Kit, magnetic mount with cigarette plug
210850SSG	Adapter, pipe mount, 3/4"
210881	Adapter, pipe mount, 1/2"
211676	Branch guard, Chrome
Common Replacement Parts	
211300-95	Flash tube, Firebolt Plus
211356-95	Power supply and flash tube, 115 VAC, Firebolt
211360-95	Power supply and flash tube, 2-Joules, Firebolt
211550-95	Power supply, Firebolt Plus
205580-95	Dome, Amber
205581-95	Dome, Red
205582-95	Dome, Clear
205584-95	Dome, Blue
200522-95	Gasket, base
200523-95	Gasket, dome
208505-95	Base



FEDERAL SIGNAL

Firebolt® Plus | Strobe Beacon



Model	Operating Voltage	Amp Draw	Joules	Watts	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Firebolt Plus	12/72 @ 2J 12/48 @ 5J	0.24 Amp @ 12 V to 0.04 Amp @ 24 V	2	16	60/65	Class 3	Polycarbonate	5.1 in x 3.6 in	0.7	3

65



Screw-on dome, easy access for strobe tube changes



Shatterproof dome and base
with o-ring protection against
moisture



Magnet mount with cigarette
plug option



210850SSG



210881



210539



211676

Sentry® | Halogen Beacon

Features

- Rugged, polycarbonate housing features twist-off dome for easy maintenance
- Compact size allows for a variety of mounting options
- Large parabolic reflector and 55-watt halogen bulb produce an attention-getting 80,000 candelas per flash
- Permanent and magnetic mount versions available
- Five-year warranty

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Approvals

- SAE J845, Class 1 (SAE J1318, Class 1, 2009)
- CAC Title 13

Applications

- Construction
- Landscaping
- Municipal
- Snow plows



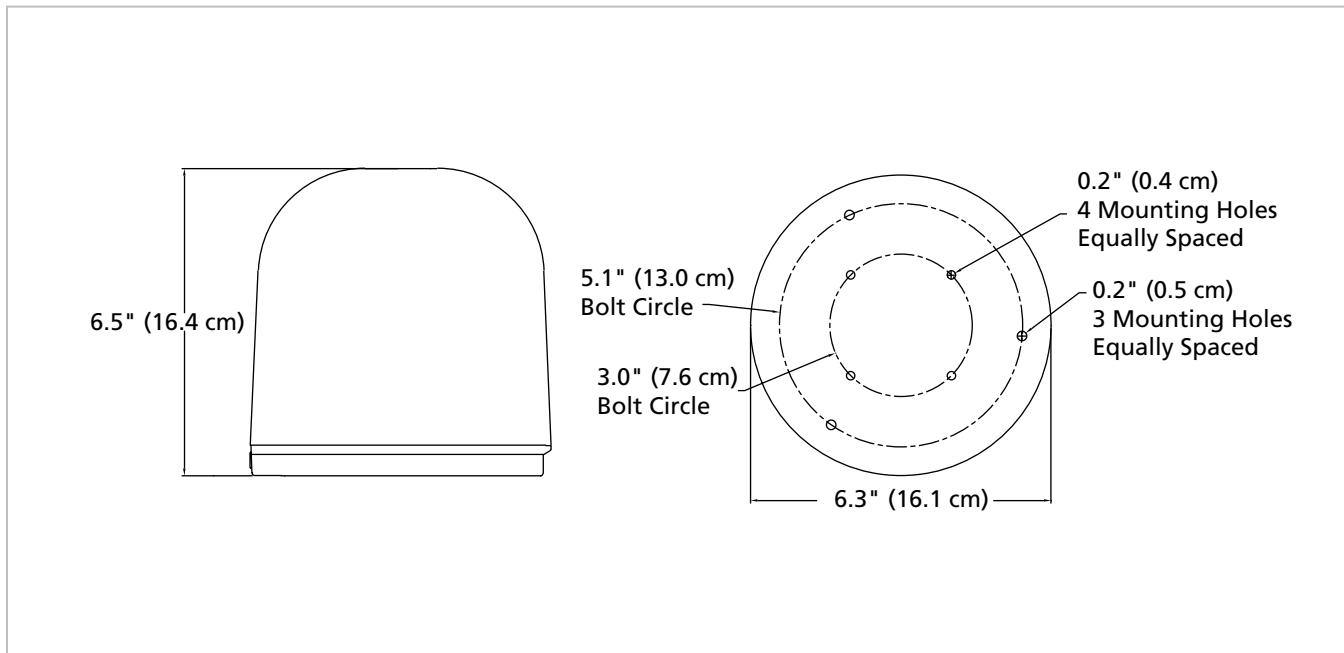
CLASS 1 CAC Title 13

Model	Description
12 VDC, 95 FPM	
448112-02	Permanent mount, Amber; -03(Blue); -04(Red); -06(Green)
448142-02	Magnetic mount, Amber; -03(Blue)
24 VDC, 95 FPM	
448114-02	Permanent mount, Amber
12 VDC, 175 FPM	
449112-02	Permanent mount, Amber; -03(Blue); -04(Red)
449122-02	Pipe mount, Amber
449142-02	Magnetic mount, Amber; -03(Blue)
Accessories and Kits	
448320	Branch guard pipe mount adapter
448330	Branch guard
448410	Kit, magnetic mount
448310	Kit, vibration mount
Common Replacement Parts	
Z8440A265A-02	Bulb, 12 VDC, 55 W, halogen, long life
439231-95	Bulb, 24 VDC, 70 W
447532SSG	Motor, 12 VDC, 95 FPM
447539	Motor, 12 VDC, 175 FPM
447534	Motor, 24 VDC, 95 FPM
448572SSG	Rotator, 12 VDC, 95 FPM
448522	Rotator, 12 VDC, 175 FPM
448514	Rotator, 24 VDC, 95 FPM
448524	Rotator, 24 VDC, 175 FPM
448500-02	Dome, Amber; -03(Blue); -04(Red); -05(Clear)



FEDERAL SIGNAL

Sentry® | Halogen Beacon



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Model	Operating Voltage	Amp Draw	Lamp	Candelas	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Sentry	12/24	4.3 Amps @ 12 V; 2.1 Amps @ 24 V	55/70	80,000	95/175	Class 1, Title 13	Polycarbonate	6.3 in x 6.5 in	2.0	5



On/off control with switch on cigarette plug



Quick Maintenance — replace bulb without tools



448320



448330



448410



448310

Model 100 | Halogen Beacon

Features

- Powerful 80,000 candela rotator provides effective warning
- All exposed materials are non-corrosive
- Modular design for easy maintenance
- Rotator assembly “floats” on neoprene sleeves that absorb vibration to extend service life
- Five-year warranty

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Approvals

- SAE J845, Class 1
- CAC Title 13

Applications

- Construction
- DOT/Municipal
- Fire/Rescue
- Tow and Recovery
- Utility

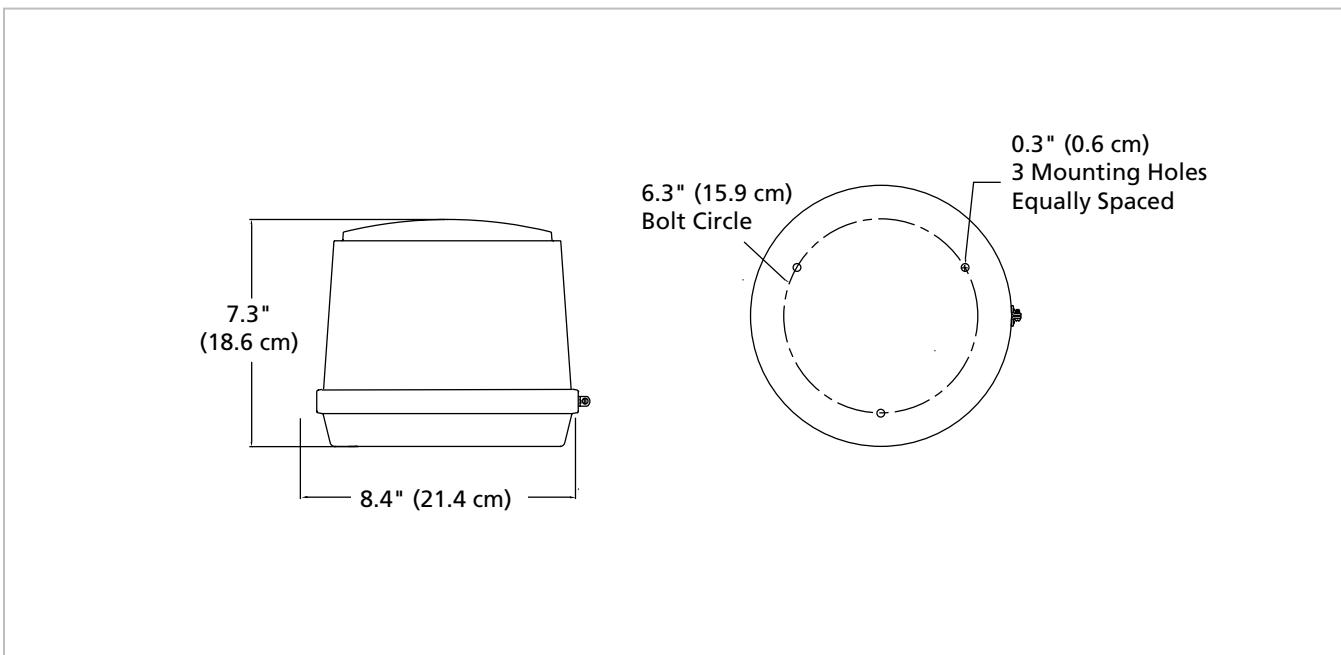

CLASS 1
CAC Title 13

Model	Description
Model 100, 12 VDC, 175 FPM	
442112-02	Permanent mount, Amber; -04(Red)
Model 100, 24 VDC, 175 FPM	
442114-02	Permanent mount, Amber
Model 100, 12 VDC, 95 FPM	
443112-02	Permanent mount, Amber; -03(Blue); -04(Red)
443212-02	Magnetic mount, Amber
443312-02	Magnetic mount, replacement bulb, Amber
Model 100, 24 VDC, 95 FPM	
443114-02	Permanent mount, Amber; -04(Red)
443314-02	Permanent mount, replacement bulb, Amber
Accessories and Kits	
447302	Kit, vibration mount
447303	Branch guard
Common Replacement Parts	
Z8440A265A-02	Bulb, 12 VDC, 55 W, halogen, long life
439231-95	Bulb, 24 VDC, 70W
447532SSG	Motor, 12 VDC, 95 FPM
447542	Motor, 12 VDC, 120 FPM
447539	Motor, 12 VDC, 175 FPM
447534	Motor, 24 VDC, 95 FPM
442512	Rotator, 12 VDC, 95 FPM
442522	Rotator, 12 VDC, 175 FPM
Z8422C002-01	Dome, Red; -04(Amber); -05(Clear); -09(Blue)



FEDERAL SIGNAL

Model 100 | Halogen Beacon



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Model	Operating Voltage	Amp Draw	Lamp	Candelas	FPM	Approvals	Base Material	Dimensions (D x H)	Ship Weight (lbs)	Warranty (years)
Model 100	12/24	4.3 Amps @ 12 V; 2.1 Amps @ 24 V	55/70	80,000	95/120/195	Class 1, Title 13	Polycarbonate	8.4 in x 7.3 in	4.0	5



447303
Branch guard



447302
Vibration mount kit

VPX SignalMaster™ | Directional Lighting

Features

- Viper® EXT LED modules provide superior light intensity
- Eight high-powered LEDs in each Viper EXT module
- Low Amp draw
- Fully-encapsulated, water resistant modules ideal for external mounting
- Extrusion designed to block sunlight, increasing the warning effectiveness
- The full-featured controllers (sold separately) include low-power mode to reduce Amp draw for nighttime operation and fast mode that increases the "build" speed of the warning pattern
- Five-year warranty on Viper EXT LED modules

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Approvals

- SAE J845, Class 1
- CAC Title 13
(on select models)

Applications

- Construction
- Street Sweepers
- Tow & Recovery
- Utility
- Waste Hauling



CLASS 1 **CAC Title 13**

Model	Description
320842	20", (4) LED modules, 30-ft cable, Amber LEDs with Amber lens
320862	31", (6) LED modules, 30-ft cable, Amber LEDs with Amber lens
320866	31", (6) LED modules, 60-ft cable, Amber LEDs with Amber lens
320872	42", (8) LED modules, 15-ft cable, Amber LEDs with Amber lens
320882	42", (8) LED modules, 30-ft cable, Amber LEDs with Amber lens
320886	42", (8) LED modules, 60-ft cable, Amber LEDs with Amber lens
320892	51", (8) LED modules, 30-ft cable, Amber LEDs with Amber lens
320893	51", (8) LED modules, 50-ft cable, Amber LEDs with Amber lens
CAC Title 13 Model	
320935	51", (8) LED modules, 30-ft cable, Amber LEDs with Amber lens
Accessories and Kits	
320310	Kit, bracket, flush mount system
320320	Kit, bracket, double "L" mount
320330	Kit, bracket, system mount
320340	Kit, bracket, universal vehicle mount
320350	Kit, bracket, foot adapter
Common Replacement Parts	
Z8613194A-01	Viper EXT, Amber LEDs with Amber lens
Z8613194A-04	Viper EXT, Amber LEDs with Clear lens

NOTE

- See [page 78](#) for SignalMaster controllers, sold separately



330104-SB

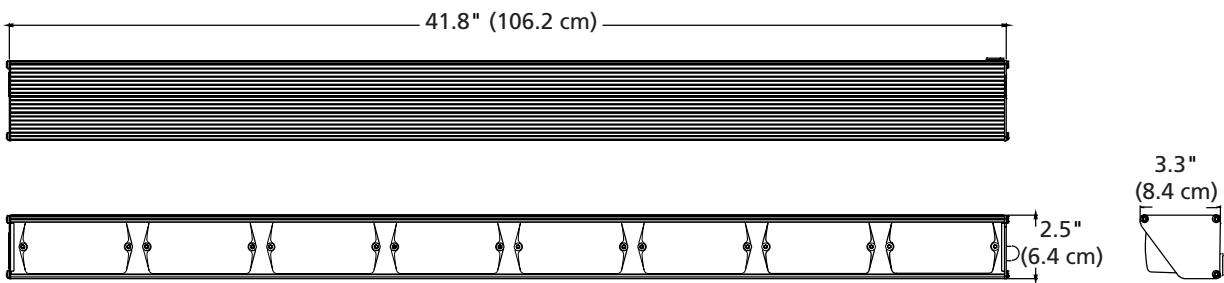


331105-SB

SignalMaster Controls



FEDERAL SIGNAL



8-head

Specifications

Voltage	12 VDC
Amp Draw	2.1 Amps per head

Physical Specifications

	Length	Width	Height	Ship Weight
4 Lamp	20 in (50.8 cm)	3.3 in (8.4 cm)	2.5 in (6.4 cm)	3.5 lbs (1.6 kg)
6 Lamp	31.0 in (78.7 cm)	3.3 in (8.4 cm)	2.5 in (6.4 cm)	6.0 lbs (2.7 kg)
42" 8 Lamp	41.8 in (106.2 cm)	3.3 in (8.4 cm)	2.5 in (6.4 cm)	6.5 lbs (2.9 kg)
51" 8 Lamp	50.9 in (129.3 cm)	3.3 in (8.4 cm)	2.5 in (6.4 mm)	9.7 lbs (4.4 kg)
Controller	5.1 in (129.5 cm)	6.1 in (15.5 cm)	1.4 in (3.6 cm)	1.0 lbs (0.5 kg)



320310



320320



320330



320340



320350

Latitude™ SignalMaster™ | Directional Lighting

Features

- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Available in 6-head and 8-head models
- Three LEDs per position
- Both interior and exterior mounting brackets are available; compatible with Federal Signal's SignalMaster brackets
- Innovative co-extrusion, polycarbonate housing provides moisture resistance
- Each model includes left, right and center-out warning signals
- Five-year LED warranty

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Approvals

- SAE J595 Class 1
- CAC Title 13, Class B

Applications

- Construction
- Street sweepers
- Tow & Recovery
- Utility
- Waste hauling



SL8S-A



SL8S-A48

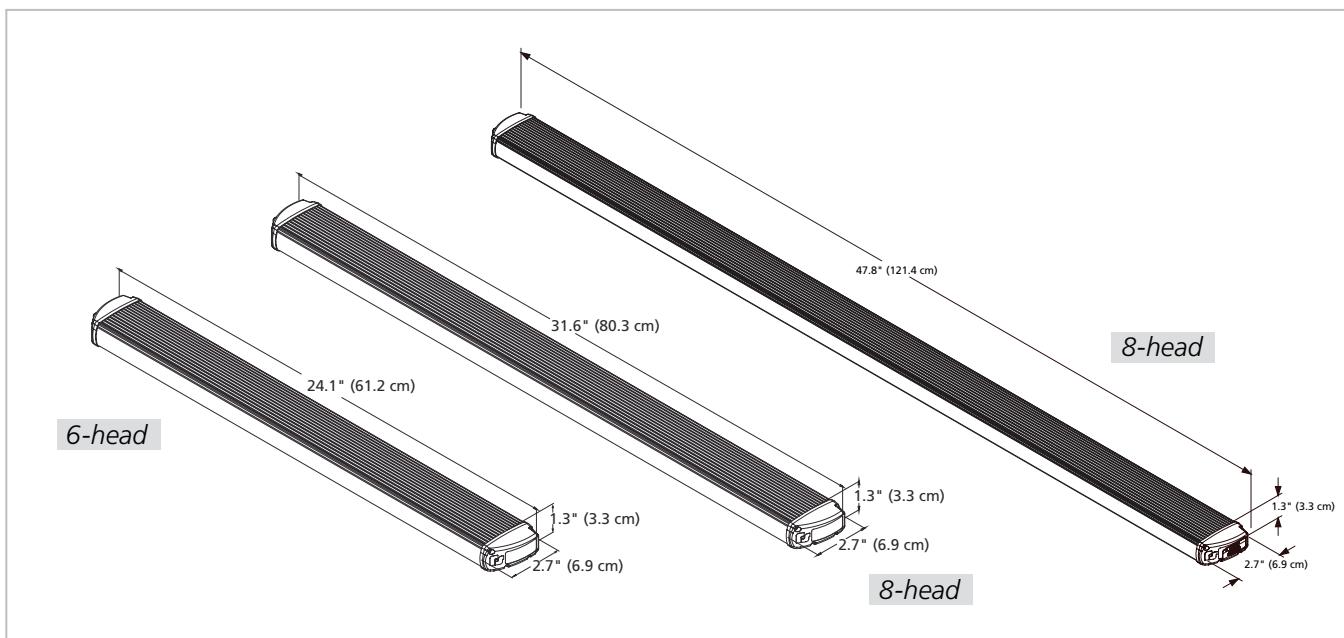
CLASS 1 CAC Title 13

Model	Description
6-head, 24.2" model	
SL6S-A	(6) Amber LED reflectors, A-A-A-A-A-A, SignalMaster Economy Controller
8-head, 31.6" model	
SL8S-A	(8) Amber LED reflectors, A-A-A-A-A-A-A-A, SignalMaster Economy Controller
SL8S-A-50	(8) Amber LED reflectors, A-A-A-A-A-A-A-A, SignalMaster Economy Controller, 50-ft cable
8-head, 48" model	
SL8S-A48	(8) Amber LED reflectors, A-A-A-A-A-A-A-A, SignalMaster Economy Controller
SL8S-A48-50	(8) Amber LED reflectors, A-A-A-A-A-A-A-A, SignalMaster Economy Controller, 50-ft cable

Accessories and Kits	
320310	Kit, bracket, flush mount system
320320	Kit, bracket, double "L" mount
320330	Kit, bracket, system mount
320340	Kit, bracket, universal vehicle mount
320350	Kit, bracket, foot adapter
SLB-6SHRD	6-head shroud
SLB-8SHRD	8-head shroud
SLB-001	Long L-bracket
SLB-002	Short L-bracket



FEDERAL SIGNAL



	6-Head	8-Head (31.6")	8-Head (48")
Specifications			
Voltage		12.8 VDC	
Amp Draw	3 Amps	4 Amps	4 Amps
Operating Temp		-22° F to +149° F (-30° C to +65° C)	
Physical Specifications			
Height	1.3 in (3.3 cm)	1.3 in (3.3 cm)	1.3 in (3.3 cm)
Length	24.1 in (61.2 cm)	31.6 in (80.3 cm)	47.8 in (121.4 cm)
Width	2.7 in (6.9 cm)	2.7 in (6.9 cm)	2.7 in (6.9 cm)
Ship Weight			
	3.8 lbs (1.7 kg)	4.0 lbs (1.8 kg)	5.0 lbs (1.8 kg)



320310



320320



320330



320340



320350



SLB-001



SLB-002

CN SignalMaster™ | Directional Lighting

Features

- Solaris® LED reflector technology
- FS Convergence Network controller
- A serial interface module is available for use with your existing light controller
- Available in 4-head and 8-head models
- Built-in SignalMaster functions and flash patterns
- Suitable for internal or external use
- Five-year warranty

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Approvals

- SAE Class 1
- CAC Title 13

Applications

- Construction
- Street sweepers
- Tow & Recovery
- Utility
- Waste hauling



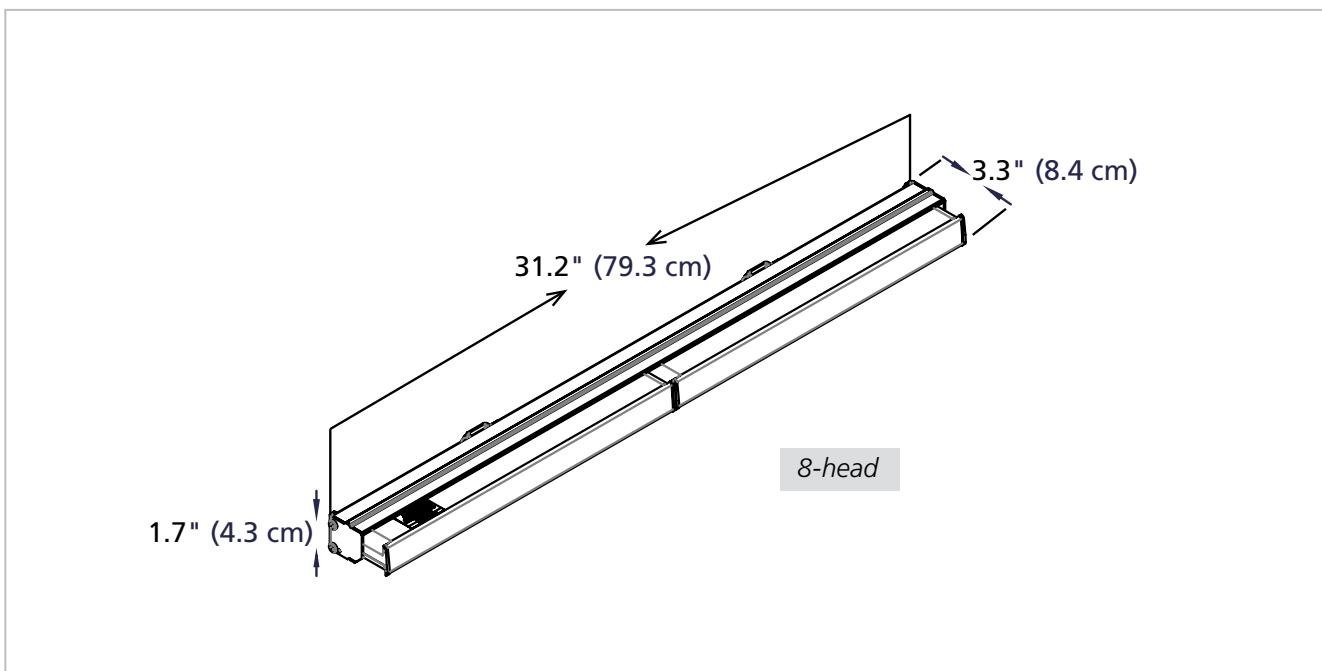
		CLASS 1	CAC Title 13	Online Lightbar Configurator		
Model	Description	8-Head Models				
8-Head Models						
CNSM8R-2654018	(8) Amber LED reflectors, no interface module					
CNSM8R-00037	(8) Amber LED reflectors, 6-button controller					
CNSM8RS-AMBR5	(8) Amber/White LED reflectors, interface module					
CNSM8RS-AMBR7	(8) Amber/White LED reflectors, 6-button controller					
Accessories and Kits						
CNSM-UM	Universal mount kit for internal and external use					
Z8583446E	Serial interface module					
Z8623133A-VAL	6-button programmable controller					

How to Order

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



FEDERAL SIGNAL



Specifications	
Voltage	12.8 VDC
Amp Draw	8 Amps
Operating Temp	-30° C to 65° C
Physical Specifications	
Height	1.7 in (4.3 cm)
Length	31.2 in (79.3 cm)
Width	3.3 in (8.4 cm)
Ship Weight	
	4.0 lbs (1.8 kg)*

* Controller not included



CNSM-UM

Escape 72" SignalMaster™ | Directional Lighting

Features

- Solaris® LED reflector technology
- (8) 6x4 QuadraFlare® LED reflectors provide superior light intensity
- (12) high-powered LEDs in each QuadraFlare® reflector
- Available with Amber or Clear domes
- Compatible with Federal Signal's SignalMaster™ controllers
- Five-year LED warranty



CLASS 1 CAC Title 13 SOLARIS

Model	Description
ELX72-SM8	(8) 6x4 QuadraFlare LED reflectors, Amber domes, 72"
ELX72-SM8C	(8) 6x4 QuadraFlare LED reflectors, Clear domes, 72"

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Approvals

- SAE J845, Class 1
- CAC Title 13, Class B

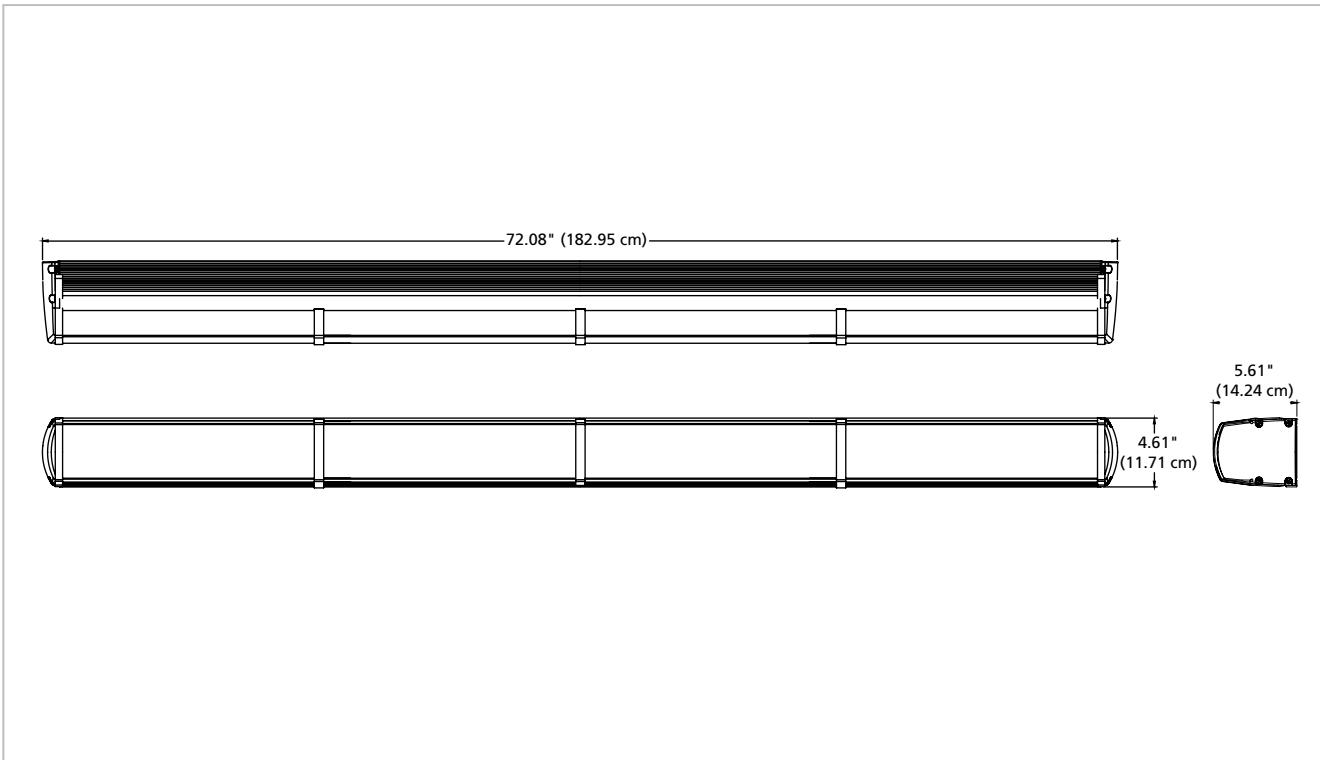
Applications

- Construction
- Street sweepers
- Tow & Recovery
- Utility
- Waste hauling



FEDERAL SIGNAL

Escape 72" SignalMaster™ | Directional Lighting



77

Specifications	
Voltage	12 VDC
Amp Draw	1.5 Amps per head, 12 Amps all on
Operating Temp	-30° C to 65° C
Physical Specifications	
Height	4.61 in (11.71 cm)
Length	72.08 in (182.95 cm)
Ship Weight	
	36 lbs (16.3 kg)

SignalMaster™ Controls | Directional Lighting

Features

- Combined 12 and 24 VDC operation from one controller
- Operates two SignalMaster™ directional lights (SMC5)
- One controller operates (2) 4-, 6-, or 8-lamp directional lights
- Fourteen (SMC5) / seven (SMC1) SignalMaster warning patterns
- AUX IN and AUX OUT functions with eight warning patterns and steady-on mode allows customization of complete warning packages (SMC5)
- Turn signal override feature (SMC5)
- Tactile membrane switch panel
- Reliable surface mount circuitry

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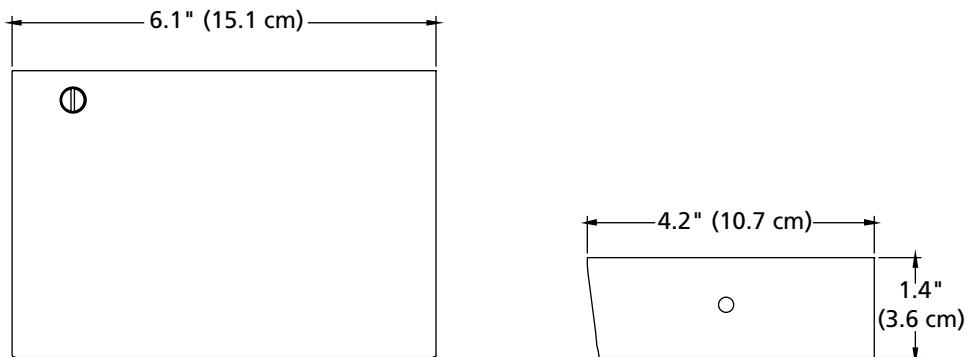


Model	Description
330104-SB	SMC1, Six or eight-lamp, 12 or 24 VDC (multiple installer-selectable flash patterns, fuse protected)
331105-SB	SMC5, Heavy Duty six or eight-lamp, 12 or 24 VDC (slide switch, multiple installer-selectable flash patterns, heavy duty ground, fuse protected, controls two SignalMasters simultaneously), turn signal override feature
Common Replacement Part	
Z140325A-13	SMC5, 15-position female connector for full featured controller
Z8536C1041A	Knob



FEDERAL SIGNAL

SignalMaster™ Controls | Directional Lighting



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	SMC5 Specifications Model 331105-SB	SMC1 Specifications Model 330104-SB
Specifications		
Input Voltage	11 VDC to 28 VDC	
Polarity	Negative ground only	
Operating Temp. Range	-30°C to +65°C	
Standby Current	7mA (0.007A)	
+BAT Fuse	25 Amps (installer supplied)	
+Ignition Fuse	2 Amps	
Relay Fuse	1 Amp (installer supplied)	N/A
Output Drive Capability (Total)		
Directional	(16) 27 W lamps on eight channels (2 lightbars in parallel)	(8) 27 W lamps on eight channels
Auxiliary	(4) 27 W lamps (2 per output) (2) 55 W lamps (1 per output)	N/A
Normal Directional Flash Rate	Approx. 30 patterns per minute	
Fast Directional Flash Rate	Approx. 45 patterns per minute	N/A
Physical Dimensions		
Height	1.4 in (3.6 cm)	
Width	6.1 in (15.1 cm)	
Depth	4.2 in (10.7 cm)	
Ship Weight		
	2.5 lbs (1.1 kg)	

IMPAXX®6 / IMPAXX®3 | Exterior Mount/Perimeter Lights

Features

- SpectraLux™ multicolor LED technology
- Solaris® LED reflector technology
- Fully-encapsulated waterproof housing
- Available in 6-LED or 12-LED
- (25) flash patterns
- LEDs offered in Amber, Blue, Green, Red and White
- Five-year LED warranty

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Approvals

- IMPAXX6, SAE J595 Class 1
- IMPAXX6, CAC Title 13, Class B
- IMPAXX3, SAE J595 Class 2
- EMI and RFI approved

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



IPX600B-A

IPX300-2

CLASS 1 **CLASS 2** (IPX3) **CAC Title 13** (IPX6) 

Model	Description
IMPAXX 6	
Single color, Clear off-axis lens, horizontal mount	
IPX600B-A	(6) LEDs Amber; -B(Blue); -G(Green); -R(Red); -W(White)
Dual color, Clear off-axis lens, horizontal mount	
IPX620B-BA	(12) LEDs Blue/Amber
IPX620B-BW	(12) LEDs Blue/White
IPX620B-RA	(12) LEDs Red/Amber
IPX620B-WA	(12) LEDs White/Amber
IMPAXX 3	
Clear lens, off-axis lens	
IPX300-2	(3) LEDs Amber; -3(Blue); -4(Red); -5(White); -6(Green)
Colored lens, off-axis lens	
IPX302-2	(3) LEDs Amber; -3(Blue); -4(Red); -6(Green)
Accessories or Kits	
IPX6M-1	Chrome bezel, for all IMPAXX 6 models
IPXM-1	Chrome bezel, all IMPAXX 3 models

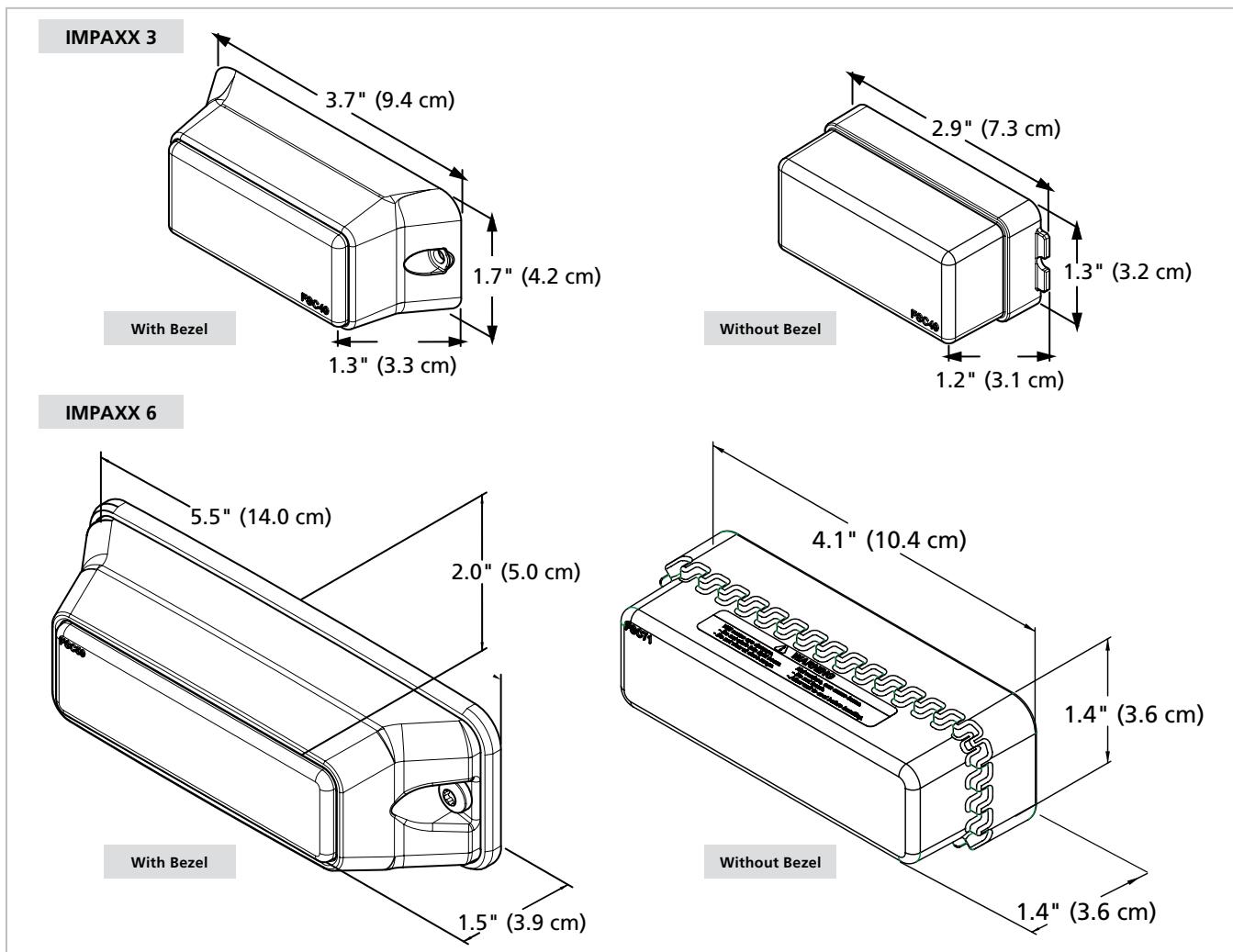
NOTE

- See page 82 for mounting options



FEDERAL SIGNAL

IMPAXX®6 / IMPAXX®3 | Exterior Mount/Perimeter Lights



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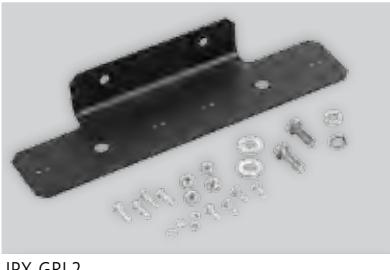
	IPX3	IPX6
Specifications		
Voltage	12.8 VDC	12.8 VDC
Current Draw	0.7 Amp	1.0 Amp
Operating Temp.	-30° C to +65° C	-30° C to +80° C
Physical Specifications (with Bezel)		
Height	1.7 in (4.2 cm)	2.0 in (4.8 cm)
Length	3.7 in (9.4 cm)	5.5 in (14.0 cm)
Width	1.3 in (3.3 cm)	1.5 in (3.9 cm)
Physical Specifications (without Bezel)		
Height	1.3 in (3.2 cm)	1.4 in (3.6 cm)
Length	2.9 in (7.3 cm)	4.1 in (10.4 cm)
Width	1.2 in (3.1 cm)	1.4 in (3.6 cm)
Ship Weight		
	1.0 lb (0.45 kg)	1.0 lb (0.45 kg)

IMPAXX® Brackets



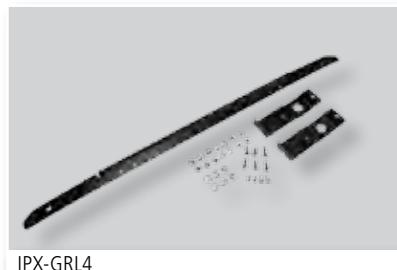
IPX-GRL1

Grille Bracket, IPX3/IPX6/VPX8, (1) grille bracket with hardware, vertical mount orientation



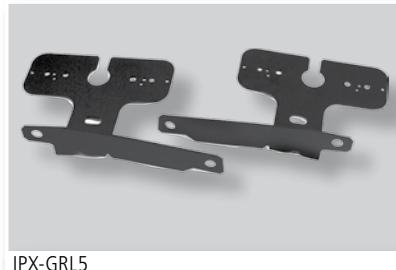
IPX-GRL2

Grille Bracket, IPX3/IPX6/VPX8, (1) grille bracket with hardware, horizontal mount orientation



IPX-GRL4

Grille Bracket, IPX3-only, pair of grille brackets with each bracket holds (2) IPX3 light in a vertical orientation



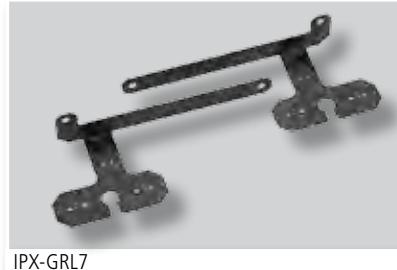
IPX-GRL5

Grille Bracket, IPX3/IPX6/VPX8/MPS300/MPS600, pair of grille brackets with hardware



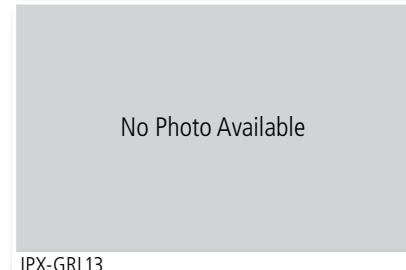
IPX-GRL6

Grille Bracket, IPX3/IPX6/MPS300/MPS600, pair of grille brackets with hardware



IPX-GRL7

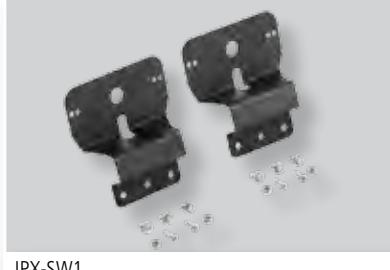
Grille Bracket, IPX3/IPX6/MPS300/MPS600, pair of grille brackets with hardware



No Photo Available

IPX-GRL13

IPX3/IPX6/MPS3/MPS6/MPS12 grille bracket with hardware, horizontal mount, Chevy Traverse 2016-17



IPX-SW1

Rear Side Window Bracket, IPX3/VPX8, pair of rear side window mount brackets



VPX-SW

Rear Side Window Bracket, VPX8, pair of rear side window mount brackets, each bracket hold (2) Viper EXT lights



IPX-RDW2

Rear Side Window Bracket, IPX3/IPX6/VPX8, pair of rear side window mount brackets and covers, each bracket holds (2) IMPAXX or Viper EXT lights



IPX-ROW1

Rear Side Window Bracket, IPX3/IPX6, pair of rear side "Opera" window mount brackets



IPX-RSW1

Rear Side Window Bracket, IPX3/IPX6/VPX8, pair of rear side window mount brackets and covers



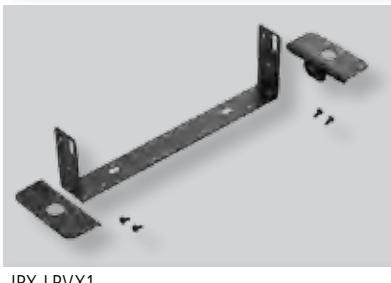
FEDERAL SIGNAL

IMPAXX® Brackets



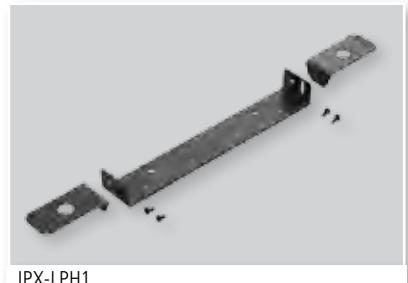
IPX-RSW2

Rear Side Window Bracket, IPX3/IPX6/VPX8, pair of rear side window mount brackets and covers



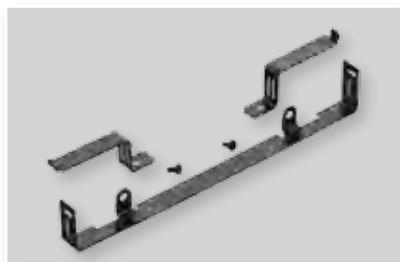
IPX-LPVX1

License Plate Bracket, IPX3/IPX6/VPX8, extended license plate bracket for vehicles with a recessed license plate mount location



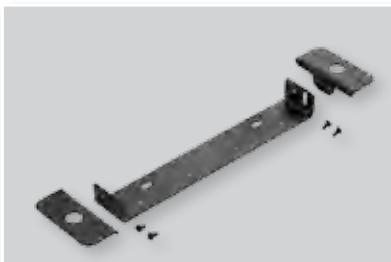
IPX-LPH1

License Plate Bracket, IPX3/IPX6/VPX8, generic high side license plate holder with horizontal mount tab on each side, fits most vehicles



IPX-LPF1

License Plate Bracket, IPX3 only, generic low side license plate holder for horizontal IMPAXX install, most vehicles



IPX-LPV1

License Plate Bracket, IPX3/IPX6/VPX8, flat surface license plate mount, various vehicles without recessed plate mounting locations



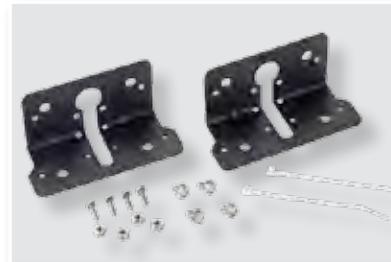
IPX-PB45H

Push Bumper Bracket, IPX3/IPX6/VPX8, pair of 45-degree slanted push bumper mounts with hardware, horizontal light orientation, fits most push bumpers



IPX-PB45V

Push Bumper Bracket, IPX3/IPX6/VPX8, pair of 45-degree slanted push bumper mounts with hardware, vertical light orientation, fits most push bumpers



IPX-PBL1

Universal Mount Bracket, IPX3/IPX6/VPX8, pair, universal "L" bracket, horizontal orientation

MicroPulse™ Wide Angle | Exterior Mount/Perimeter Lights

Features

- Utilizes 9 LEDs; 180-degree light spread
- (12) flash patterns
- UV resistant polycarbonate lens
- Synchronizes with other MicroPulse products
- Black bezel included; optional bezel in chrome available
- Available in Amber, Blue, Red and White
- Three-year LED warranty

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Approvals

- SAE J845, Class 1
- SAE J595, Class 1

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



MPSW9-A

CLASS 1

Model	Description
MicroPulse Wide Angle 9, Single Color	
MPSW9-A	9-LED lighthead, Amber
MPSW9-B	9-LED lighthead, Blue
MPSW9-R	9-LED lighthead, Red
MPSW9-W	9-LED lighthead, White
MicroPulse Wide Angle 9, Dual-Color	
MPSW9-AW	18-LED lighthead, Amber/White
MPSW9-BA	18-LED lighthead, Blue/Amber
MPSW9-BW	18-LED lighthead, Blue/White
MPSW9-RA	18-LED lighthead, Red/Amber
MPSW9-RB	18-LED lighthead, Red/Blue
MPSW9-RW	18-LED lighthead, Red/White
Accessories	
MPSMW9-1	Chrome bezel for (1) MPSW9
MPSMW9-3	Black bezel for (1) MPSW9
MPSMW9-LB	"L" bracket for (1) MPSW9
MPSMW9-SPACRKIT	(4) 5-degree rubber mounting wedges for the use with MPSW9

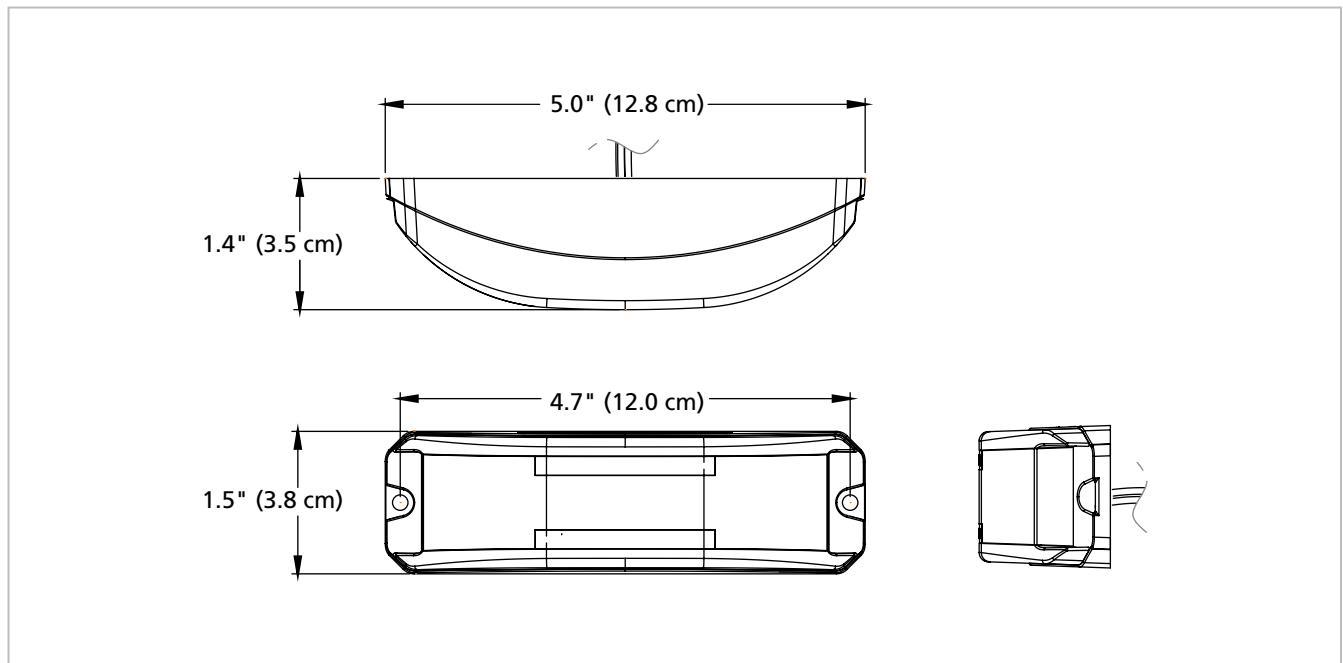
NOTE

- Visit www.fedsig.com to view MicroPulse Wide Angle flash patterns

MPSW9-A show with optional Chrome bezel
(MPSMW9-1)

FEDERAL SIGNAL

MicroPulse™ Wide Angle | Exterior Mount/Perimeter Lights



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Specifications

Voltage	12/24 VDC
Current Draw	0.58 Amp @ 12 VDC 0.28 Amp @ 24 VDC
Operating Temp.	-40° C to +80° C

Physical Specifications (L x H x D)

Surface Mount	5.0 in x 1.5 in x 1.4 in (12.8 cm x 3.8 cm x 3.5 cm)
---------------	---

Ship Weight

	0.5 lbs (0.23 kg)
--	-------------------



MPSW9-A

Shown on PBX Series Push Bumper, model PBX06

MicroPulse™ Ultra

Exterior Mount/Perimeter Lights

Features

- Multiple mounting options for various applications
- Superior warning with (3), (6), or (12) high-powered LEDs
- Low-profile design offers wider range of mounting locations
- 18 (MPS3U), 23 (MPS6U), or 25 (MPS12U) selectable flash patterns
- Suitable for external and/or internal mounting applications
- Single/multi-unit synchronization
- Includes black bezel and gasket, optional bezels, available in Chrome or White
- Three-year LED warranty

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Approvals

- SAE J845, J595 Class 1

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



CLASS 1

Model	Description
MicroPulse Ultra 3	
MPS300U-A	3-LED lighthead, Amber; -B(Blue); -R(Red); -W(White)
MicroPulse Ultra 6	
MPS600U-AA	6-LED lighthead, Amber/Amber
MPS600U-BA	6-LED lighthead, Blue/Amber
MPS600U-BB	6-LED lighthead, Blue/Blue
MPS600U-BR	6-LED lighthead, Blue/Red
MPS600U-GA	6-LED lighthead, Green/Amber
MPS600U-RA	6-LED lighthead, Red/Amber
MPS600U-RR	6-LED lighthead, Red/Red
MPS600U-RW	6-LED lighthead, Red/White
MPS600U-WA	6-LED lighthead, White/Amber
MPS600U-WW	6-LED lighthead, White/White
MicroPulse Ultra 12	
MPS1200U-AA	12-LED lighthead, Amber/Amber
MPS1200U-BA	12-LED lighthead, Blue/Amber
MPS1200U-BB	12-LED lighthead, Blue/Blue
MPS1200U-BR	12-LED lighthead, Blue/Red
MPS1200U-BW	12-LED lighthead, Blue/White
MPS1200U-RA	12-LED lighthead, Red/Amber
MPS1200U-RR	12-LED lighthead, Red/Red
MPS1200U-RW	12-LED lighthead, Red/White
MPS1200U-WA	12-LED lighthead, White/Amber
MPS1200U-WW	12-LED lighthead, White/White
Accessories	
MPSUM3-1	Chrome bezel for (1) MicroPulse Ultra 3
MPSUM3-2	White bezel for (1) MicroPulse Ultra 3
MPSUM6-1	Chrome bezel for (1) MicroPulse Ultra 6
MPSUM6-2	White bezel for (1) MicroPulse Ultra 6
MPSUM12-1	Chrome bezel for (1) MicroPulse Ultra 12
MPSUM12-2	White bezel for (1) MicroPulse Ultra 12

NOTES

- Visit www.fedsig.com to view MicroPulse Ultra flash patterns
- See [page 94](#) for mounting brackets



FEDERAL SIGNAL

MicroPulse™ Ultra Dual | Exterior Mount/Perimeter Lights

Features

- Flash as a solid or dual color lighthead
- Multiple mounting options for various applications
- Superior warning with (12) and (24) high-powered LEDs
- Low-profile design offers wider range of mounting options
- (18) selectable flash patterns
- Suitable for external and/or internal mounting applications
- Single/multi-unit synchronization
- Includes black bezel and gasket, optional bezels available in Chrome or White
- Three-year LED warranty

Approval

- SAE J845, J595 Class 1

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



CLASS 1

Model	Description
MicroPulse Ultra 6, Dual-Color	
MPS620U-BA	12-LED lighthead, (6) Blue/(6) Amber
MPS620U-BR	12-LED lighthead, (6) Blue/(6) Red
MPS620U-BW	12-LED lighthead, (6) Blue/(6) White
MPS620U-RA	12-LED lighthead, (6) Red/(6) Amber
MPS620U-RW	12-LED lighthead, (6) Red/(6) White
MPS620U-WA	12-LED lighthead, (6) White/(6) Amber
MicroPulse Ultra 12, Dual-color	
MPS1220U-AW	24-LED lighthead, (12) White/(12) Amber
MPS1220U-BA	24-LED lighthead, (12) Blue/(12) Amber
MPS1220U-BR	24-LED lighthead, (12) Blue/(12) Red
MPS1220U-BW	24-LED lighthead, (12) Blue/(12) White
MPS1220U-RA	24-LED Lighthead, (12) Red/(12) Amber
MPS1220U-RW	24-LED lighthead, (12) Red/(12) White
Accessories	
MPSUM6-1	Chrome bezel for (1) MicroPulse Ultra 6
MPSUM6-2	White bezel for (1) MicroPulse Ultra 6
MPSUM12-1	Chrome bezel for (1) MicroPulse Ultra 12
MPSUM12-2	White bezel for (1) MicroPulse Ultra 12

NOTE

- See [page 94](#) for mounting brackets



MicroPulse Ultra is only 0.35" thick



FEDERAL SIGNAL

www.fedsig.com 800.824-0254 amberorders@fedsig.com

MicroPulse™ Ultra Series | Exterior Mount/Perimeter Lights



MPS600U-AA



MPS300U-W and MPS1200U-WA
(Shown with optional white bezel)



MPS600U-BA



MPS300U-A

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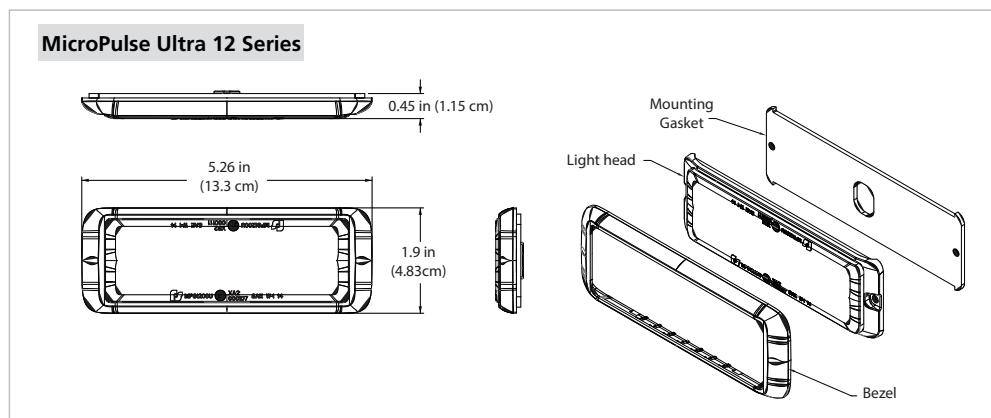
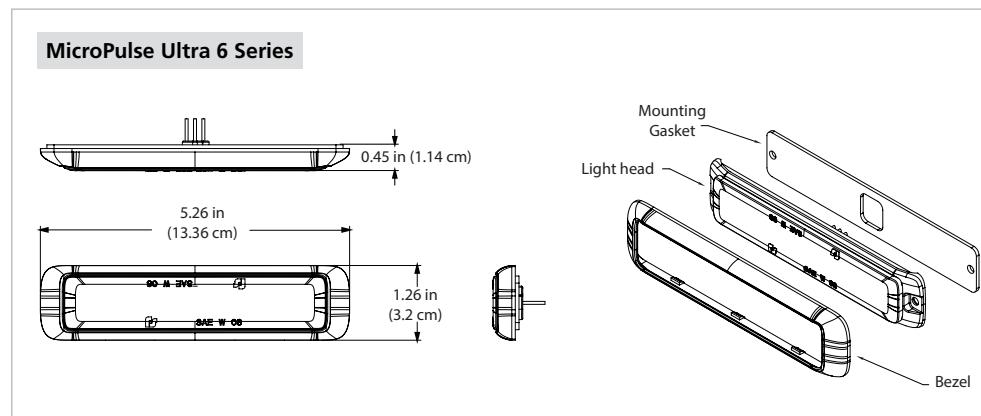
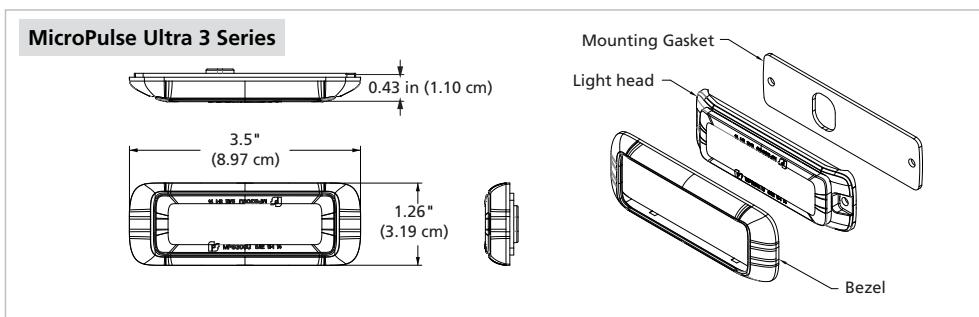
	MPS300U	MPS600U	MPS1200U
Specifications			
Voltage	12/24 VDC		
Current Draw	0.2 Amps at 12 VDC 0.11 Amps at 24 VDC	0.55 Amp @ 12 VDC 0.26 Amp @ 24 VDC	1.51 Amps @ 12 VDC 0.86 Amp @ 24 VDC
Operating Temp.	-40° C to +80° C		
Physical Specifications (L x H x D)			
Surface Mount	3.5 in x 1.26 in x 0.43 in (8.9 cm x 3.19 cm x 1.10 cm)	5.6 in x 1.26 in x 0.45 in (13.36 cm x 3.2 cm x 1.14 cm)	5.26 in x 1.9 in x 0.45 in (13.3 cm x 4.84 cm x 1.14 cm)
Ship Weight			
	0.5 lbs (0.23 kg)	0.75 lbs (0.34 kg)	1.0 lbs (0.45 kg)



FEDERAL SIGNAL

MicroPulse™ Ultra Series

Exterior Mount/Perimeter Lights



	MPS620U	MPS1220U
Specifications		
Voltage	12/24 VDC	
Current Draw	0.79 Amp @ 12 VDC	1.51 Amps @ 12 VDC
	0.45 Amp @ 24 VDC	0.86 Amp @ 24 VDC
Operating Temp.	-40° C to +80° C	
Physical Specifications (L x H x D)		
Surface Mount	5.26 in x 1.26 in x 0.45 in (13.36 cm x 3.2 cm x 1.43 cm)	5.26 in x 1.9 in x 0.45 in (13.36 cm x 4.83 cm x 1.14 cm)
Ship Weight		
	0.75 lbs (0.34 kg)	1.0 lbs (0.45 kg)

MicroPulse™ | Exterior Mount/Perimeter Lights

Features

- Multiple mounting options for various applications
- Superior warning with (3) or (6) high-powered LEDs
- Low-profile design offers wider range of mounting locations
- 12 (MPS3) or 19 (MPS6) selectable flash patterns
- Single/multi-unit synchronization
- Three-year LED warranty

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Approvals

MicroPulse 6

- SAE J845, Class 1 (solid colors)
- SAE J595, Class 1 (solid colors)

MicroPulse 3

- SAE J845, Class 1 (Red)
- SAE J595, Class 1 (Red)
- SAE J845, Class 2 (Amber)
- SAE J595, Class 2 (Amber, Blue and White)

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



MPS600-AA

CLASS 1 CLASS 2

Model	Description
MicroPulse 6	
Surface mount, 12/24 VDC, Clear lens	
MPS600-AA	6-LED lighthead, Amber/Amber LEDs
MPS600-BB	6-LED lighthead, Blue/Blue LEDs
MPS600-RB	6-LED lighthead, Red/Blue LEDs
MPS600-RR	6-LED lighthead, Red/Red LEDs
Hood/Grille mount, 12/24 VDC, Clear lens	
MPS650-AA	6-LED lighthead, Amber/Amber LEDs
MPS650-AW	6-LED lighthead, Amber/White LEDs
MPS650-BB	6-LED lighthead, Blue/Blue LEDs
MPS650-RB	6-LED lighthead, Red/Blue LEDs
MPS650-RR	6-LED lighthead, Red/Red LEDs
MPS650-RW	6-LED lighthead, Red/White LEDs
MPS650-WW	6-LED lighthead, White/White LEDs
MPS650-BA	6-LED lighthead, Blue/Amber LEDs
MPS650-BW	6-LED lighthead, Blue/White LEDs
Hood/Grille mount, 12-24 VDC, Clear lens, Dual Color	
MPS652-BA	12-LED light head, Blue/Amber
MPS652-BR	12-LED light head, Blue/Red
MPS652-BW	12-LED light head, Blue/White
MPS652-RA	12-LED light head, Red/Amber
MPS652-RW	12-LED light head, Red/White
MPS652-WA	12-LED light head, White/Amber
MicroPulse 3	
Hood/Grille mount, 12/24 VDC	
MPS350-A	3-LED lighthead, Amber, LEDs
MPS350-B	3-LED lighthead, Blue, LEDs
MPS350-R	3-LED lighthead, Red, LEDs
MPS350-W	3-LED lighthead, White, LEDs

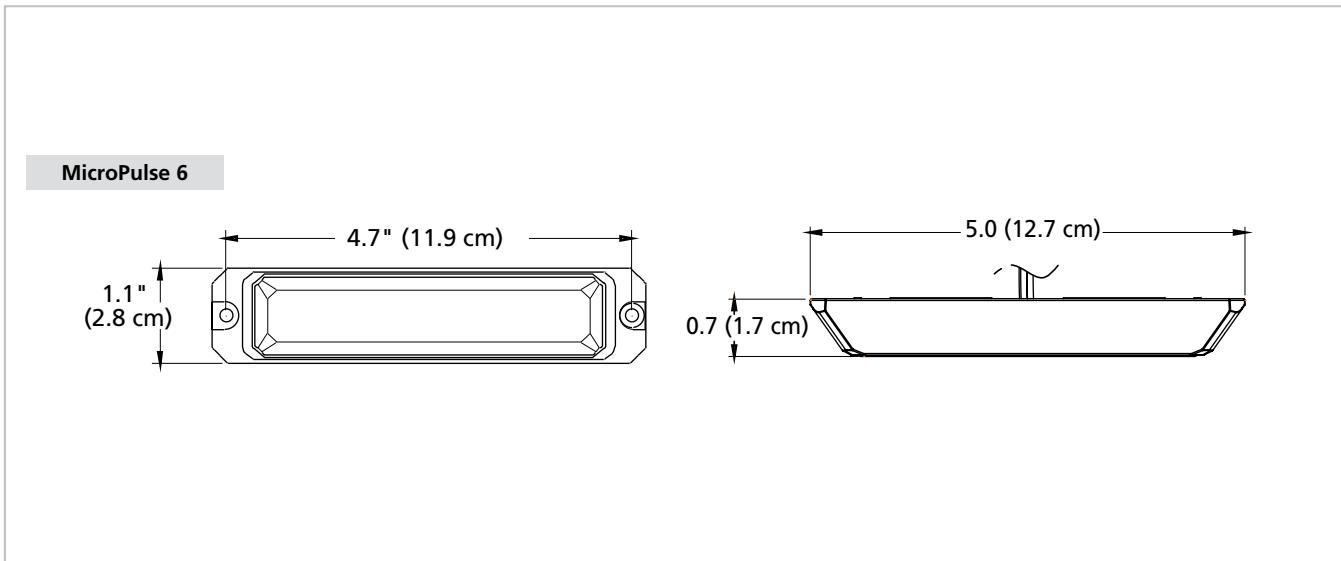
NOTE

- See next pages 94 for mounting brackets



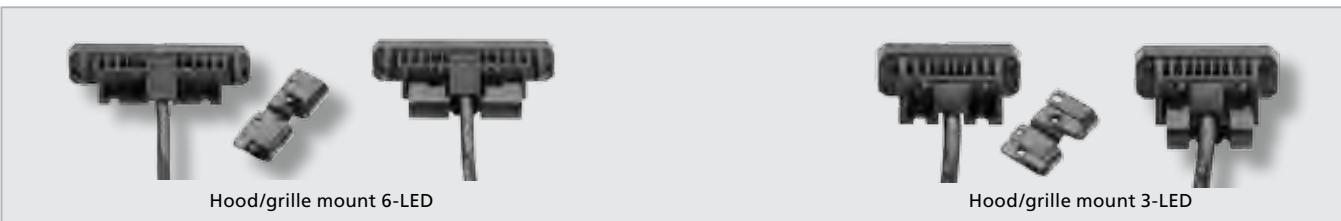
FEDERAL SIGNAL

MicroPulse™ | Exterior Mount/Perimeter Lights



	MPS3	MPS6
Specifications		
Voltage	12/24 VDC	
Current Draw	0.2 Amp at 12 VDC	0.55 Amp at 12 VDC
	0.11 Amp at 24 VDC	0.26 Amp at 24 VDC
Operating Temp.	-40°C to +80°C	-40°C to +80°C
Physical Specifications (L x H x D)		
Hood Version	2.5 in x 1.1 in x 1.5 in (3.7 cm x 2.4 cm x 6.5 cm)	4.2 in x 0.94 in x 1.7 in (10.8 cm x 2.4 cm x 4.3 cm)
Surface Mount	N/A	5.0 in x 1.1 in x 0.68 in (12.7 cm x 2.8 cm x 1.7 cm)
Ship Weight		
	0.5 lbs (0.23 kg)	0.75 lbs (0.34 kg)

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Hood/grille mount 6-LED

Hood/grille mount 3-LED

MicroPulse™ Flashing/Marker | Exterior Mount/Perimeter Lights

Features

- Superior warning with high-powered LEDs
- Low-profile for discreet mounting
- FVMSS marker light and warning light in one solution
- Three-year LED warranty



MPS600M-RA

Approvals

MicroPulse 6

- SAE J845, Class 2 (warning side)

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Applications

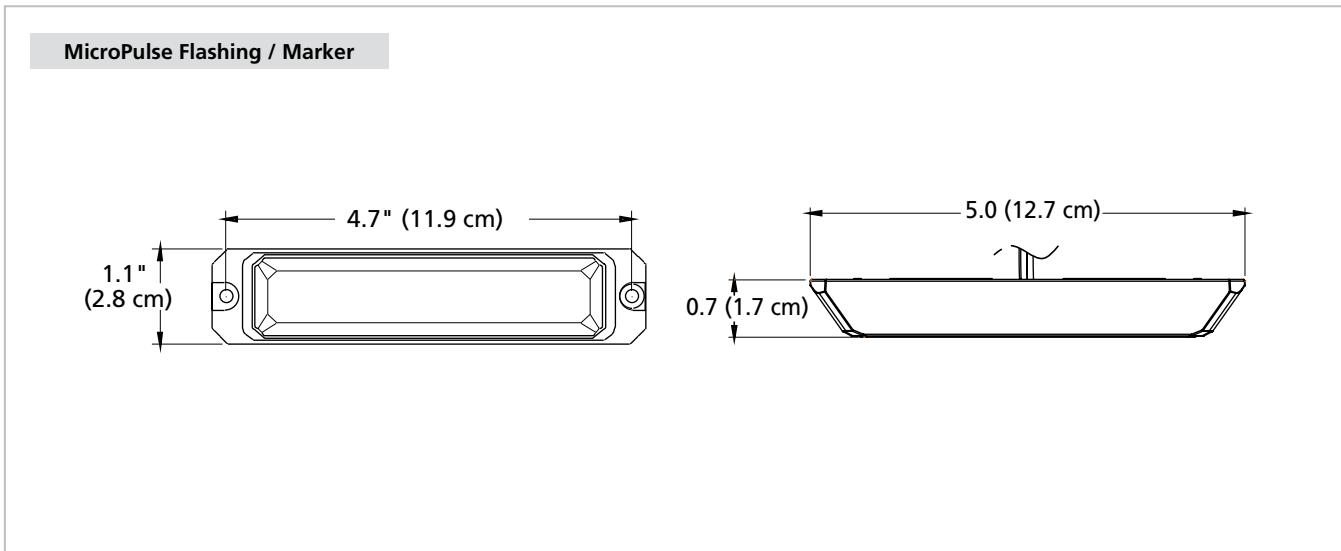
- Construction
- Municipal
- Tow & Recovery
- Utility

CLASS 2	
Model	Description
MPS600M-RA	6-LED lighthead, (3) LED Red marker light, (3) LED Amber flashing
MPS600M-AA	6-LED lighthead, (3) LED Amber marker light, (3) LED Amber flashing



FEDERAL SIGNAL

MicroPulse™ Flashing/Marker | Exterior Mount/Perimeter Lights



Specifications	
Voltage	12/24 VDC
Current Draw	0.79 Amp @ 12 VDC
	0.45 Amp @ 24 VDC
Operating Temp.	-40° C to +80° C
Physical Specifications (L x H x D)	
	5.0 in x 1.1 in x 0.70 in (12.7 cm x 2.8 cm x 1.7 cm)
Ship Weight	
	0.75 lbs (0.34 kg)

MicroPulse™ Brackets

MicroPulse 12 and MicroPulse Ultra 12 Brackets



MPSM12-LB

Generic L-bracket for (1) MPS1200



MPSM12-DS

Generic L-bracket for (2) MPS1200, stacked



MPSM12-DL

Generic L-bracket for (2) MPS1200, side-by-side



MPSM12-SB

Swivel mount bracket for (1) MPS1200



MPSM12U-SPACRKT

Kit of four 5-degree rubber mounting wedges for use with MPS1200U lights

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MicroPulse 6 and MicroPulse Ultra 6 Brackets



MPSM6-LB

Generic L-Bracket for (1) MPS600 or MPS600U



MPSM6-DS

Generic L-Bracket for (2) MPS600, stacked or (2) MPS600U stacked, cannot be used with MPS600U bezel



MPSM6-DL

Generic L-Bracket for (2) MPS600, side-by-side or (2) MPS600U side-by-side, cannot be used with MPS600U bezel



MPSM6-SB

Swivel Mount Bracket for (1) MPS600 or (1) MPS600U



MPSM6-BOOT

Rubber boot mount for (1) MPS600



MPSM6-BOOTKIT

(2) Rubber boot mounts, (2) mounting plates for (2) MPS600



MPSM6-SPACRKT

Kit of four 5-degree rubber mounting wedges for use with MPS600 lights



MPSM6U-SPACRKT

Kit of four 5-degree rubber mounting wedges for use with MPS600U lights



FEDERAL SIGNAL

MicroPulse™ Brackets

MicroPulse 3 and MicroPulse Ultra 3 Brackets



QuadraFlare® 4x3 | Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- Fresnel lens with enhanced design provides outstanding performance to meet various industry lighting specifications
- Offered with built-in flasher featuring a variety of selectable patterns
- Single model offers both "split" and "solid" flashing capabilities
- LEDs offered in Amber, Blue, Green, Red and White
- Optional chrome-plated trim bezel available
- Five-year LED warranty

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Approvals

- SAE J845, J595, Class 1
- CAC Title 13

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



QL43-AA
(Shown with Chrome Bezel, option)

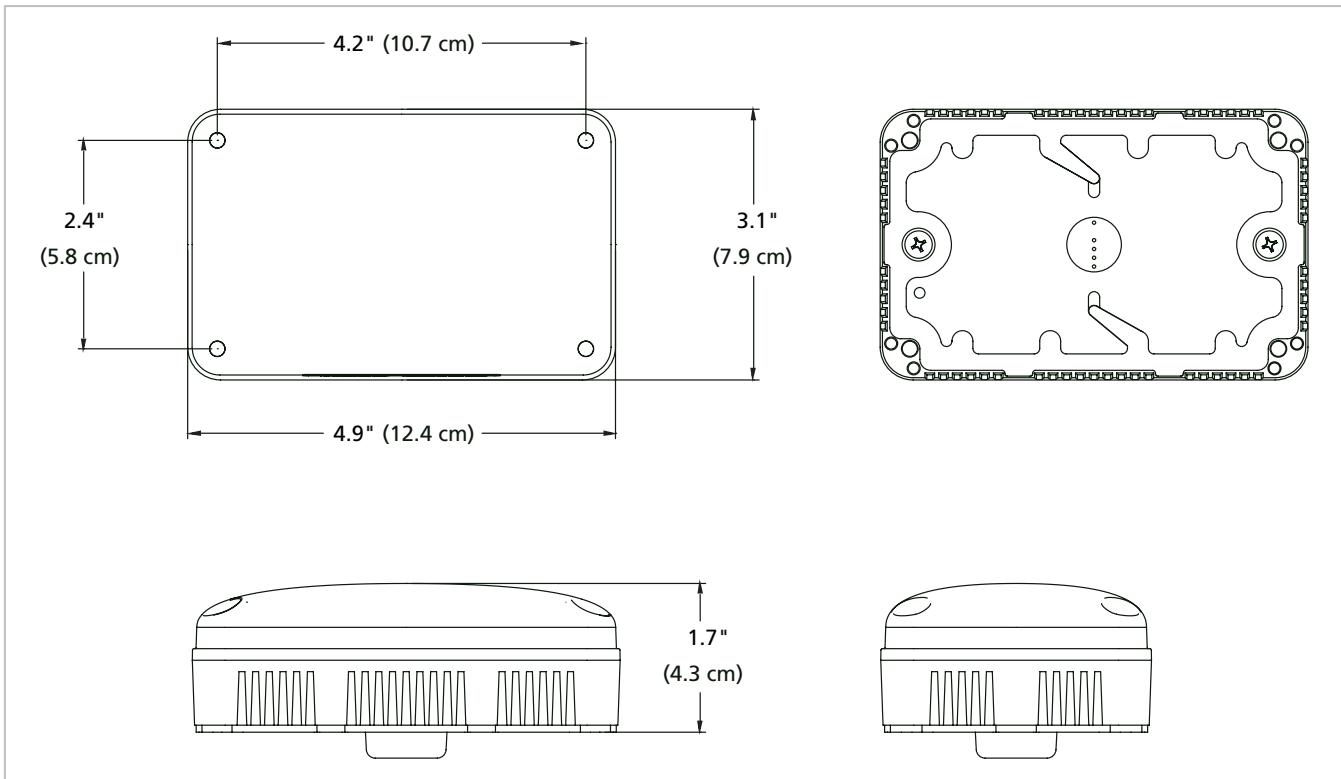
CLASS 1 **CAC Title 13** 

Model	Description
Warning Lights with color lens and built-in flasher	
QL43-(Color)	-AA(Amber); -BB(Blue); -RR(Red); -GG(Green)
Split-LED warning lights with clear lens and built-in flasher	
QL43C-(Color/Color)	-A(Amber); -B(Blue); -G(Green); -R(Red); -W(White)
Back-up, brake/tail/turn, back-up, and turn lights	
QL43-BACKUP	Back-up light, White LEDs, Clear lens
QL43-BTT	Brake/Tail/Turn, Red LEDs, Red lens
QL43-TURN	Turn light, Amber LEDs, Amber lens
Accessory	
QL43MC	Trim bezel, Chrome with gasket



FEDERAL SIGNAL

QuadraFlare® 4x3 | Exterior Mount/Perimeter Lights



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Warning Lights					
Model #	LED Color	Lens Color	LED Count	Internal Flasher	Dimming
4X3 Quadraflares					
QL43-(Color)	Amber, Blue, Green, White	Amber, Blue, Clear, Green	12	YES	YES
QL43-R	Red	Red	16	YES	YES
QL43C-(Color)(Color)	Amber, Blue, Green, Red, White	Clear	12	YES	YES
QL43C-RR	Red	Clear	16	YES	YES

Specifications					
Model #	Current Draw	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
All QL43 Models	Max 2.0 Amps	12 VDC	-30°C to 80°C	3.1 in x 4.9 in x 1.7 in (7.9 cm x 12.4 cm x 4.3 cm)	1.0 lbs (0.5kg)

QuadraFlare® 4x3 DOT | Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- Fresnel lens with enhanced design provides outstanding performance to meet various industry lighting specifications
- Brake/tail/turn and back-up light models also available
- DOT lens for use in back-end mounting boxes
- LEDs offered in Amber, Blue, Clear, Green or Red
- QL43D-(color) require flasher for operation
- All QL43D models come with weather tight connector
- Five-year LED warranty

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CLASS 1

CAC Title 13



Model	Description
DOT lens (No built-in flasher)	
QL43D-(Color)	-A(Amber); -B(Blue); -G(Green); -R(Red); -W(White)
DOT brake/tail/turn and Back-up lights	
QL43D-BTT	Brake/tail/turn, Red LED, Red lens
QL43D-BACKUP	Back-up light, White LED, Clear lens

Approvals

- SAE J845, J595, Class 1
- CAC Title 13

Applications

- Municipal

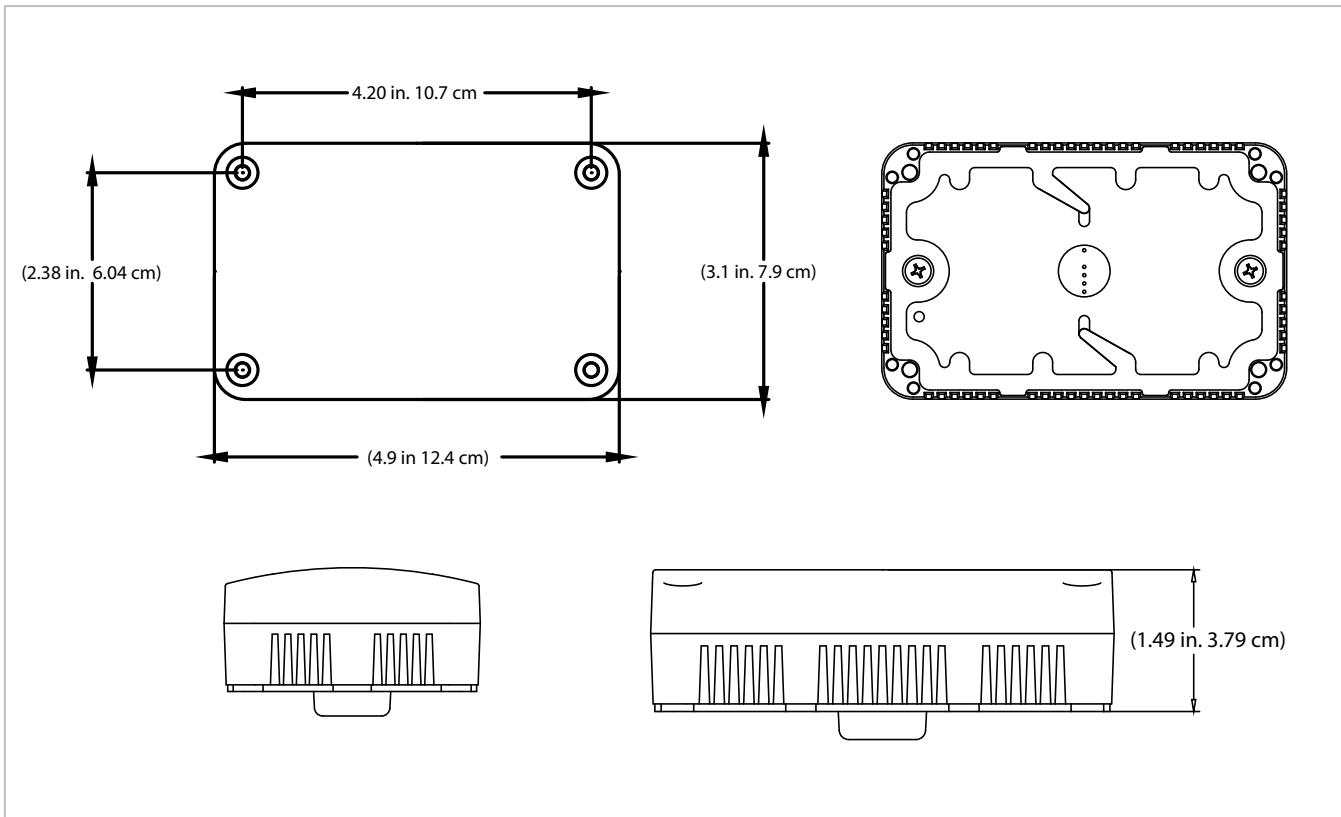


Shown with mounting box,
model 304303SSG (sold separately, see [page 142](#))



FEDERAL SIGNAL

QuadraFlare® 4x3 DOT | Exterior Mount/Perimeter Lights



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Warning Lights					
Model #	LED Color	Lens Color	LED Count	Internal Flasher	Split LED
QL43D-(Color)	Amber, Blue, Green, White	Amber, Blue, Clear, Green	12	Flasher Required	With DOT Flasher
QL43D-R	Red	Red	16	Flasher Required	With DOT Flasher

Specifications					
Model #	Current Draw*	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
QL43D-(Color)	Max 2.0 Amps	12 VDC	-30° C to 80° C	3.1 in x 4.9 in x 1.5 in (7.9 cm x 12.4 cm x 3.8 cm)	1.0 lbs (0.5kg)

QuadraFlare® 7x3 | Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- Available with built-in flasher featuring a variety of OEM friendly selectable patterns
- LEDs offered in Amber, Blue, Green, Red and White
- Optional chrome-plated trim bezel available
- Five-year LED warranty

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Approvals

- SAE J595, Class 1
- CAC Title 13

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



QL73-A
(Shown with Chrome Bezel, option)

CLASS 1

CAC Title 13

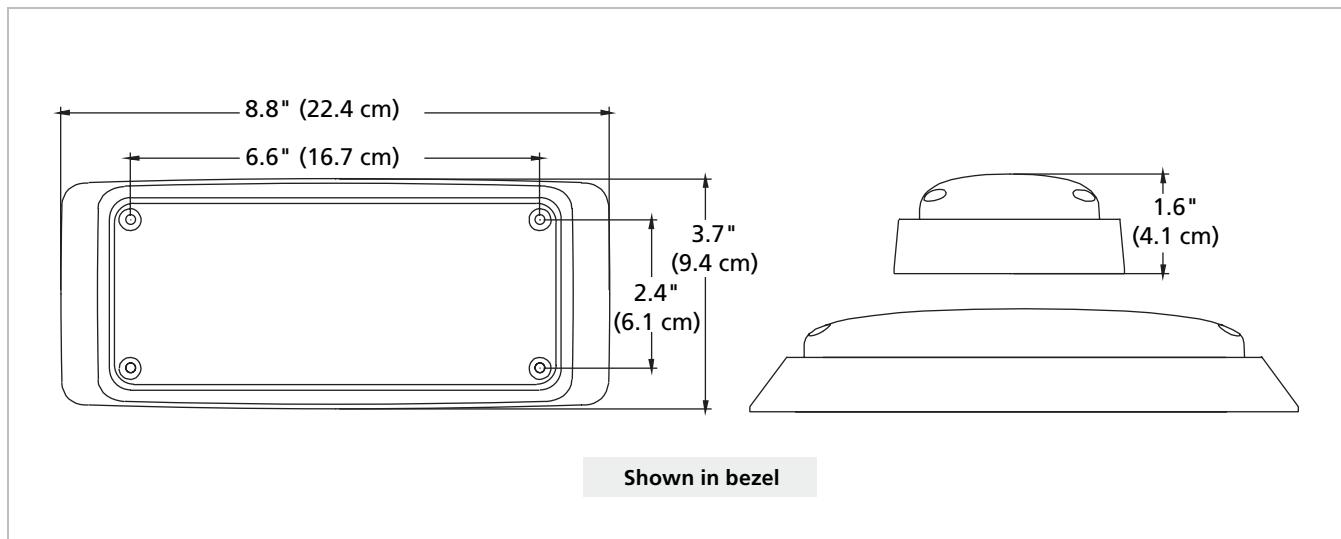
SOLARIS

Model	Description
Color lens and built-in flasher	
QL73XF-(color)	-A(Amber); -B(Blue); -R(Red)
QL73XF-G	Green
Clear lens and built-in flasher	
QL73XFC-(color)	-A(Amber); -B(Blue); -R(Red); -G(Green)
QL73XFC-C	Clear
Split-LED warning lights with color lens and built-in flasher	
QL73SF-AA	Amber/Amber
QL73SF-BB	Blue/Blue
QL73SF-RR	Red/Red
QL73SF-GG	Green/Green
Split-LED with Clear lens and built-in flasher	
QL73SFC-AC	Amber/Clear
QL73SFC-BA	Blue/Amber
QL73SFC-RA	Red/Amber
QL73SFC-RB	Red/Blue
QL73SFC-RC	Red/Clear
QL73SFC-RG	Red/Green
QL73SFC-RR	Red/Red
QL73SFC-AA	Amber/Amber
QL73SFC-BB	Blue/Blue
QL73SFC-BC	Blue/Clear
QL73SFC-CC	Clear/Clear
QL73SFC-GG	Green/Green
Accessory	
QL73MC	7x3 Trim bezel, Chrome with gasket
Common Replacement Parts	
Z8012078A	7x3 Lens, fluted, Red; -02 (Clear), -01 (Amber), -03 (Blue)
Z8012110A	Gasket, 7x3 base/lens, molded



FEDERAL SIGNAL

QuadraFlare® 7x3 | Exterior Mount/Perimeter Lights



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Warning Lights						
Model #	LED Color	Lens Color	LED Count	Internal Flasher	Split LED	Dimming
7X3 Quadraflares						
QL73XF-(color)	Amber, Blue, Red, White, Green	Amber, Blue, Red, Clear, Green	8	YES	NO	YES
QL73XFC-(color)	Amber, Blue, Red, White, Green	Clear	8	YES	NO	YES
QL73SF-(color)(color)*	Amber, Blue, Red, Green	Amber, Blue, Red, Clear, Green	8	YES	YES	YES
QL73SFC-(color)(color)	Amber, Blue, Red, White, Green	Clear	8	YES	YES	YES

* Single color split LEDs. Example: red/red LEDs, red lens.

Specifications					
	Current Draw*	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
All QL73 Models	Max 2.0 Amps	12.8 VDC	-40° C - +65° C	7.4 in x 3.7 in x 1.6 in (18.7 cm x 9.4 cm x 4.1 cm) (without bezel)	1.0 lbs (0.5 kg)

QuadraFlare® 6x4

Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- Offered with built-in flasher featuring a variety of selectable patterns
- Stop/tail/turn, turn Arrow and Back-up light models also available
- LEDs offered in Amber, Blue, Green, Red and White
- Optional chrome-plated trim bezel available
- Five-year LED warranty

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Approvals

- SAE J595, Class 1
- CAC Title 13

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



QL64-AA

(Shown with Chrome Bezel, option)

CLASS 1

CAC Title 13

SOLARIS

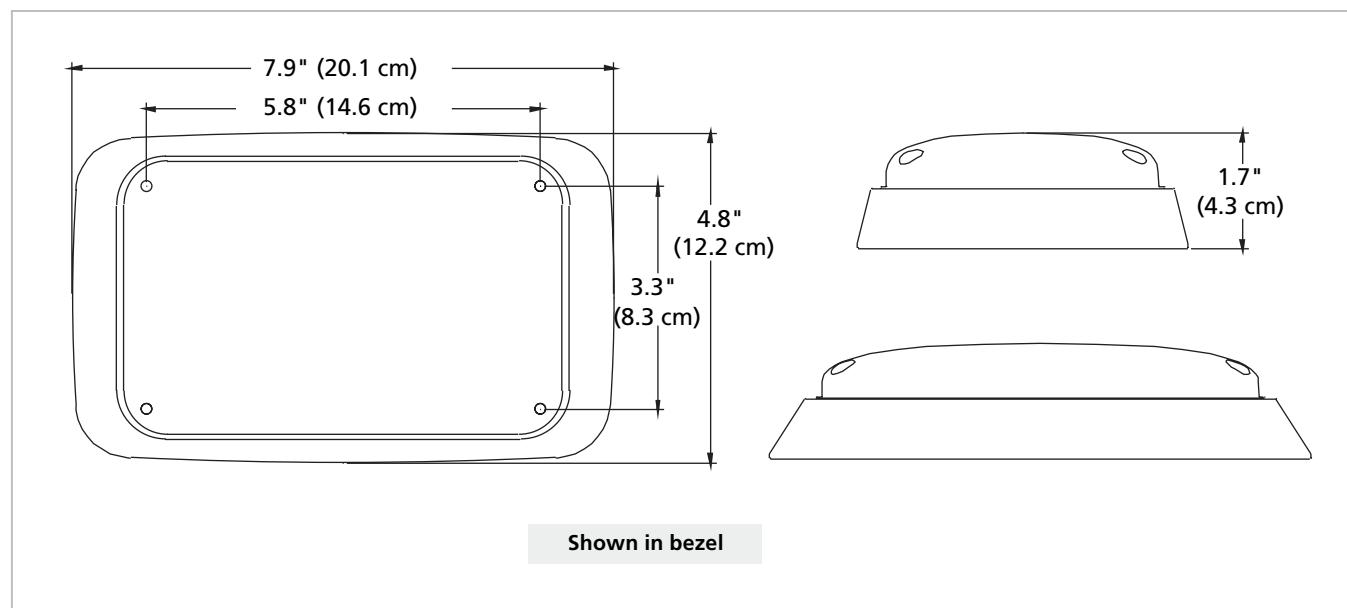
Model	Description
Warning lights with color lens and built-in flasher	
QL64-(Color/Color)	-AA(Amber); -BB(Blue); -GG(Green); -RR(Red)
Warning lights with Clear lens and built-in flasher	
QL64C-(Color/Color)	-A(Amber); -B(Blue); -G(Green); -R(Red); -W(White)
Brake/tail/turn and back-up lights	
QL64-BTT	Brake/tail/turn, Red LED, Red lens
QL64-ARROW	Turn arrow, Amber LED, Amber lens
QL64-TURN	Turn light, Amber LED, Amber lens
QL64-BACKUP	Back-up light, White LED, Clear lens
3-Position Vertical Casting	
QL64Z3V-LEFT	Installed QL64Z-BTT, QL64Z-ARROW (left facing), QL64Z-BACKUP
QL64Z3V-RIGHT	Installed QL64Z-BTT, QL64Z-ARROW (right facing), QL64Z-BACKUP
QL64Z3V-LED	Installed QL64Z-BTT, QL64Z-TURN, QL64Z-BACKUP
QL64Z3V	Casting with gasket
3-Position Vertical Casting	
QL64Z3H-LEFT	Installed QL64Z-BTT, QL64Z-ARROW (left facing), QL64Z-BACKUP
QL64Z3H-RIGHT	Installed QL64Z-BTT, QL64Z-ARROW (right facing), QL64Z-BACKUP
QL64Z3H-LEDFLEFT	Installed QL64Z-BTT, QL64Z-TURN, QL64Z-BACKUP
QL64Z3H-LEDRIGHT	Installed QL64Z-BTT, QL64Z-TURN, QL64Z-BACKUP
QL64Z3H	Casting with gasket
4-Position Vertical Casting	
QL64Z4V-LEFT	Installed QL64Z-BTT, QL64Z-ARROW (left facing), QL64Z-BACKUP, QL64XF-R
QL64Z4V-RIGHT	Installed QL64Z-BTT, QL64Z-ARROW (right facing), QL64Z-BACKUP, QL64XF-Rs
QL64Z4V	Casting with gasket
Accessories and Kits	
QL64MHL	6x4 Headlight mount kit
QL64MC	6x4 Trim bezel, Chrome with gasket
Common Replacement Parts	
Z8012109A	Gasket, 6x4 base/lens molded
Z8012013B-01	Lens, fluted, 6x4, Amber; -02(Clear)
Z8012016A	Bezel to surface gasket
Z7065073A	Screw, grommet



FEDERAL SIGNAL

QuadraFlare® 6x4

Exterior Mount/Perimeter Lights



Model	LED Color	Lens Color	LED Count	Internal Flasher	Split LED	Dimming
6x4 QuadraFlares						
QL64XF-(color)	Amber, Blue, Red, White, Green	Amber, Blue, Red, Clear, Green	10	YES	N/A	YES
QL64XFC-(color)	Amber, Blue, Red, White, Green	Clear	10	YES	N/A	YES
QL64SFC-(color)(color)	Amber, Blue, Red, White, Green	Clear	10	YES	YES	YES

* Single color split LEDs. Example: red/red LEDs, red lens.

Specifications					
	Current Draw*	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
All QL64 Models	Max 2.0 Amps	12.8 VDC	-40°C+65°C	4.2 in x 6.6 in x 1.5 in (10.7 cm x 16.7 cm x 3.8 cm) (without bezel)	1.0 lb (0.5kg)
QL64Z3V-LED	Max 2.5 Amps	12.8 VDC	-40°C+65°C	15.1 in x 7.4 in x 1.6 in (38.4 cm x 18.8 cm x 4.1 cm)	11.0 lbs (5.0 kg)
QL64Z3V-Left/Right	Max 2.5 Amps	12.8 VDC	-40°C+65°C	15.1 in x 7.4 in x 1.6 in (38.4 cm x 18.8 cm x 1.6 cm)	11.0 lbs (5.0 kg)
QL643H-LED	Max 2.5 Amps	12.8 VDC	-40°C+65°C	5.0 in x 22.3 in x 1.6 in (12.7 cm x 56.6 cm x 4.1 cm)	11.0 lbs (5.0 kg)
QL643H-Left/Right	Max 2.5 Amps	12.8 VDC	-40°C+65°C	5.0 in x 22.3 in x 1.6 in (12.7 cm x 56.6 cm x 4.1 cm)	11.0 lbs (5.0 kg)
QL64Z4V-LED	Max 4.0 Amps	12.8 VDC	-40°C+65°C	19.6 in x 7.4 in x 1.6 in (49.8 cm x 18.8 cm x 4.1 cm)	12.5 lbs (5.7 kg)
QL64Z4V-Left/Right	Max 4.0 Amps	12.8 VDC	-40°C+65°C	19.6 in x 7.4 in x 1.6 in (49.8 cm x 18.8 cm x 4.1 cm)	12.5 lbs (5.7 kg)

QuadraFlare® 9x7

Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- Features unique Quad-X patterns
- Available with built-in flasher featuring a variety of OEM friendly selectable patterns
- LEDs offered in Amber, Blue, Green, Red and White
- Optional chrome-plated trim bezel available
- Five-year LED warranty

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Approvals

- SAE J595, Class 1
- CAC Title 13

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



QL97XF-A
(Shown with Chrome Bezel, option)

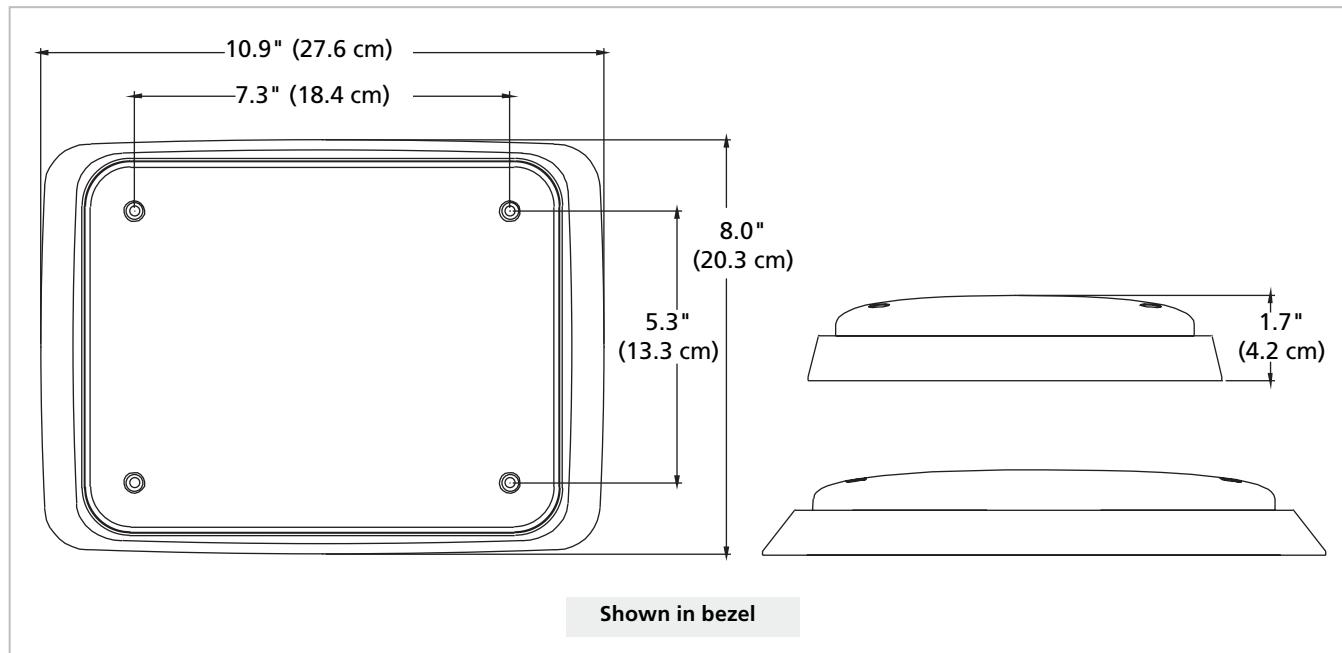
CLASS 1 **CAC Title 13** 

Model	Description
QuadraFlare, warning lights with color lens and built-in flasher	
QL97XF-(color)	-A(Amber); -B(Blue); -G(Green); -R(Red)
QuadraFlare, warning lights with Clear lens and built-in flasher	
QL97XFC-(color)	-A(Amber); -B(Blue); -G(Green); -R(Red)
QL97XFC-C	White
Split-LED warning lights with color lens and built-in flasher	
QL97SF-AA	Amber/Amber
QL97SF-RR	Red/Red
QL97SF-GG	Green/Green
Split-LED warning lights with Clear lens and built-in flasher	
QL97SFC-AA	Amber/Amber
QL97SFC-AC	Amber/Clear
QL97SFC-BB	Blue/Blue
QL97SFC-CC	White/White
QL97SFC-RA	Red/Amber
QL97SFC-RB	Red/Blue
QL97SFC-RC	Red/White
QL97SFC-RR	Red/Red
QL97SFC-BA	Blue/Amber
QL97SFC-BC	Blue/Clear
Accessory	
QL97MC	Trim bezel, Chrome with gasket
Common Replacement Parts	
Z8012062C	9x7 Lens, fluted, Red; -01 (Amber); -02 (Clear); -03 (Blue)
Z8012111A	Gasket, 9x7 base/lens, molded



FEDERAL SIGNAL

QuadraFlare® 9x7 | Exterior Mount/Perimeter Lights



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Warning Lights

Model	LED Color	Lens Color	LED Count	Internal Flasher	Split LED	Dimming
9x7 Quadraflares						
QL97XF-(color)	Amber, Blue, Red, White, Green	Amber, Blue, Red, Clear, Green	16	YES	NO	YES
QL97XFC-(color)	Amber, Blue, Red, White, Green	Clear	16	YES	NO	YES
QL97SF-(color)(color)*	Amber, Blue, Red, Green	Amber, Blue, Red, Clear, Green	16	YES	YES	YES
QL97SFC-(color)(color)	Amber, Blue, Red, White, Green	Clear	16	NO	YES	YES

* Single color split LEDs. Example: Red/Red LEDs, Red lens.

Specifications

	Current Draw*	Input Voltage	Operating Temperature	Physical Specifications H x W x L	Ship Weight
All QL97 models	Max 4.0 Amps	12.8 VDC	-40° C - +65° C	7.3 in x 9.2 in x 1.7 in (18.4 cm x 23.4 cm x 4.2 cm) (without bezel)	2.0 lbs (0.9 kg)

Latitude™ Warning Light | Exterior Mount/Perimeter Lights

Features

- Solaris® LED reflector technology
- ROC (Reliable Onboard Circuitry™) technology
- Available in 4-, 6- and 8-head models
- Three LEDs per position
- Both interior and exterior mounting brackets are available; compatible with Federal Signal's SignalMaster brackets
- Innovative co-extrusion, polycarbonate housing provides moisture resistance
- (10) selectable flash patterns
- Five-year LED warranty

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Approvals

- SAE J595 Class 1
- CAC Title 13 Class B

Applications

- Construction
- Street Sweepers
- Tow & Recovery
- Utility
- Waste Hauling



SL8F-A

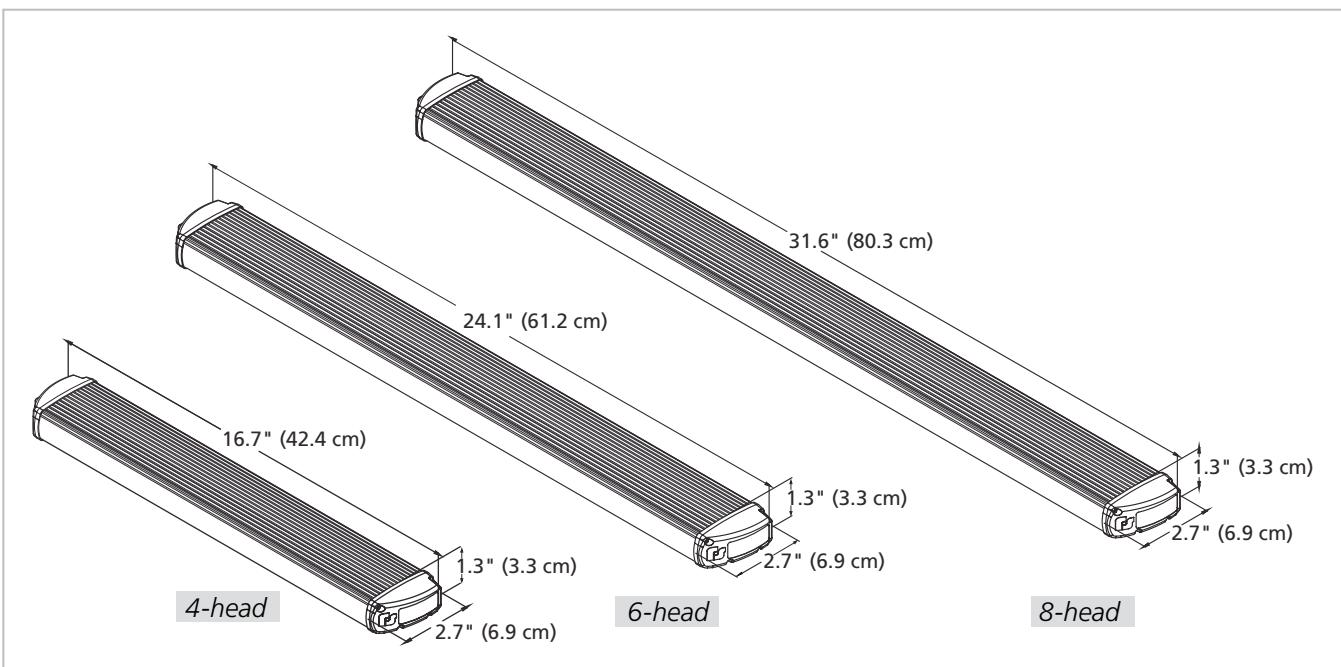
CAC Title 13 **CLASS 1** **ROC** RELIABLE ONBOARD CIRCUITRY **SOLARIS**

Model	Description
4-head flashing model	
SL4F-A	(4) Amber LED reflectors, A-A-A-A
SL4F-AAWW	(2) Amber LED reflectors, (2) White LED reflectors, A-A-W-W
SL4F-WWAA	(2) White LED reflectors, (2) Amber LED reflectors, W-W-A-A
6-head flashing model	
SL6F-A	(6) Amber LED reflectors, A-A-A-A-A-A
SL6F-AW	(3) Amber LED reflectors, (3) White LED reflectors, A-A-A-W-W-W
8-head flashing model	
SL8F-A	(8) Amber LED reflectors, A-A-A-A-A-A-A-A
SL8F-AW	(4) Amber LED reflectors, (4) White LED reflectors, A-A-A-A-W-W-W-W
Accessories and Kits	
320310	Kit, bracket, flush mount system
320320	Kit, bracket, double "L" mount
320330	Kit, bracket, system mount
320340	Kit, bracket, universal vehicle mount
320350	Kit, bracket, foot adapter
SLB-001	Long L-bracket
SLB-002	Short L-bracket
SLB-4SHRD	4-head Shroud
SLB-6SHRD	6-head Shroud
SLB-8SHRD	8-head Shroud



FEDERAL SIGNAL

Latitude™ Warning Light | Exterior Mount/Perimeter Lights



	4-Head	6-Head	8-Head
Specifications			
Voltage	12.8 VDC		
Amp Draw	2 Amps	4 Amps	6 Amps
Operating Temp	-22° F to +149° F (-30° C to +65° C)		
Physical Specifications			
Height	1.3 in (3.3 cm)	1.3 in (3.3 cm)	1.3 in (3.3 cm)
Length	16.7 in (42.4 cm)	24.1 in (61.2 cm)	31.6 in (80.3 cm)
Width	2.7 in (6.9 cm)	2.7 in (6.9 cm)	2.7 in (6.9 cm)
Ship Weight			
	3.1 lbs (1.4 kg)	3.8 lbs (1.7 kg)	4.0 lbs (1.8 kg)



320310



320320



320330



320340



320350



SLB-001



SLB-002

416500 Corner LED

Exterior Mount/Perimeter Lights

Features

- Built-in (19) selectable flash patterns
- Multiple heads can be synchronized and can flash simultaneously or alternately
- Maintenance free
- Low-profile design
- Suitable for external or internal use
- Three-year LED warranty

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Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



Model	Description
416500-A	Amber LED light head with in-line flasher
416500-B	Blue LED light head with in-line flasher
416500-C	Clear LED light head with in-line flasher
416500-R	Red LED light head with in-line flasher

Specifications			
Physical Dimensions	Light head	Flasher	Mounting flange
System Voltage		12/24 VDC	
Average Current		1.2 Amps @ 12.8 VDC / 0.7 Amps @ 24 VDC	
Average Power		15 Watts	
Maximum Current		2.4 Amps @ 12.8 VDC / 1.23 Amps @ 24 VDC	
Operating Temperature		-22° F to 149° F (-40° C to 80° C)	
LED		6 LEDs per head	
Length	N/A	5.43 in (13.79 cm)	2.23 in (5.66 cm)
Width	Base- 2.36 in (5.99 cm) Bulb - 1.48 in (3.76 cm)	0.9 in (2.29 cm)	1.88 in (1.78 cm)
Height	Base & Bulb - 0.67 in (1.7 cm) Base - 0.49 in (1.24 cm) Bulb - 0.67 in (1.7 cm)	0.5 in (1.27 cm)	0.49 in (1.24 cm)
Ship Weight		1.0 lb (0.45 kg)	



FEDERAL SIGNAL

416200 In-Line Corner LED Systems

Exterior Mount/Perimeter Lights

Features

- Built-in (19) selectable flash patterns
- Multiple units can be synchronized and can flash simultaneously or alternately
- Maintenance free
- Low-profile design
- Three-year LED warranty



Applications

- Construction
- Municipal
- Tow & Recovery
- Utility

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Model	Description
416200-22	Amber/Amber, (2) LED light heads with in-line flasher
416200-32	Amber/Blue, (2) LED light heads with in-line flasher
416200-33	Blue/Blue, (2) LED light heads with in-line flasher
416200-43	Red/Blue, (2) LED light heads with in-line flasher
416200-44	Red/Red, (2) LED light heads with in-line flasher
416200-55	Clear/Clear, (2) LED light heads with in-line flasher

Common Replacement Parts	
416200-EXT-LED	Kit, Cable, 4-ft extension
416201-02	LED light head, Amber
416201-03	LED light head, Blue
416201-04	LED light head, Red
416201-05	LED light head, Clear
416205	Flasher with cable, 2-channel

Specifications

System Voltage	12/24 VDC	
Average Current	1.2 Amps @ 12.8 VDC / 0.7 Amps @ 24 VDC	
Average Power	15 Watts	
Maximum Current	2.4 Amps @ 12.8 VDC / 1.23 Amps @ 24 VDC	
Operating Temperature	-22° F to 149° F (-40° C to 80° C)	
LED	3W LED - 9 per head (total 18 LEDs in 2-head system)	
Physical Dimensions	Light head	Flasher
Length	N/A	5.6" (14.2 cm)
Width	Base-1.5" (3.9 cm) Bulb-1.0" (2.5 cm)	1.0" (2.5 cm)
Height	Base & Bulb-1.8" (4.6 cm) Base-0.3" (0.1 cm) Bulb-0.91" (2.3 cm)	0.6" (1.5 cm)
Ship Weight		
Complete System Kit	1 lb (.45 kg)	

416400/416410 Corner LED | Exterior Mount/Perimeter Lights

Features

- Single-color and split-color models
- 6-LEDs per light head
- Includes black bezel for mounting to exterior flat surfaces
- (39) selectable flash patterns
- Up to four lights can be synchronized for simultaneous or alternating flashing
- Five-year LED warranty

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Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



Model	Description
Single color models, surface mount bezel included for external mounting	
416410-A	Single corner LED light head with in-line flasher, Amber
416410-B	Single corner LED light head with in-line flasher, Blue
416410-R	Single corner LED light head with in-line flasher, Red
416410-W	Single corner LED light head with in-line flasher, White
Split-color models, surface mount bezel included for external mounting	
416400-RB	Single corner LED light head with in-line flasher, Red/Blue
416400-RW	Single corner LED light head with in-line flasher, Red/White
416400-BW	Single corner LED light head with in-line flasher, Blue/White

Specifications	
Input Voltage	10/16 VDC
Operating Temperature	-40° C to +65° C
Current Draw	Less than 1 Amp at 12.8 VDC (Flash pattern dependent)
Physical Specifications Lighthead	
Lighthead (D x L)	1.5 in x 0.9 in (3.81 cm x 2.28 cm)
Bezel (L x H x D)	2.2 in x 1.65 in x 0.63 in (5.58 cm x 4.19 cm x 1.60 cm)



FEDERAL SIGNAL

416900/416910 Corner LED | Exterior Mount/Perimeter Lights

Features

- Built-in (19) selectable flash patterns
- Two modes of operation
- Two different mounting options
- Bezel, gaskets, and screws included
- Dual color models available
- (12) high-powered LEDs
- Multi-voltage 12/24VDC
- Weatherproof connector with detachable flasher
- Units can synchronize or alternate
- Five-year LED warranty

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



Model	Description
Single color models, surface mount bezel included for external mounting	
416910-A	Single color corner LED light head with in-line flasher, Amber
416910-B	Single color corner LED light head with in-line flasher, Blue
416910-R	Single color corner LED light head with in-line flasher, Red
416910-W	Single color corner LED light head with in-line flasher, White
Dual-color models, surface mount bezel included for external mounting	
416900-BA	Dual-color corner LED light head with in-line flasher, Blue/Amber
416900-BW	Dual-color corner LED light head with in-line flasher, Blue/White
416900-RB	Dual-color corner LED light head with in-line flasher, Red/Blue
416900-RA	Dual-color corner LED light head with in-line flasher, Red/Amber
416900-RW	Dual-color corner LED light head with in-line flasher, Red/White
416900-AW	Dual-color corner LED light head with in-line flasher, Amber/White
Accessories	
416900-BZC	Chrome Bezel for 416900 Series
416900-BZW	White Bezel for 416900 Series



416910-A



416910-W

Specifications	
Input Voltage	12/24 VDC
Operating Temperature	-30° C to +80° C
Current Draw	Less than 1 Amp at 12.8 VDC (Flash pattern dependent)
Physical Specifications Lighthead	
Diameter	1.5 in (3.81 cm)
Height	0.9 (2.3 cm)
Physical Specifications Bezel	
Diameter	1.85 in (4.7 cm)
Height	0.47 in (1.19 cm)

SignalTech® LED Lights

Exterior Mount/Perimeter Lights

Features

- Sealed wiring harness
- Random, alternating or synchronous flash patterns
- Three-year warranty

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Approvals

- S/T/T and back-up/turn: FMVSS 108 compliant, SAE J1398, and SAE J593
- Flashing: Class 1 and CAC Title 13 approved
- STT/Tail/Back-up/Marker lights all meet ECE and DOT requirements

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



607102-02SB

607106-02SB

CLASS 1 CAC Title 13

Model	Description
	Random Flashing LED Light Kits, 12/24 VDC, 71 quad FPM Kits includes LED light, rubber mounting grommet, sealed wire harness 4" Round LED Light Kits
607123-02SB	PAR 36, Amber; -03SB(Blue); -04SB(Red); -05SB(Clear)
	6" Oval LED Light Kit
607101-02SB	Amber; -03SB(Blue); -04SB(Red)
	S/T/T and Back-up Lights (kits includes LED light, rubber mounting grommet, sealed wire harness)
	4" Round LED Light Kits
607100-04SB	LED Stop/Tail/Turn light, 12/24 VDC, Red
607102-02SB	LED turn light, 12/24 VDC, Amber
607124-05SB	LED back-up light, 12/24 VDC, White
607124-05SB-DEU	LED back-up light, 12/24 VDC, White with deutsch
	6" Oval LED Light Kits
607105-04SB	LED Stop/Tail/Turn light, 12/24 VDC, Red
607106-02SB	LED turn light, 12/24 VDC, Amber
607125-05SB	LED back-up light, 12/24 VDC, White
	Side Marker/Clearance Lights, 12VDC
607120-02SB	2.5" round, Amber; -04SB(Red)
	Accessories and Kits
605501-02SB	6" oval flashing LED light head, Amber; -04SB(Red); -03SB(Blue); -05SB(Clear)
605520SB	Kit, rubber mounting grommet, 4" round
605510SSG	Kit, rubber mounting grommet, 6" oval
605523-02SB	4" round flashing LED light head, Amber; -03(Blue); -04(Red)
605500SSG	Sealed wire harness for flashing LED light heads
607109SB	Sealed wire harness for S/T/T and Turn LED light heads
605530SB	2.5" round mounting grommet



FEDERAL SIGNAL

SignalTech® LED Lights | Exterior Mount/Perimeter Lights

Specifications	
Voltage	12/24 VDC (all units operate at 9 to 32 VDC)
	Marker Lights: 12 VDC only
Operating Temp	-30° C to + 65° C
	Amber: 0.27 Amp (average)
	Red: 0.27 Amp (average)
Amp Draw Flashing Models @ 12.8V	Blue: 0.27 Amp (average)
	Red: Turn 0.27 Amp (average); Tail 0.27 Amp (average)
	Amber: Turn 0.25 Amp (average); Tail 0.22 Amp (average)
Back-Up Models @ 12.8V	Clear: 0.25 Amp (average)
Physical Specifications	
2.5" Round (Dia. x D.)	2.5 in x 0.78 in (6.35 cm x 0.1981 cm)
4" Round (Dia. x D.)	4.3 in x 1.75 in (109 cm x 4.45 cm)
6.5" Oval (L. x D. x H.)	6.4 in x 1.9 in x 2.36 in (16.35 cm x 4.8 cm x 6.0 cm)
Ship Weight	
2.5" Round	0.20 lbs (0.9 kg)
4" Round	0.47 lbs (0.17 kg)
6" Oval	0.48 lbs (0.18 kg)
4" Tractor Lamp	1.50 lbs (0.68 kg)

Littlite® | Interior Mount Warning Lights

Features

- Durable, high quality lighting for a vehicle's console
- Flexible gooseneck allows easy movement
- Clear bright light with either rheostat or on/off switch controls
- LED or halogen models available
- LED units offer choice of Red or White light from toggle switch selector
- Available in 12" and 18" models
- Two-year warranty on LED models

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Model	Description
LED Littlite, Neck extends from end of chassis, vertical mount	
LF12ES-LED	12", On/Off switch control
LF18ES-LED	18", On/Off switch control
Halogen Littlite, Neck extends from top of chassis, horizontal mount	
LF12TR	12" Rheostat control
LF18TR	18", Rheostat control
Common Replacement Parts	
Z8550250A	Lamp, bi-pin
Z8550251A	Filter, Red; -01(Clear); -02(Green)

Littlite is a trademark of CAE, Inc.



FEDERAL SIGNAL



LittLite is available in 12" and 18" models

Model			Gooseneck extends from:		Lead extends from:		rheostat control	on/off switch
	12"	18"	end of chassis	top of chassis	bottom of chassis	end of chassis		
LF12ES-LED	•		•			•		•
LF18ES-LED		•	•			•		•
LF12TR	•			•		•	•	
LF18TR		•		•		•	•	
LF12TRB	•			•	•		•	

Specifications	
Operating Voltage	12.8 VDC
Lamp Type	Bi-pin halogen, 5 W
Amp Draw	0.5 Amp nominal (halogen) 0.1 Amp nominal (LED)
Physical Dimensions	
Chassis (LxWxH)	3.0 in x 1.0 in x 0.7 in (7.62 cm x 2.54 cm x 1.78 cm)
Gooseneck	12 in or 18 in (30.5 cm or 45.7 cm)
Ship Weight	
	1.0 lbs (0.5 kg)

Viper® S2 | Interior Mount Warning Lights

Features

- Solaris® LED reflector technology
- Single and dual-head models
- Cigarette plug with LED on/off switch and synchronized models
- Simple push-button pattern control and 2-phase pattern synchronization
- Versatile mounting brackets with "snap-on" flash guard
- Library of more than (20) flash patterns
- Five-year LED warranty

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Applications

- Tow & Recovery
- Municipal



329000-22

329001-2

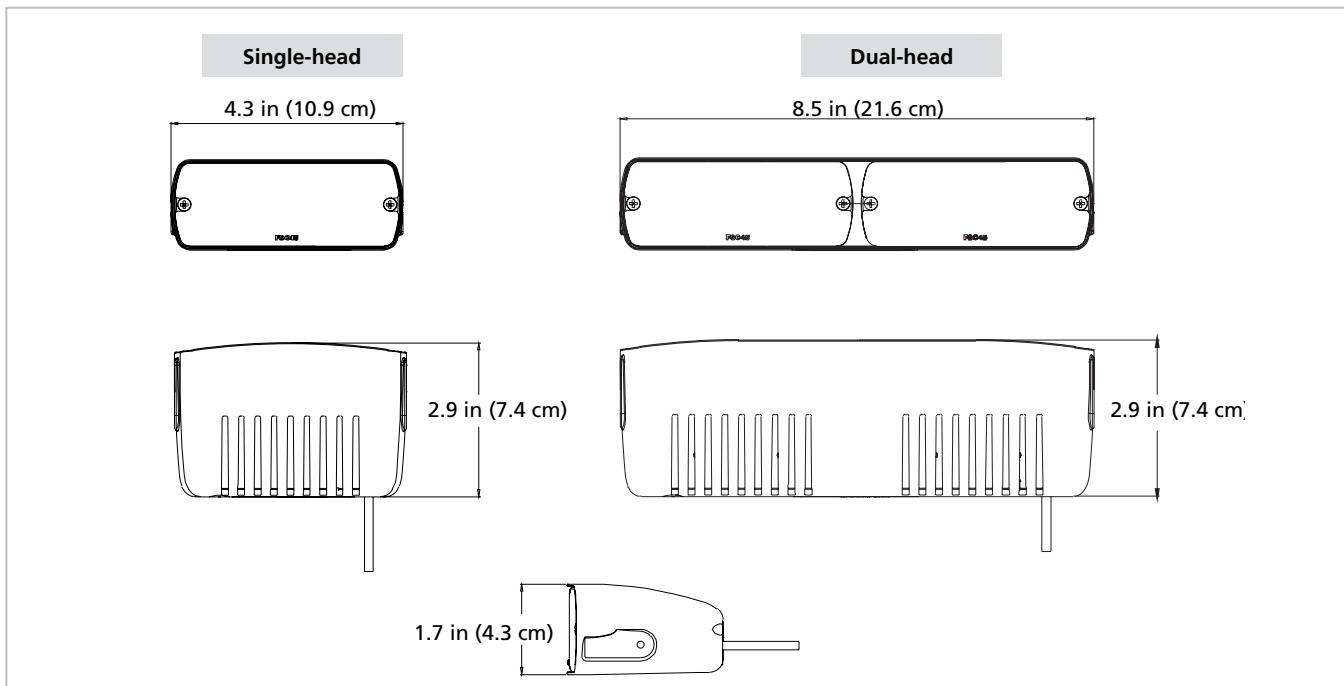


Model	Description
Single-head model with wire leads (synchronization capable)	
329001-2	Amber
Dual-head model with cigarette plug	
329000-22	Amber/Amber
Dual-head model with wire leads (synchronization capable)	
329001-22	Amber/Amber



FEDERAL SIGNAL

Viper® S2 | Interior Mount Warning Lights



Patterns

Single Units	
1	Null
2	79 FPM Power Quad
3	150 FPM Single
4	151 FPM Single
5	74 FPM Single
6	75 FPM Single
7	240 FPM Single
8	241 FPM Single
9	240 FPM Double
10	241 FPM Double
11	150 FPM Double
12	151 FPM Double
13	74 FPM Double
14	75 FPM Double
15	150 FPM Triple
16	75 FPM Triple
17	5 Single @ 680 FPM 4 Single @ 216 FPM
18	4 Single @ 570 FPM 3 Single @ 246 FPM
19	3 Single @ 460 FPM 2 Quad @ 75 FPM
20	Progressive
21	4 Single @ 154 FPM 2 Quad @ 75 FPM
22	Random
23	Steady Burn

Dual Units	
1	Null
2	Alternating 150 FPM Single
3	Alternating 240 FPM Single
4	Alternating 75 FPM Single
5	Alternating 150 FPM Triple
6	Alternating 75 FPM Triple
7	Precise Flip-Flop 63 FPM
8	Overlap 71 FPM Quad
9	Alt. Overlap 50 FPM Power Quad
10	Alt. Overlap 40 FPM Power Quad
11	Alt. Overlap 100 FPM Double
12	Alternating Progressive
13	Alt. 2 Quad. @ 70 FPM 4 Single @ 150 FPM
14	Alt. 5 Single @ 320 FPM 1 Power Quint @ 90 FPM
15	Alt. 2 Quad @ 83 FPM 4 Single @ 272 FPM
16	Overlap 3 Single @ 180 FPM 4 Single @ 706 FPM 3 Single @ 390 FPM 6 Single @ 660 FPM
17	Overlap Power Quad 75 FPM
18	Random
19	Steady/166 FPM Single
20	Steady/103 FPM Burst
21	Steady/4 Single @ 700 FPM 2 Single @ 230 FPM
22	166 FPM Single/Steady
23	103 FPM Burst/Steady
24	4 Single @ 700 FPM/Steady 2 Single @ 720 FPM/Steady
25	Steady Burn

	Single Unit	Dual Unit
Specifications		
Volts	12.8 VDC	
Current Draw	1.5 Amps	2.2 Amps
Operating Temp	-30° C to +65° C	
Physical Dimensions		
Width	4.3 in (10.9 cm)	8.5 in (21.6 cm)
Height	1.7 in (4.3 cm)	1.7 in (4.3 cm)
Depth	2.9 in (7.4 cm)	2.9 in (7.4 cm)
Ship Weight		
	1.0 lb (0.45 kg)	1.5 lbs (0.68 kg)

SpectraLux® Viper® S2 | Interior Mount Warning Lights

Features

- Interior-mount LED warning light ideal for dash/deck, headliner and window-mount applications
- Two sizes available – single-head or dual-head
- SpectraLux multi-color technology provides White LED "Takedown" feature
- Two or three colors per light head (12 or 18 LEDs per head)
- Cigarette plug models available
- Versatile mounting bracket with "snap-on" flash guard included
- LED combinations of Amber, Blue, Red and White
- SpectraLux multicolor LED technology available in combinations of Amber, Blue, Red and White
- Solaris® LED reflector technology for better optical efficiency and superior off-axis warning
- Five-year LED warranty

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Approvals

- SAE J845 and J595, Class 2

Applications

- Tow & Recovery
- Municipal
- Utility



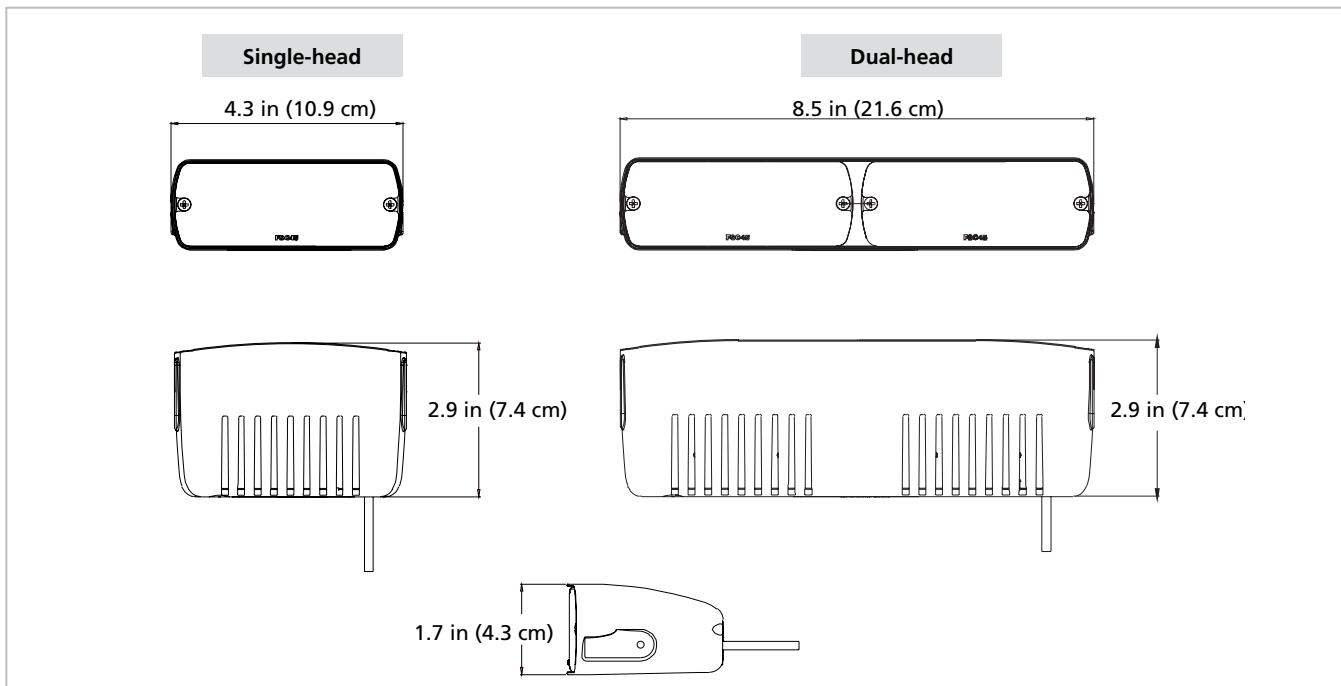
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Model	Description
	Dual-Color, Single-head models with wire leads
329152-AW	Amber/White
	Dual-Color, Single-head models with cigarette plug*
329102-AW	Amber/White
	Dual-Color, Dual-head models with wire leads
329252-AWAW	Amber/White - Amber/White
	Dual-Color, Dual-head models with cigarette plug*
329202-AWAW	Amber/White - Amber/White

*Steady burn option not available in cigarette models



FEDERAL SIGNAL

SpectraLux® Viper® S2 | Interior Mount Warning Lights



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	Single Unit	Dual Unit
Specifications		
Volts	12.8 VDC	
Current Draw	1.5 Amps	2.2 Amps
Operating Temp	-30° C to +65° C	
Physical Dimensions		
Width	4.3 in (10.9 cm)	8.5 in (21.6 cm)
Height	1.7 in (4.3 cm)	1.7 in (4.3 cm)
Depth	2.9 in (7.4 cm)	2.9 in (7.4 cm)
Ship Weight		
	1.0 lb (0.45 kg)	1.5 lbs (0.68 kg)

SpectraLux® Low Profile ILS | Interior Mount Warning Lights

Features

- Slimmer internal lighting system that reduces windshield obstruction and improves visibility
- Split, Passenger-side only, and Driver-side only Front Headliner models available
- Single, dual, or three-color light heads (6, 12 or 18-LEDs per light head)
- Vehicle-specific shrouds to prevent flashback for most common applications
- Multi-Vehicle model offers flexibility to mount the ILS in a larger variety of vehicles
- Discrete models or optional serial interface module available for use in traditionally-wired applications
- LEDs offered in Amber, Blue, Red or White
- Available in Advanced Off-Axis and Center-Focused models
- SpectraLux™ multicolor LED technology available in combinations of Amber, Blue, Red and White
- Solaris® LED reflector technology for better optical efficiency and superior off-axis warning
- ROC (Reliable Onboard Circuitry™) technology
- FS Convergence Network for “plug-n-play” installation and programming
- Five-year LED warranty

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Approvals

- SAE J845, Class 1
- SAE J595, Class 1

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility



[CLASS 1](#) [Online Lightbar Configurator](#) [SOLARIS](#) [SpectraLux](#)

Model	Description
Advanced Off-Axis Models	
Chevy Tahoe/Silverado 2015+	
SIFZS-AMBR1CS	Split Front Headliner, Amber, discrete cable
SIFZS-AMBR2CS	Split Front Headliner, Amber/White, discrete cable
Ford F150 2015+	
SIFZS-AMBR1FF	Split Front Headliner, Amber, discrete cable
SIFZS-AMBR2FF	Split Front Headliner, Amber/White, discrete cable
Dodge Ram 2016+	
SIFZS-AMBR1DR	Split Front Headliner, Amber, discrete cable
SIFZS-AMBR2DR	Split Front Headliner, Amber/White, discrete cable
Multi-Vehicle Kit	
SIFZS-AMBR1MV	Split Front Headliner, Amber, discrete cable
SIFZS-AMBR2MV	Split Front Headliner, Amber/White, discrete cable
Center-Focused Models	
Chevy Tahoe/Silverado 2015+	
SIFMS-AMBR1CS	Split Front Headliner, Amber, discrete cable
SIFMS-AMBR2CS	Split Front Headliner, Amber/White, discrete cable
Multi-Vehicle Kit	
SIFMS-AMBR1MV	Split Front Headliner, Amber, discrete cable
SIFMS-AMBR2MV	Split Front Headliner, Amber/White, discrete cable

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

Specifications	
Voltage	12.8 VDC
Amp Draw (total)	Split Font Headliner - 8 Amps
Operating Temperature	-30° C to +65 °C



FEDERAL SIGNAL

Commander™ Series | Area Lighting

Features

- Generates up to 28K lumens of super bright white light
- Available in 12/24VDC, 120VAC, or 240VAC
- Regardless of power source — same high-powered light output
- Slimmest LED lamp head profile in the industry
- Innovative cooling fins provide higher efficiency and more light
- Advanced lens and arrangement of LEDs generate a uniform flood and spot combination light pattern
- Instant-on at full intensity
- White bezel standard, chrome or Black bezel is optional (select models)
- Five-year LED warranty

Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



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Model	Description
Commander, 20K Lumens, 120VAC	
COM120	Spot/flood LED lighthead
COM120-260	Low profile surface mount lighthead, chrome bezel
COM120-800	Contour brow mount
COM120-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
COM120-ON-530SW	On/off switch, side mount bottom-raise pole, 2.75" offset brackets, raised pole indicator
COM120-ON-540SW	On/off switch, side mount top-raise pole, 2.75" offset brackets, raised pole indicator
COM120-ON-600-603	On/off switch, tri-pod and quick release bracket
COM120-ON-700	On/off switch, portable mount
Commander, 20K Lumens, 12/24VDC	
COM20K	Spot/flood LED lighthead
COM20K-530SW	Side mount bottom-raise pole, 2.75" offset brackets, raised pole indicator
COM20K-800	Brow mount
COM20K-ON	On/off switch
COM20K-ON-530SW	On/off switch, side mount bottom-raise pole, 2.75" offset brackets, raised pole indicator
COM20K-ON-540TW	On/off switch, side mount pull-up, 2.75" offset brackets, top wire exit
Commander, 15K Lumens, 12/24VDC	
COM15K	Spot/flood LED lighthead
COM15K-260	Low profile surface mount lighthead, chrome bezel
COM15K-530	Side mount bottom-raise pole, 2.75" offset brackets
COM15K-530SW	Side mount bottom-raise pole, 2.75" offset brackets, raised pole indicator
COM15K-540	Side mount pull-up, 2.75" offset brackets
COM15K-540SW	Side mount top-raise pole, 2.75" offset brackets, raised pole indicator
COM15K-800	Brow mount
Commander, 7K Lumens, 12/24VDC	
COM7K-900	Surface mount lighthead
Commander LC, 11K Lumens, 12/24VDC	
COMLC11K	Flood LED lighthead
COMLC11K-530-H	Side mount bottom-raise pole, 3.5" offset brackets
COMLC11K-540-H	Side mount pull-up pole, 3.5" offset brackets

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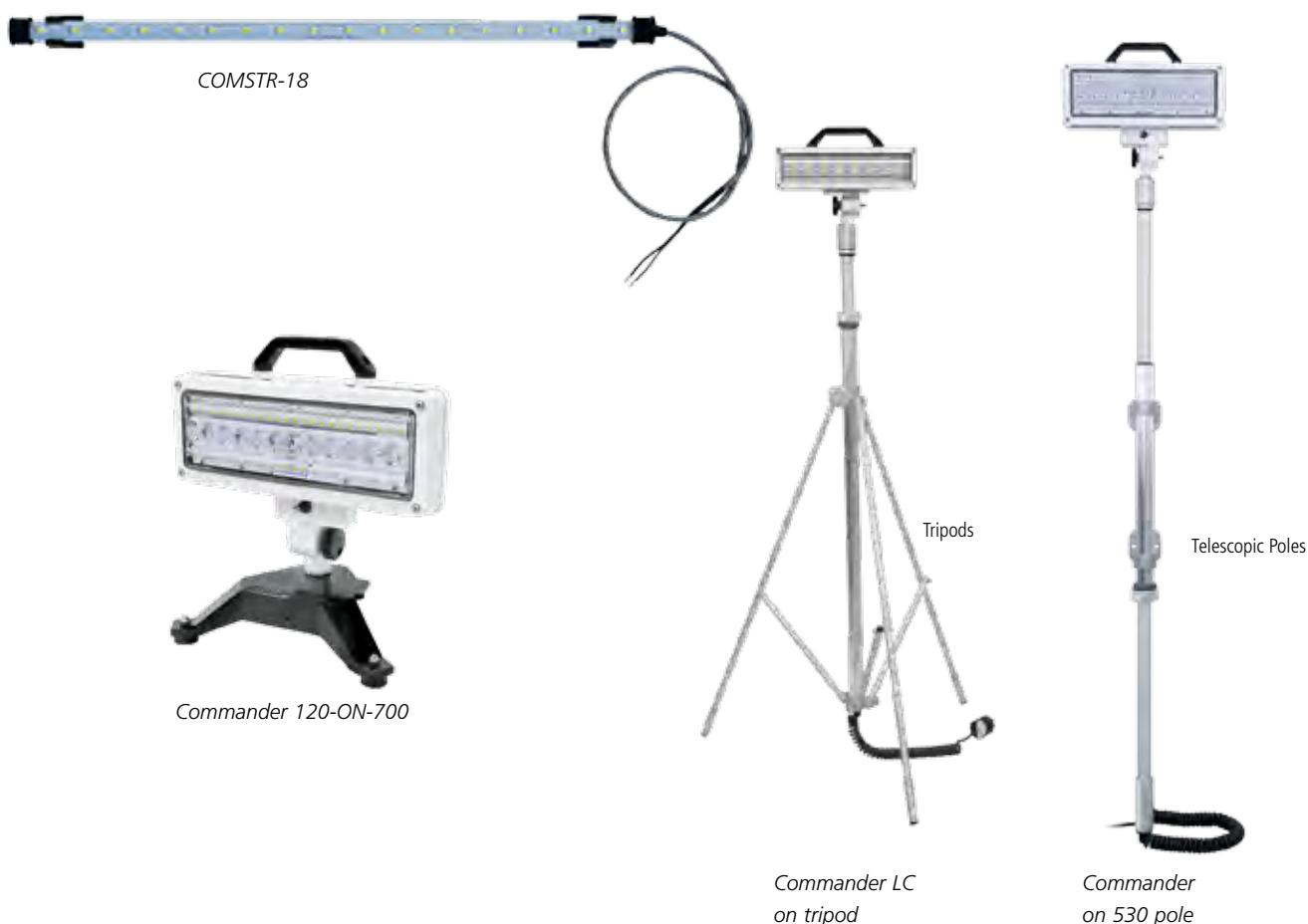
Commander™ Series | Area Lighting

COMLC11K-540-TW	Side mount pull-up pole, 3.5" offset brackets, top wire exit
COMLC11K-570-ON	Fixed top mount, on/off switch
COMLC11K-850	Flat mount
Commander LC, 20K Lumens, 12/24VDC	
COMLC20K	Flood LED lamphead
COMLC20K-530SW-H	Side mount bottom-raise pole, 3.5" offset brackets, raised pole indicator
COMLC20K-540TW-H	Side mount pull-up pole, 3.5" offset brackets, top wire exit
COMLC20K-570	Fixed top mount
Commander M, 14K Lumens, 120VAC	
COMMS-120	Spot/flood LED lighthead
COMMS-120-570	Fixed top mount
COMMS-120-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander M, 14K Lumens, 240VAC	
COMMS-240	Spot/flood LED lighthead
COMMS-240-570	Fixed top mount
COMMS-240-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander M, 14K Lumens, 12/24VDC	
COMMS-DC	Spot/flood LED lighthead
COMMS-DC-570	Fixed top mount
COMMS-DC-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus, 28K Lumens, 120VAC	
COMX-120	Spot/flood LED lighthead
COMX-120-570	Fixed top mount
COMX-120-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus, 28K Lumens, 240VAC	
COMX-240	Spot/flood LED lighthead
COMX-240-570	Fixed top mount
COMX-240-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus, 28K Lumens, 12/24VDC	
COMX-DC	Spot/flood LED lighthead
COMX-DC-530	Side mount bottom-raise pole, 2.75" offset brackets
COMX-DC-570	Fixed top mount
COMX-DC-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus-S, 28K Lumens, 120VAC	
COMX-S-120	Spot/flood LED lighthead
COMX-S-120-570	Fixed top mount
COMX-S-120-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus-S, 28K Lumens, 240VAC	
COMX-S-240	Spot/flood LED lighthead
COMX-S-240-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets
Commander Plus-S, 28K Lumens, 12/24VDC	
COMX-S-DC	Spot/flood LED lighthead
COMX-S-DC-ON-530	On/off switch, side mount bottom-raise pole, 2.75" offset brackets

Commander™ Series | Area Lighting

Commander SB, 7K Lumens, 12/24VDC	
COMSB-FLD-CD	Flood lens, white housing, Collins mount
COMSB-FLD-CD-BLA	Flood lens, black housing, Collins mount
COMSB-FLD-YM	Flood lens, white housing, yoke mount
COMSB-FLD-YM-BLA	Flood lens, black housing, yolk mount
COMSB-TRP-CD	Trapezoid lens, white housing, Collins mount
COMSB-TRP-CD-BLA	Trapezoid lens, black housing, Collins mount
COMSB-TRP-YM	Trapezoid lens, white housing, yoke mount
COMSB-TRP-YM-BLA	Trapezoid lens, black housing, yoke mount
Commander Strip Lighting	
COMSTR-9	9", Compartment light strip, LED
COMSTR-18	18", Compartment light strip, LED
COMSTR-27	27", Compartment light strip, LED
COMSTR-36	36", Compartment light strip, LED
COMSTR-45	45", Compartment light strip, LED
COMSTR-54	54", Compartment light strip, LED
COMSTR-63	63", Compartment light strip, LED
FireFly Compartment Light, 650 Lumens	
COMFF100	Focused Lens, DC, Surface Mount
COMFF110	Flood Lens, DC, Surface Mount

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Commander™ Series 750 and 1200 Work Lights

Area Lighting

Features

- High-powered LED work light
- 1200 or 750 lumen models
- Effective flood light solution
- Adjustable vertical and horizontal mounts
- Vibration resistant construction
- Stainless steel hardware kit and u-bracket included
- 12/24 VDC
- Three-year LED warranty

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Applications

- Tractors
- Tow & Recovery
- Off-road vehicles
- Pick-up trucks
- Recreational vehicles



COM1200-RND



COM1200-SQ



COM750-RND



COM750-SQ

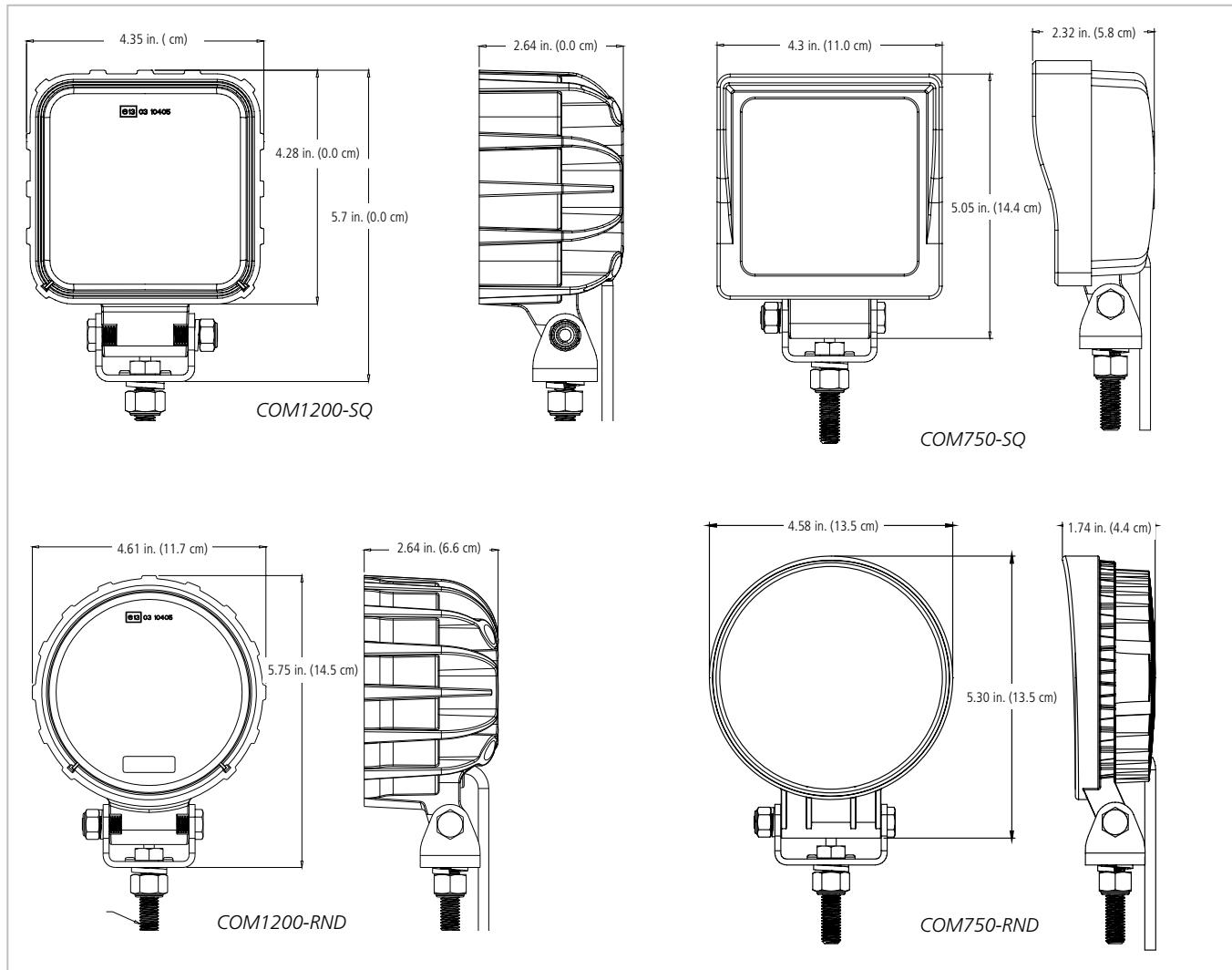
Model	Description
COM1200-RND	1200 Lumen, Round
COM1200-SQ	1200 Lumen, Square
COM750-RND	750 Lumen, Round
COM750-SQ	750 Lumen, Square



COM1200-SQ

Commander™ 750 and 1200 Work Lights

Area Lighting



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	COM1200-RND	COM1200-SQ	COM750-RND	COM750-SQ
Specifications				
Amp Draw	2 Amps @ 12.8 VDC	2 Amps @ 12.8 VDC	1.25 Amps @ 12.8 VDC	1.25 Amps @ 12.8 VDC
Wattage Lamp	27 Watts	27 Watts	16.6 Watts	16.6 Watts
Physical Specifications				
Height	5.7 in (14.5 cm)	5.0 in (14.4 cm)	5.30 in (12.7 cm)	5.6 in (14.2 cm)
Diameter	4.6 in (11.7 cm)	4.3 in (11.0 cm)	4.58 in (11.7 cm)	4.3 in (11.0 cm)
Depth	2.6 in (6.6 cm)	2.3 in (5.8 cm)	1.74 in (4.4 cm)	2.4 in (6.1 cm)
Ship Weight				
	1.8 lbs (0.8 kg)	2.0 lbs (0.9 kg)	1.25 lbs (0.6 kg)	1.6 lbs (0.7 kg)

LED Scene Light | Area Lighting

Features

- Solaris® LED reflector technology
- Surface mount
- Industry standard mounting dimensions
- Five-year LED warranty



QL97LEDSCENE



QL73LEDSCENE

(Shown with Chrome bezel option)



Applications

- Construction
- Municipal
- Tow & Recovery
- Utility

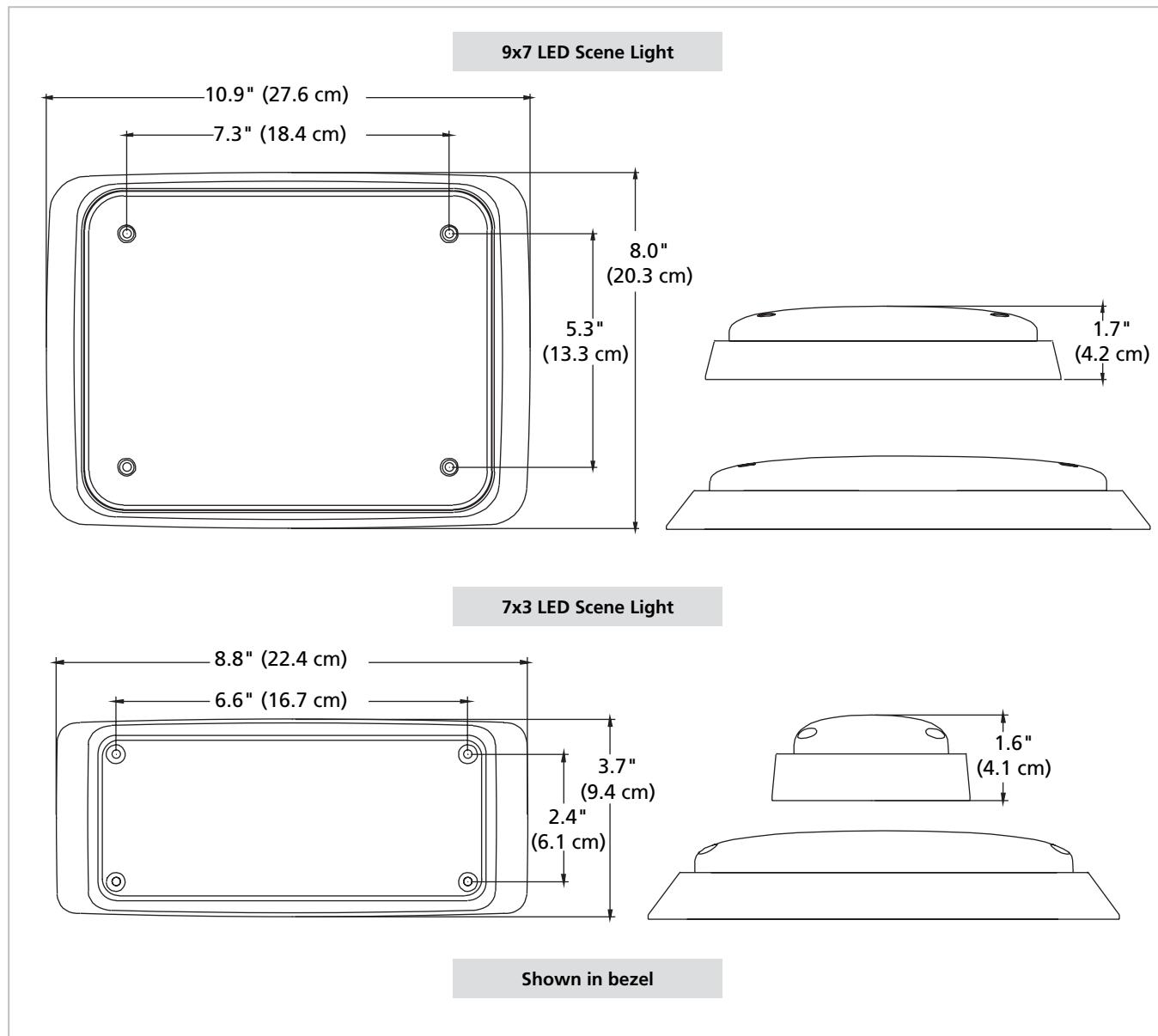
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Model	Description
QL97LEDSCENE	Scene light, 9x7, LED
QL73LEDSCENE	Scene light, 7x3, LED
Accessories	
QL97MC	Trim bezel, Chrome with gasket
QL73MC	Trim bezel, Chrome with gasket
Common Replacement Parts	
Z8012062C-02	9x7 Lens, fluted, Clear
Z8012111A	Gasket, 9x7 base/lens, molded
Z8012081A	7x3 Bezel to surface gasket
Z7065073A	Screw, grommet



FEDERAL SIGNAL

LED Scene Light | Area Lighting



	QL97LEDSCENE	QL73LEDSCENE
Specifications		
Voltage	12.8 VDC	
Current Draw	4.0 Amps	3.5 Amps
Operating Temperature	-40° C to 65° C	
Physical Dimensions (W x H x D)		
	9.2 in x 7.2 in x 1.7 in (59.3 cm x 46.5 cm x 10.9 cm)	7.1 in x 3.3 in x 5.3 in (18.0 cm x 8.4 cm x 13.5 cm)
Ship Weight		
	3.2 lb (1.4 kg)	1.3 lb (0.6 kg)

Wireless VisiBeam® / VisiBeam® | Area Lighting

Features

- High-power spotlight for superior work area illumination
- Ergonomically designed wireless transmitter operates at over 100-ft (Wireless VisiBeam®)
- Up to four (4) transmitters programmable to operate one light (Wireless VisiBeam®)
- Graduated start for pinpoint light beam placement
- Continuous 360-degree horizontal and 140-degree vertical adjustment
- Three-year warranty

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Approval

- FCC Approved

Applications

- Construction
- Municipal
- Tow & Recovery
- Utility

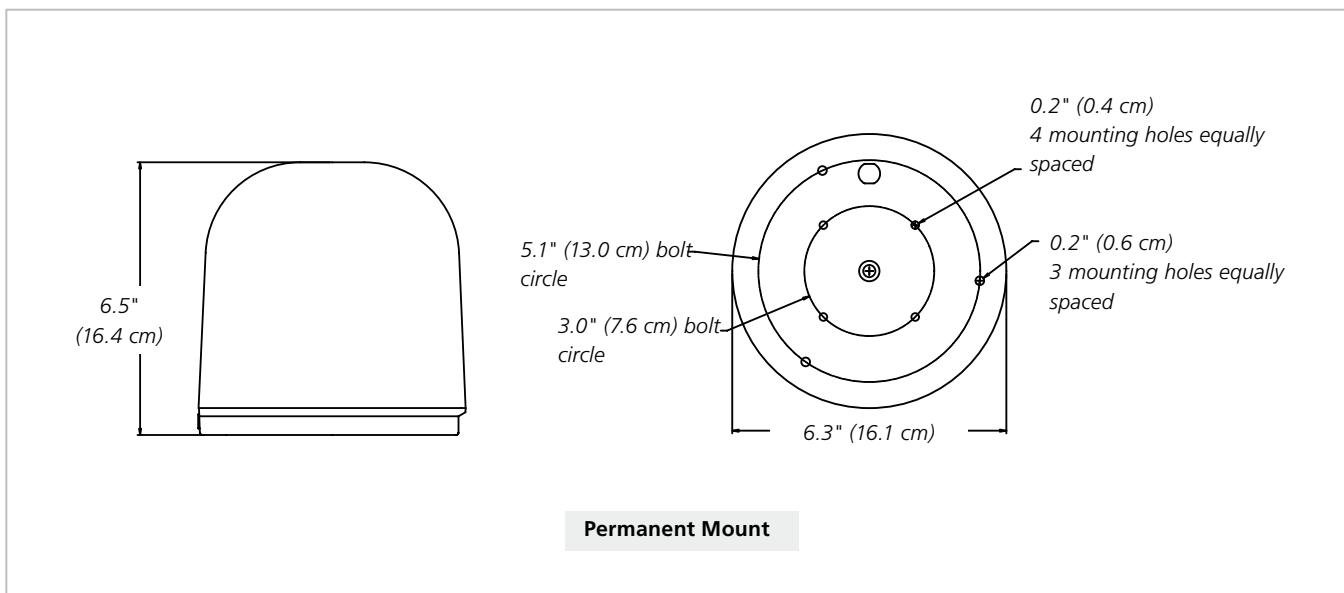


Model	Description
Wireless VisiBeam, 12 VDC, 100W, wireless controller	
620200	Permanent mount
620201	Magnetic mount with cigarette lighter plug
Wireless VisiBeam, 24 VDC, 65W, wireless controller	
620202	Permanent mount
VisiBeam II	
620102	55W, 12 VDC, adjustable spot light, permanent mount
620104	65W, 24 VDC, adjustable spot light, permanent mount
620122	100W, 12 VDC, adjustable spot light, permanent mount
620122-40	100W, 12 VDC, adjustable spot light, permanent mount, 40-ft cable
620142	100W, 12 VDC, adjustable spot light, magnetic mount with cord and cigarette plug
Common Replacement Parts	
620502	Bulb, 12 VDC, 100 W, for models 620122, 620142, 620200 and 620201
620504	Bulb, 24 VDC, 65 W, for models 620104 and 620202
620510	Bulb, 12 VDC, 55 W, for model 620102
448500-05	Dome, Clear
Z146903B	Cable assembly, 25-ft
Z8433039B	Remote control
Z8422B399A-01	Motor, 12 VDC
Z8422528A	Motor, 24 VDC
Z8433113A	Transmitter, wireless



FEDERAL SIGNAL

Wireless VisiBeam® / VisiBeam® | Area Lighting



Specifications	
Voltage	12/24 VDC
Amp Draw	7.8 Amps @ 12.8 VDC (100W) 2.7 Amps @ 25.6 VDC (65W)
Candelas	90,000 (65W) 125,000 (100W)
Operating Frequency	433.92 MHz
Dimensions	
Diameter	6.3 in (16.1 cm)
Height	6.5 in. (16.4 cm) — permanent mount 6.9 in. (17.5 cm) — magnetic mount
Ship Weight	
	2.0 lbs (0.9 kg)

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Wireless controller has a belt clip design
for easy storage when not in use

2012 Series Alarms

Back-up Alarm

Features

- Available in 87 dB(A), 97 dB(A) and 102 dB(A) models with wires or stud terminals
- Built-in universal mounting bracket with industry-standard 3.25" centers and self-grounding strap (on “-S” models) eases installation
- Steam-cleanable and pressure washable
- Epoxy encapsulation protects against vibration, as well as debris and moisture ingress
- Three-year warranty

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Approvals

- SAE J994
- CE
- OSHA
- MSHA

Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



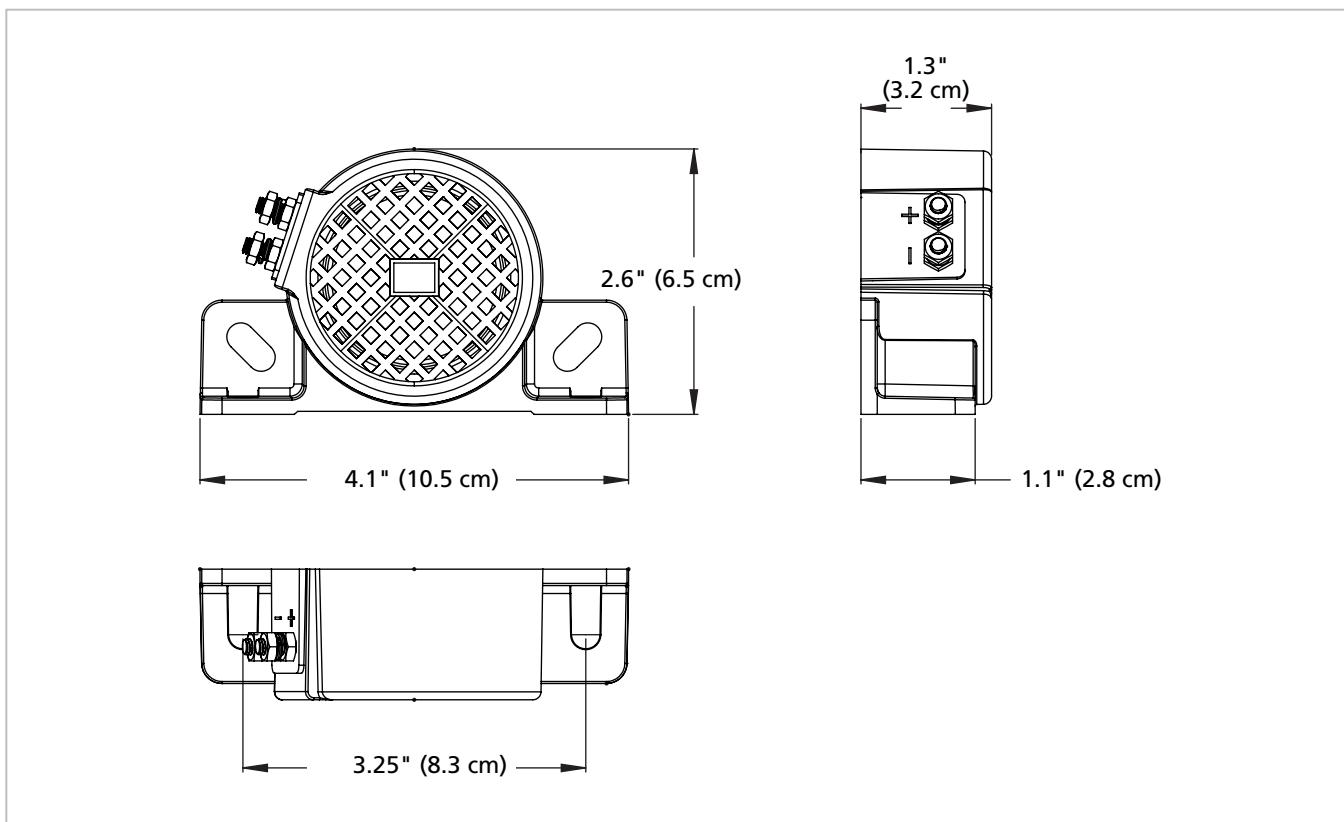
Model	Description
210238-S	87 dB(A), 12-24 VDC, SAE J994 Type D, stud terminals
210238-W	87 dB(A), 12-24 VDC, SAE J994 Type D, wires
210239-S	97 dB(A), 12-24 VDC, SAE J994 Type C, stud terminals
210239-W	97 dB(A), 12-24 VDC, SAE J994 Type C, wires
210240-S	102 dB(A), 12-24 VDC, SAE J994 Type F, stud terminals
210240-W	102 dB(A), 12-24 VDC, SAE J994 Type F, wires



FEDERAL SIGNAL

2012 Series Alarms

Back-up Alarm



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Specifications		
Operating Voltage	12/24 VDC	
Conformance	SAE J994, CE, OSHA and MSHA	
Sound Output	210238-S 210238-W 210239-S 210239-W 210240-S 210240-W	87 dB(A) 87 dB(A) 97 dB(A) 97 dB(A) 102 dB(A) 102 dB(A)
Current Draw	210238-S 210238-W 210239-S 210239-W 210240-S 210240-W	0.3 Amp 0.3 Amp 0.3 Amp 0.3 Amp 0.5 Amp 0.5 Amp
SAE J994 Type	210238-S 210238-W 210239-S 210239-W 210240-S 210240-W	Type D Type D Type C Type C Type F Type F
Dimensions		
Width	1.1 in. (2.8 cm)	
Height	2.6 in. (6.5 cm)	
Length	4.1 in. (10.5 cm)	

Evacuator® | Back-up Alarm

Features

- "Plus" models offer dual-tone function (pulse or constant)
- A wide range of decibel levels and operating voltages are offered for enhanced application flexibility
- Universal mounting bracket included
- Unique Piezo electric design incorporates a tear-free Mylar speaker cone that is impervious to moisture
- Solid-state electronics and a sealed design protect against moisture, contaminants and vibration
- Three-year warranty

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210330SSG

(shown with mounting bracket included)

Model	Description
Evacuator Plus, Dual Functions, 12-48 VDC	
210330SSG	87 dB(A), 12-48 VDC, SAE J994 Type D, nickel-plated threaded terminals
210331SSG	97 dB(A), 12-48 VDC, SAE J994 Type C, nickel-plated threaded terminals
210333SSG	107 dB(A), 12-48 VDC, SAE J994 Type B, nickel-plated threaded terminals

Approvals

- SAE J994
- OSHA
- MSHA

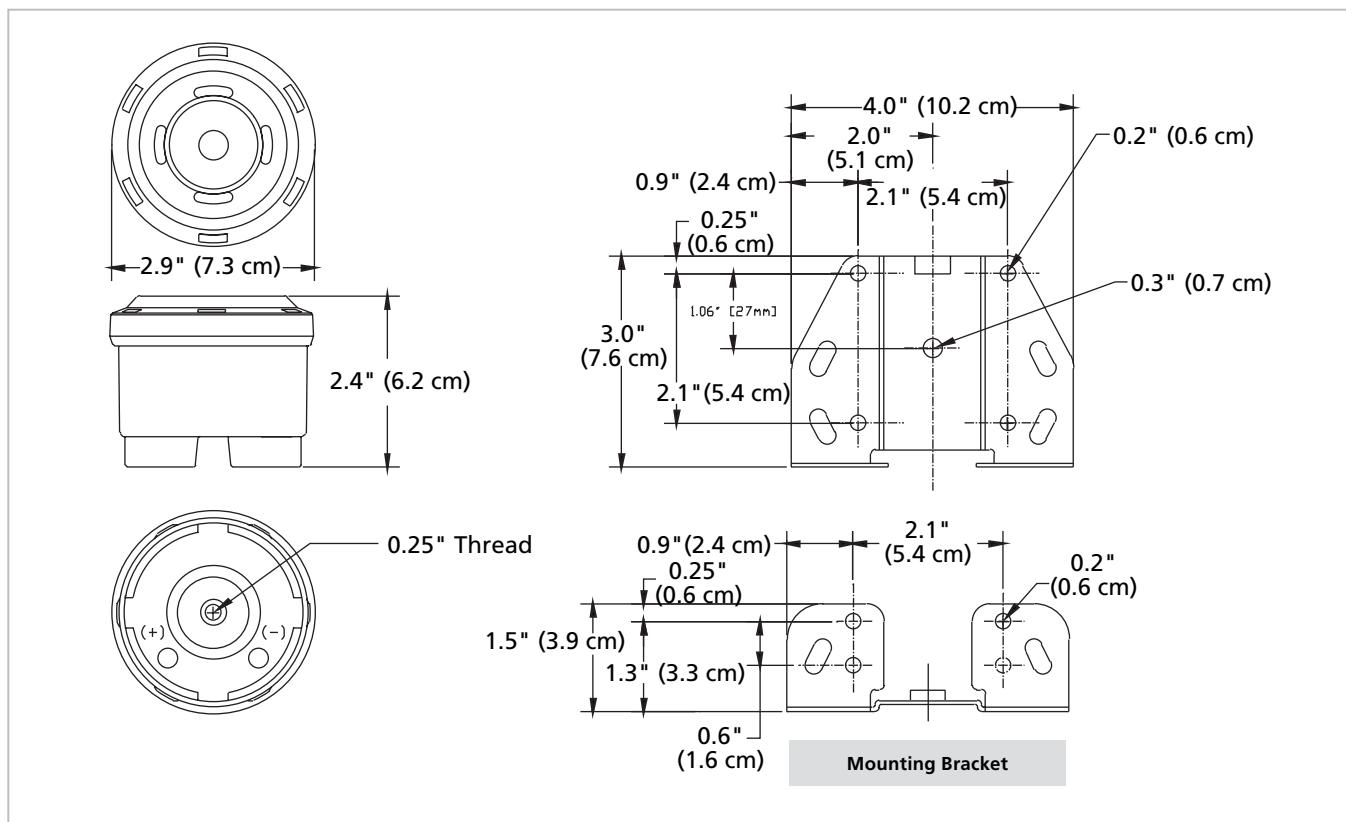
Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



FEDERAL SIGNAL

Evacuator® | Back-up Alarm



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	210330SSG	210331SSG	21033SSG
Specifications			
Amp Draw	0.02 Amp @ 12 VDC	0.03 Amp @ 12 VDC	0.17 Amp @ 12 VDC
Voltage	12/48 VDC	12/48 VDC	12/48 VDC
Sound Level	87 dB(A)	97 dB(A)	107 dB(A)
Sound Frequency	2.75 kHz	2.4 kHz	2.7 kHz
Physical Specifications			
Length	2.9 in. (7.4 cm)		
Width	2.9 in. (7.4 cm)		
Height	2.4 in. (6.1 cm)		
Ship Weight			
	0.6 lbs (0.3 kg)		

Speciality Alarms and Switches

Back-up Alarm

Features

Speciality Alarms

- Automatically adjusts to at least 5 dB(A) above ambient noise level (210502SSG is manually adjustable)
- Epoxy-sealed for protection against vibration, dirt and moisture
- Glass-filled nylon housing is steam-cleanable
- Integrated universal mounting bracket
- Maximum current draw between 0.2 Amp and 1.0 Amp
- Meet SAE J994, OSHA, and MSHA requirements
- Three-year warranty

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Switches

- For installations where it is not possible to wire a back-up alarm into the vehicle's back-up light circuit
- Installed adjacent to the gear-shift lever or linkage, the switch activates the alarm when the activating shaft is removed

Speciality Alarm Approvals

- SAE J994
- OSHA
- MSHA

Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



210298



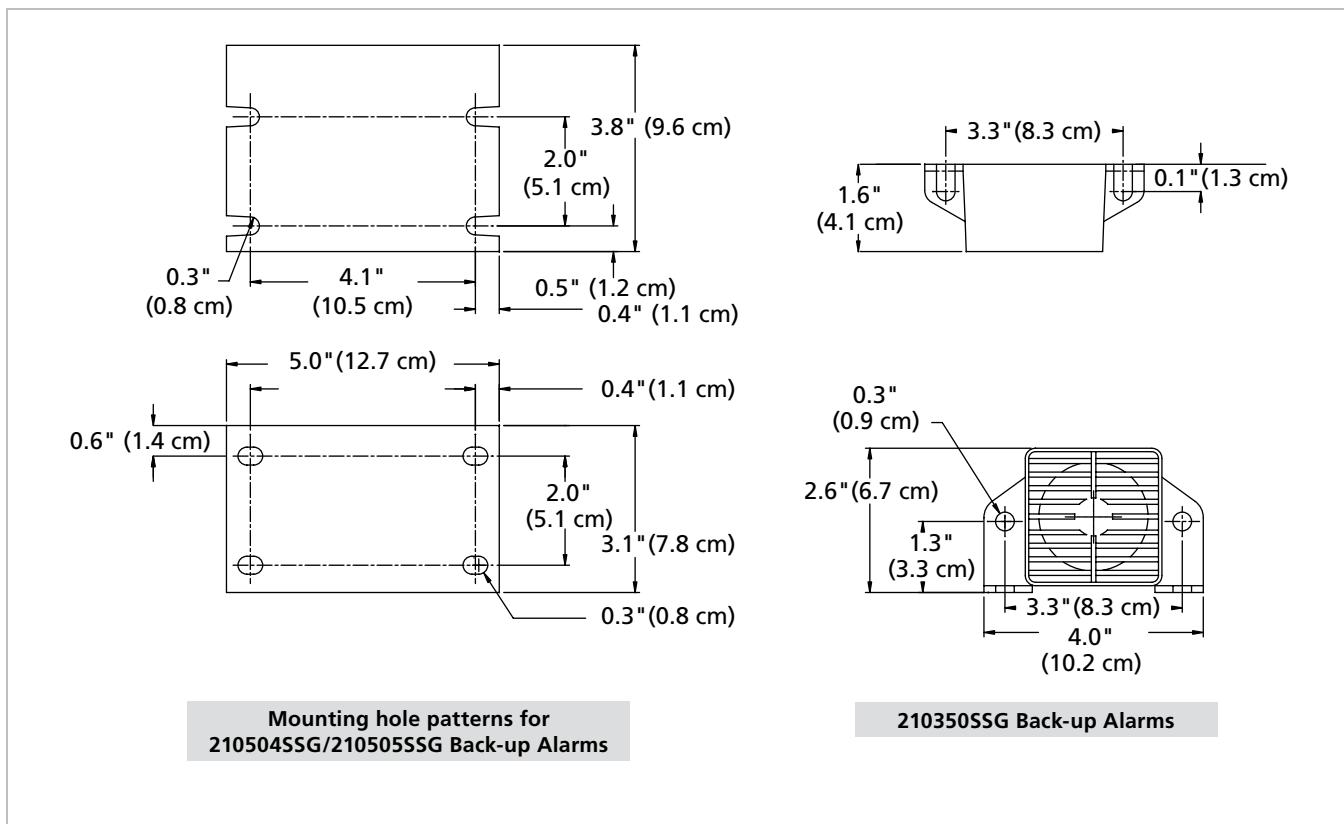
210350SSG

Model	Description
Speciality Alarms	
210350SSG	77-102 dB(A), auto-adjusting, 12-24 VDC, SAE J994 Type E-F, 4.02 in x 2.64 in x 1.60 in
210502SSG	107-112 dB(A), manually adjustable, 12-24 VDC, SAE J994 Type B or A, 5.00 in x 3.06 in x 3.78 in
210504SSG	87-112 dB(A), auto-adjusting, 6-24 VDC, SAE J994 Type D-A, 5.00 in x 3.06 in x 3.78 in
210505SSG	87-107 dB(A), auto-adjusting, 12-48 VDC, SAE J994 Type D-B, 5.00 in x 3.06 in x 3.78 in
Switches	
210298	Multi-directional 360-degree switch, 5 Amps, water-resistant, with adjustable mounting bracket
210299SSG	Unidirectional switch, 5 Amps
200053-95	Replacement mounting bracket for 210298 switch



FEDERAL SIGNAL

Speciality Alarms and Switches | Back-up Alarm



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	210502SSG	210504SSG	210505SSG	210350SSG
Evacuator Plus				
Amp Draw	0.2 max	0.5 max	0.3 max	0.3 max
Voltage	12/24 VDC	6/24 VDC	12/48 VDC	12/24 VDC
Output	107-112 dB(A)	87-112 dB(A)	87-107 dB(A)	77-102 dB(A)
Sound Frequency	1200 Hz	1150 Hz	1150 Hz	1300 Hz
Ship Weight				
		2.0 lbs (0.9 kg)		

Mobile Camera Systems | Reverse Cameras

Features

- All cameras are high-resolution, color Sony® CCD cameras
- TFT-LCD color monitors available in 5.6" or 7.0"
- Most cameras equipped with automatic day/night sensor and infrared LEDs for night vision
- Multiple camera cable lengths available
- Wide operating temperature range for all cameras: -22°F to 149°F
- Multi-voltage capability (12/24 VDC)
- Two-year year limited warranty

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Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



Model	Description
Systems	
CAMSET56-NTSC-2	5.6" Monitor with two-camera input, (1) standard rear-view camera, (1) 65.5-ft extension cable
CAMSET70-NTSC4B	7.0" Monitor with four-camera input, (1) standard rear-view camera, (1) 65.5-ft extension cable
Monitors	
CAMLCD-INT-56	5.6" TFT-LCD monitor with two camera inputs
CAMLCD-INT-70-B	7.0" TFT-LCD monitor with four camera inputs and intelligent split-screen capability
CAMLCD-MIR	4.3" TFT-LCD rear-view mirror monitor with two camera inputs
Cameras - Camera cables sold separately	
CAMCCD-REARNTSC	Standard rear-view CCD camera with photosensor, 16 infrared LEDs, and microphone, IP68
CAMCCD-SIDENTSC	Standard side-view CCD camera with photosensor, 16 infrared LEDs, and microphone, IP68
CAMCCD-FLSHNTSC	Bullet/flush-mount CCD camera, IP68, U-bracket included
CAMCCD-FLS2NTSC	Bullet/flush-mount CCD camera with photosensor and 10 infrared LEDs for night vision, IP68
CAMCCD-BALLNTSC	Ball CCD camera with photosensor and 16 infrared LEDs for night vision, microphone, IP68
CAMCCD-DOMENTSC	Dome CCD camera with photosensor and 18 infrared LEDs for night vision, microphone, IP65
CAMCCD-COMREAR	Compact mirroring rear view camera with night vision and audio
CAMCCD-REARMIR	Mirroring rear view camera with night vision and audio
CAMCCD-REARMIR-NIR	Mirroring rear view camera with and audio, No Infrared LEDs
Cables	
CAMCABLE-5	Camera-to-monitor extension cable, 16.5-ft/5-m
CAMCABLE-10	Camera-to-monitor extension cable, 33-ft/10-m
CAMCABLE-15	Camera-to-monitor extension cable, 49-ft/15-m
CAMCABLE-20	Camera-to-monitor extension cable, 65.5-ft/20-m
CAMCABLE-40	Camera-to-monitor extension cable, 131-ft/40-m
CAMCABLE-TRK	Truck/trailer camera connection kit
CAMCABLE-SHORT	Camera-to-monitor extension cable, 4-in/102-mm

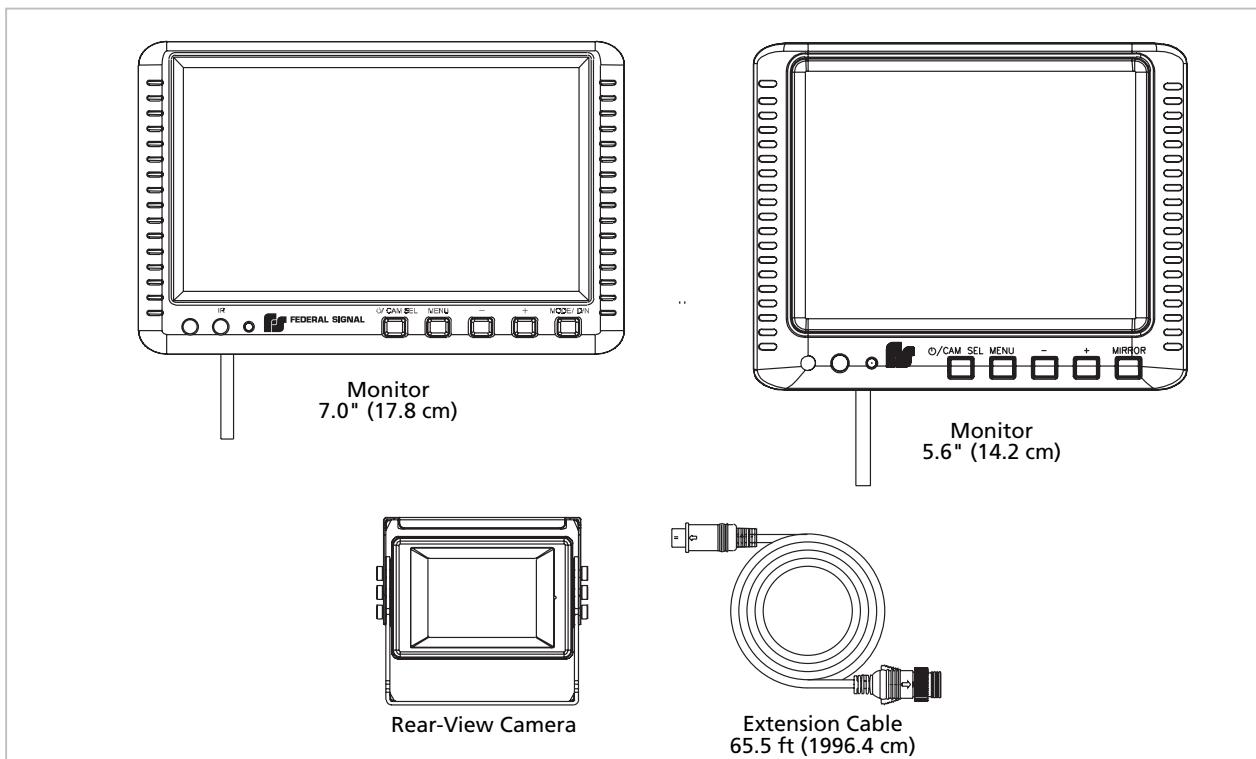
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FEDERAL SIGNAL

Mobile Camera Systems

Reverse Cameras



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Accessories	
CAMADP-EXT	Camera cable adapter for connecting two camera-to-monitor extension cables together
CAMADP-RCA-IN	System adapter for connecting external RCA - equipped video source to FS monitor or DVR
CAMADP-RCA-OUT	System adapter for connecting CAMCCD-XXXXNTSC to external RCA destination input
CAMBRK-HD	Heavy-duty monitor mount
CAMLCD-BRACKET	Replacement mounting bracket for monitor
Common Replacement Parts	
CAMADP-INT-2	Replacement wiring harness, CAMLCD-INT-56/CAMLCD-INT-70
CAMADP-INT-4	Replacement wiring harness, CAMLCD-INT-70-B



HRX Series Headache Rack | Accessories

Features

- Protects cab and truck's rear window
- Designed to mount a variety of warning lights including: Full size or mini-lightbars, beacons, work lights and perimeter/exterior lights
- Pre-drilled holes to allow easy installation of lights
- Black e-coated finish
- Complete with bracket mount kit and hardware
- Three-year warranty

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Applications

- Construction
- Municipal
- Utility

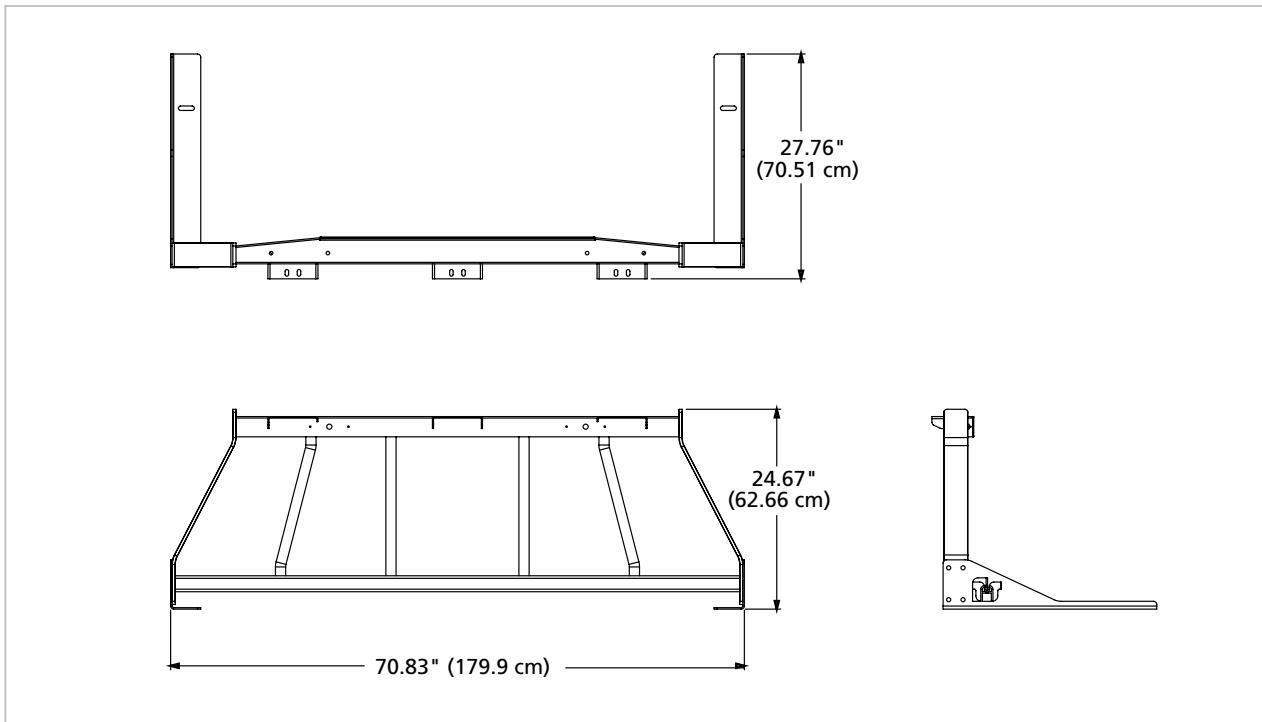


Model	Description
Headache Rack – Universal Model	
HRX01	Headache rack for Ford, Dodge and Chevy 1500 Series with Latitude channel/bracket and mounting holes for MPS6U (sold separately)
Accessories	
HRX-MESH	Mesh screen for HRX01
HRX-HL	HighLighter bracket for HRX01
HRX-CABLE	4-channel wiring harness for HRX01
HRX-LB45	Mount adapter for 44" / 45" lightbar



FEDERAL SIGNAL

HRX Series Headache Rack | Accessories



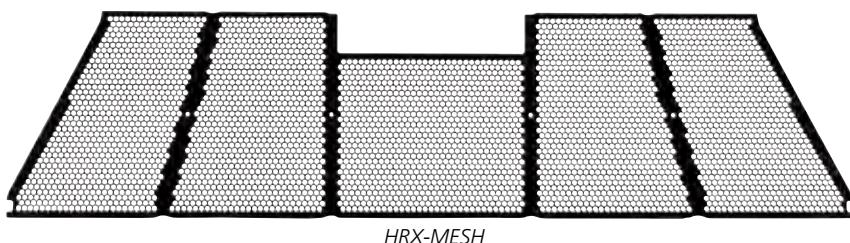
139

Specifications

Height	24.7 in (62.7 cm)
Length	70.8 in (179.80 cm)
Width	27.8 in (70.6 cm)

Ship Weight

61 lbs (27.7 kg)



HRX-HL



HRX-CABLE

PBX Series Push Bumper | Accessories

Features

- Mount kit and hardware included
- Center cross plate and uprights are pre-drilled for mounting extra lights
- Heavy duty 4 gauge steel uprights
- 14-gauge steel top channels
- Wide rubber strips measure 2 3/4 inches
- Does not interfere with SRS airbag system
- Lower tube for extra protection and strength
- Includes black stainless steel hardware used on all visible fasteners
- E-coated / Black powder coat for bumpers and top channels
- Three-year warranty

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Applications

- Construction
- Municipal
- Utility



PBX06 (lights and speaker, sold separately)

Model	Description
PBX06	Ford F150, Push Bumper
Accessories	
Top Channels – order one with each push bumper	
PBX-TC2L-4	Two-light top channel for Chevy Tahoe/Ford F150 bumper, use with two MPS600, MPS600U or MPS620U lights (sold separately)
PBX-TC4L-4	Four-light top channel for Chevy Tahoe/Ford F150 trucks bumper, use with four MPS600, MPS600U or MPS620U lights (sold separately)
Wing Wrap	
PBXW-FRD15	Ford F150 Wing Wrap

Specifications	
Length	45.0 in (114.3 cm)
Width	37.0 in (94 cm)
Height	10.0 in (25.4 cm)
Ship Weight	
	79.0 lbs (35.8 cm)



FEDERAL SIGNAL

DOT System Flasher | Accessories

Features

- Two-programmable modes of operation, priority to mode 2
- Power pass-through feature
- (14) Flash patterns
- SAE compliant, true random flash pattern
- Potted PC board in polycarbonate housing
- Removable wiring headers and fast disconnect power block for easy serviceability
- Individual zone activation
- Supports Spectralux® dual color feature
- Total system power up to 35 Amps
- Three-year product warranty



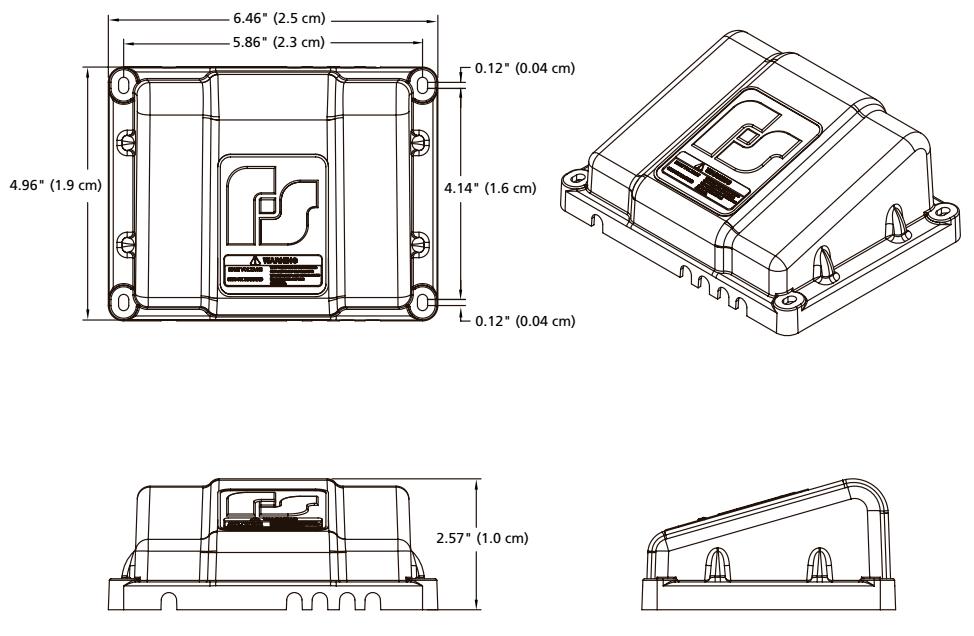
605010

Model	Description
605010	8-channel, 4-zone flasher
Cables	
605010-30	30-ft TPR cable with weather tight connector
605010-60	60-ft TPR cable with weather tight connector

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Applications

- Construction
- Material Handling
- Municipal
- Utility



Mounting Boxes

Accessories

Features

QuadraFlare® 4x3

DOT Mounting Boxes

- 1-, 2-, and 3-up versions
- Constructed with 3/16" stainless steel
- Welds to vehicle body
- Sold in pairs
- Includes internal steel mounting frame for use with QuadraFlare® 4x3 DOT models
- Pre-punched mounting holes on side for use with MicroPulse™ Ultra 3 (horizontal orientation)
- Open corners to allow for drainage
- Three-year product warranty

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SignalTech® Oval Mounting Boxes

- 1-, 2- and 3-up versions
- Cold rolled steel (with zinc plating)
- Welds or bolts to vehicle body
- Sold in pairs
- Fits SignalTech® LED oval lights
- Three-year warranty



Model	Description
QuadraFlare 4x3 DOT Mounting Boxes	
304301SSG	1-up pair for QL43D models
304302SSG	2-up pair for QL43D models
304303SSG	3-up pair for QL43D models
SignalTech Oval Mounting Boxes	
305101SSG	1-up pair for SignalTech LED oval models
305102SSG	2-up pair for SignalTech LED oval models
305103SSG	3-up pair for SignalTech LED oval models

Applications

- Material handling
- Municipal



Shown SignalTech light,
model 607106-02SB
(sold separately, see page 112)



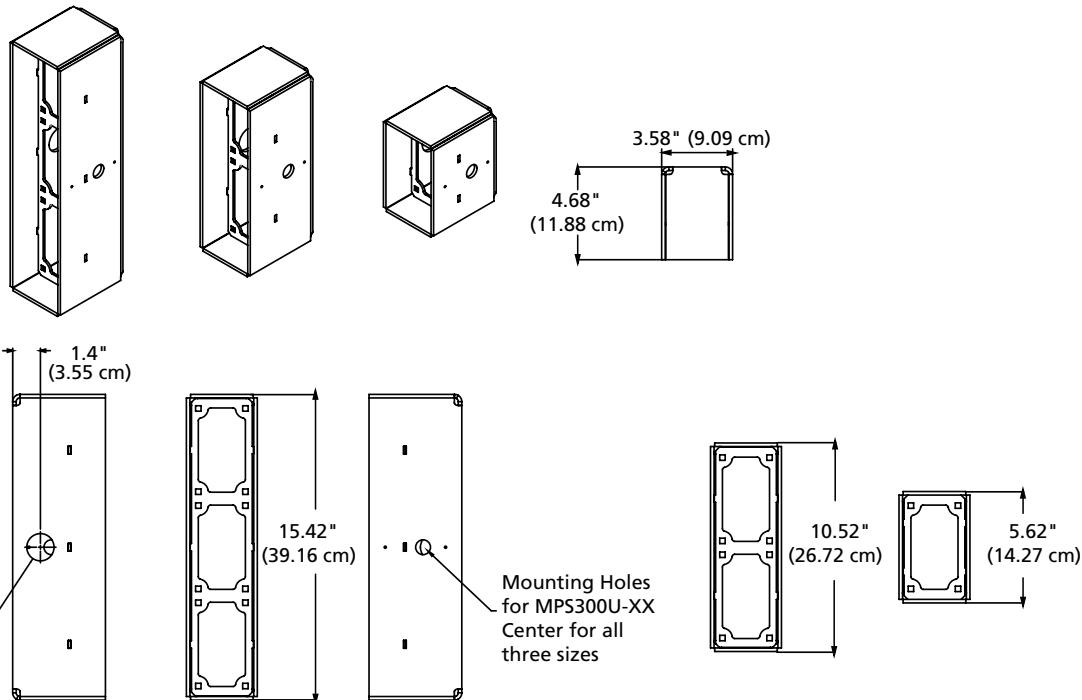
Shown DOT light,
model QL43D-A
(sold separately, see page 98)



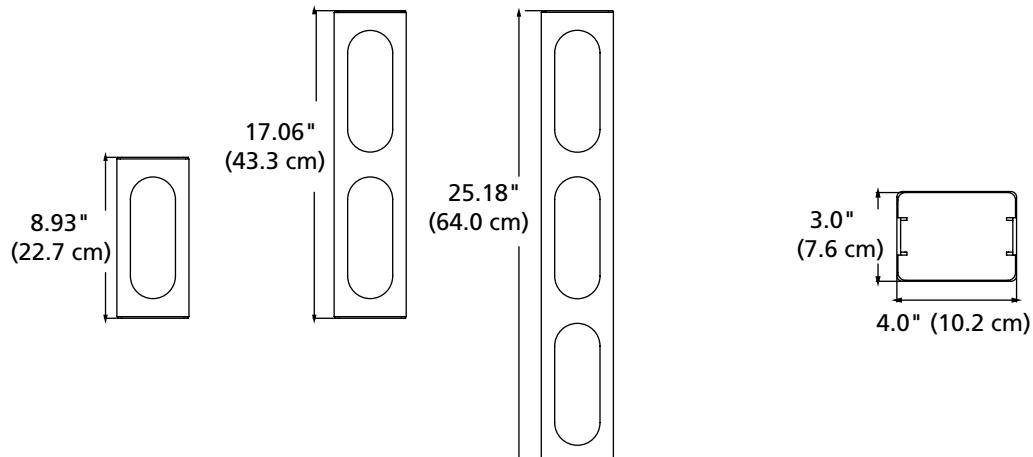
FEDERAL SIGNAL

Mounting Boxes | Accessories

QuadraFlare® 4x3 DOT Lights Mounting Boxes



SignalTech® Oval Mounting Boxes



	304301SSG	304302SSG	304303SSG	305101SSG	305102SSG	305103SSG
Specifications						
Height	5.6 in (14.2 cm)	10.5 in (26.7 cm)	15.4 in (39.1 cm)	8.9 in (22.6 cm)	17.1 in (43.4 cm)	25.2 in (64 cm)
Length	3.5 in (8.9 cm)	3.5 in (8.9 cm)	3.5 in (8.9 cm)	3 in (7.6 cm)	3 in (7.6 cm)	3 in (7.6 cm)
Width	4.7 in (11.9 cm)	4.7 in (11.9 cm)	4.7 in (11.9 cm)	4 in (10.2 cm)	4 in (10.2 cm)	4 in (10.2 cm)

IMPAXX® Wing Plow Light | Accessories

Features

- Solaris® LED reflector technology
- Superior warning with (6) high-powered LEDs
- Lighthead is fully encapsulated in a cast aluminum housing
- Suitable for mounting on wing plow tips
- Flasher required for operation as part of a complete DOT lighting package
- Rugged weather resistant TPR cable with weather tight connector
- Five-year LED warranty

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Application

- Snow plow

Approval

- SAE J595, Class 1



IPX602B-WPL

Model	Description
IPX602B-WPL	Horizontal IPX Wing Plow Light, Clear lens, Amber



FEDERAL SIGNAL

MB1 LED Message Board | Accessories

Features

- Public safety messaging system incorporates LED message display board suitable for interior or exterior mounting, with internally mounted controller
- Includes hardware kit with mount brackets and carriage bolts
- LED display can be "dimmed" to adjust message contrast
- System comes equipped with a default message set
- PC software allows administrator to create custom message sets
- Three-year warranty



MB1-A

Model	Description
MB1-A	Public safety messaging system with Amber LED message display and controller; -G(Green)
Accessories and Kits	
MBK03H	Kit for mounting MB1 message board to rear of Valor lightbars
MBK04	Kit for mounting MB1 message board to rear of Integrity, Legend, LPX, and Navigator lightbars (except for HotFoot versions of these bars)

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Applications

- Construction
- Material Handling
- Municipal
- Tow & Recovery
- Utility



MB1 CONTROLLER

Physical Specifications		
LED Color Options	Amber or Green	
LED Mount	672 LEDs	
Operating Temperature	-30° C to +65° C	
Voltage	12 VDC	
Physical Specifications		
	Message Board	Controller
Length	35.2 in (89.4 cm)	6.8 in (17.3 cm)
Height	3.0 in (7.6 cm)	3.3 in (8.3 cm)
Depth	3.3 in (8.4 cm) - without brackets 4.8 in (12.2 cm) - with brackets	1.6 in (4.1 cm)
Ship Weight		
Message Board and Controller	10.0 lbs (4.5 kg)	

Headlight/Taillight Flashers | Accessories

Features

- Headlight and taillight flashers are available for high-side and ground switched systems
- “Plug-n-play” models available
- Multiple flash rates
- Easy to install
- Three-year warranty



Applications

146

- Construction
- Material handling
- Tow & Recovery
- Utility

Model	Description
High-Side switched headlight flasher systems	
FHL2-SC	Flasher, headlight, 90 FPM, standard headlight system, high beam override (2) 10 Amp loads
FHL-HL	Flasher, headlight, multiple flash patterns, (2) 10 Amp outputs, 18" wire leads
High-Side switched taillight flasher system	
FHL-TAIL	Flasher, taillight, low stand-by current draw, multiple flash patterns

	Headlight Flashers		Taillight Flasher
	FHL-HL	FHL2-SC	FHL-TAIL
Vehicle Application	Universal	Universal	Universal
Specifications			
Vehicle Electrical System	10-30 VDC negative ground	12 VDC negative ground	12 VDC negative ground
Maximum Output Current	Two 9.5 Amps circuits per side	Two 10 Amps circuits per side	Two 5 Amps circuits per side
Circuit Switching	High-Side	High-Side	High-Side
Low Voltage Protection	✓	✓	✓
Reverse Polarity Protection	✓	✓	✓
Daytime Running Lights	–	–	–
Plug-n-play Connections	–	–	–
High Beam Deactivation	✓	✓	–
Automatic Nighttime Cut-off	✓	–	–
Flash Patterns	7 selectable patterns	90 fpm	2.4 FPS
Mounting Bracket	Universal	Universal	Universal
Physical Specifications			
Height	0.7 in (1.78 cm)	1.0 in (2.5 cm)	0.7 in (1.78 cm)
Length	4.7 in (11.9 cm)	3.0 in (7.6 cm)	4.7 in (11.9 cm)
Width	2.1 in (5.3 cm)	2.0 in (5.1 cm)	2.1 in (5.3 cm)
Ship Weight			
	1.0 lb (0.5 kg)	1.0 lb (0.5 kg)	1.0 lb (0.5 kg)



FEDERAL SIGNAL

Intelli-Flash® Flashers

Accessories

Features

- Specifically designed for use with auxiliary LED lighting
- Designed to perform in a variety of applications
- Can be used to synchronize multiple light heads
- Three-year warranty

Applications

- Construction
- Material Handling
- Tow & Recovery
- Utility



650201

Model	Description
650201	(2) 6 Amp loads, (8) flash patterns, ground-side switching
650202	(4) 4 Amp loads, (8) flash patterns, ground-side switching
650205	(2) 10 Amp loads, (10) flash patterns, high-side switching
FA3-SC	90 FPM, (2) 10 Amp loads, high-side switching

Intelli-Flash Flasher Chart

Model Number#	650201	650202	650205	FA3-SC
Vehicle Electrical System	12/24 VDC negative ground	12/24 VDC negative ground	12/24 VDC negative ground	12 VDC negative ground
Circuit Switching	Ground-Side	Ground-Side	High-Side	High-Side
Output Current/Channel	6 Amps	4 Amps	10 Amps	10 Amps
Number of Channels	Two	Four	Two	Two
Total Output Current Capacity	12 Amps	16 Amps	20 Amps	20 Amps
Connection	Wire Leads	Wire Leads	Screw Terminals	Wire Leads
Flash Patterns (Details on Instruction Sheets)	Eight	Eight	Ten	One -90/FPM
Operating Modes	Primary/Secondary	Primary/Secondary	Primary/Secondary	Primary
Outlet Switching	N/A	2 X 2	N/A	N/A
Recommended Applications	Police/Motorcycle	Police/Motorcycle/DOT	Command and Fire/Rescue	Variable
Physical Dimensions				
Length	4.0 in (10.2 cm)	4.0 in (10.2 cm)	5.1 in (13.0 cm)	2.5 in (6.4 cm)
Width	2.0 in (5.1 cm)	2.0 in (5.1 cm)	3.0 in (7.6 cm)	1.4 in (3.6 cm)
Height	0.5 in (1.3 cm)	1.0 in (1.3 cm)	1.2 in (3.1 cm)	1.3 in (3.3 cm)

Switch Controls

Accessories

Features

- Switching of up to seven auxiliary functions
- 20 Amps fuses and 20 Amps switches are standard
- Standard, high current slide switch and non-slide switch models available
- Backlit for LED function identification
- Easy installation
- Three-year warranty

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Applications

- Construction
- Material handling
- Tow & Recovery
- Utility



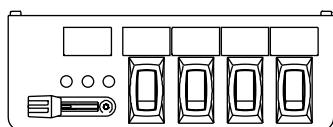
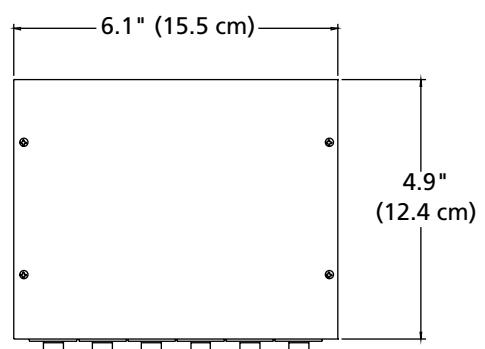
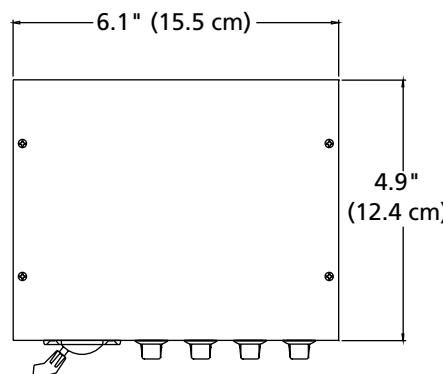
Model	Description
"SW" Switch Control Panel Models	
SW1	One rocker switch
SW2	Two rocker switch
670132	Three rocker switches
SW200-B	4-switch box with bail bracket
SW300-B	6-switch box with bail bracket
SW400-B	4-switch with slide switch box and bail bracket
SW30	SW30 Series, (3) 20 Amp toggle switches on "L" bracket housing
Toggle Switch Models	
210620SSG	Toggle switch, Black
210633SSG	Toggle switch, Chrome on metal
Accessories and Kits	
SW-BK1	Mount bracket for SW200-B
SW-BK	Mount bracket for SW300-B and SW400-B
210624SSG	Single-hole switch panel for use with 1/2" diameter toggle switches
Common Replacement Parts	
671512	Rocker switch, 20 Amp, illuminated
Z122374A	Slide-switch
Z122385B	Rocker switch, 20 Amp, on/off, illuminates, Red
Z124A058A	Kit, multiple legends, backlit



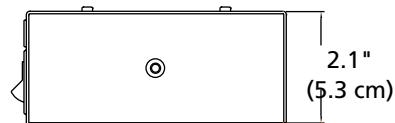
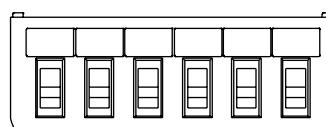
FEDERAL SIGNAL

Switch Controls

Accessories



SW400-B

2.1"
(5.3 cm)

SW300-B

Physical Specifications

	SW400	SW300	SW200
Height	2.1 in (5.3 cm)	2.1 in (5.3 cm)	2.1 in (5.3 cm)
Width	6.1 in (15.5 cm)	6.1 in (15.5 cm)	4.7 in (11.9 cm)
Depth	4.9 in (12.4 cm)	4.9 in (12.4 cm)	4.9 in (12.4 cm)
Ship Weight			
	3.0 lbs (1.4 kg)	3.0 lbs (1.4 kg)	2.5 lbs (1.1 kg)



SW-BK1



SW-BK



210624SSG

Mounting Bars | Accessories

Features

- Mounts any type of warning light, directional light or work light
- Accommodates mini-lightbars, as well as full-length lightbars
- Sliding carriage bolt design for ease of installation when mounting any lighting device
- Available for permanent mount or hook-on mount applications
- Available in 46", 54" and 65" lengths

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Applications

- Construction
- Material Handling
- Tow & Recovery
- Utility



Lightbar and mounting kit sold separately

Model	Description
210960-46	46", Roof mount bar
210960-54	54", Roof mount bar
210960-65	65", Roof mount bar
Accessories and Kits	
UNPK	Mounting kit, permanent
UNHK	Mounting kit, hook mount feet (requires use of hook kit)
HKB-(Model)	Hook required with hook-on mount, (specify vehicle)
210962SSG	Kit, mounting bar endcap (contains endcap and two screws)
210961SSG	Kit, mounting plate, beacon (mounts LED and halogen beacons and VisiBeams)
454219	Kit, roof mount bar (must be used when mounting HighLighter on a Roof Mounting bar)

NOTE

- See [page 9](#) for vehicle mount kits



FEDERAL SIGNAL

Replacement Lamps



Z8107141A

Lamp, rotator, vertical filament, 795X, 50W, bayonet



Z8107146C

Strobe tube, Fireball



Z8107152A

Bulb, H3 halogen, 55W 12 VDC



Z8107158A

Bulb, H3 halogen, 100W, 12VDC



Z8107165A

Bulb, 35W, G4, 12V, halogen, GH1F



Z8107169A

Bulb, GH8, Bi-pin alley/takedown light, 50W halogen



Z8107232A

Strobe tube assembly, 413250/GS1/GS1F



Z8107A027

Bulb, 4505, 50W, 24VDC, Model 14



Z8107A033

Bulb, 4416, 30W, Model 14



Z8107A119A

Bulb, alley/takedown light, horizontal filament, 50W bayonet



Z8440A265A-02

Bulb, Rotator, H1 vertical filament, long life, 12VDC



Z8444A151A

Bulb, H1, vertical filament, 70W halogen, 24VDC



Z8550250A

Lamp, Littlite, Bi-pin



211300-95

Replacement flash tube, Firebolt



Z8560082A

Strobe assembly, Highlighter Strobe



Z8573007A

Bulb, GH22 Bi-pin, SignalMaster, 27W halogen



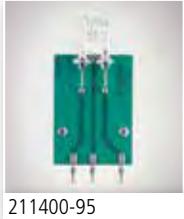
Z8575067A

Strobe tube and reflector assembly, GS2



211200-95

Replacement flash tube, Model 651/901



211400-95

Replacement flash tube, Model 851/951



413201-05

Strobe tube, Ricochet/Silver Series Clear with amp connector



439290-95

Replacement flash tube, 551 HD



439411-95

Replacement flash tube, 451 HD



462510

Strobe tube assembly, Renegade



602111-02/03/04

Corner strobe tube, Amber, Blue, or Red CS1



8107230A-95

Replacement flash tube, Model 401



602111-05

Corner strobe tube, Clear CS1

Lightbar Common Replacement Parts

Model	Description
Legend LPX Discrete, Legend LPX and Legend	
Z1751357A-02	RS485, 25-ft Interface cable assembly
Z1751364B	Cable, Interface, 36"
Z8583446E	Interface module with cable assembly
Z1751617A	LPX Discrete cable harness
Z8583020C-01	Gasket, dome, Clear, 6-ft required per base
Z8653100A	Base, end, Clear
Z8653101C	Dome, end, Clear; -02(Amber); -03(Blue); -04(Red)
Z8653102A	Base, center, Clear
Z8653103C	Dome, center, Clear; -02(Amber); -03(Blue); -04(Red)
Z8653134B	Hook mount kit
Z8653178-1	Flat mount kit, 12" lightbar length
Z8653178-2	Flat mount kit, 24" - 61" lightbar length
Z8653178-3	Flat mount kit, 70" lightbar length
Z8653168A	BP flat mount kit
Z8653134B-01	Permanent mount kit
Z865300732	Legend Series 2" riser mount kit, for use up to 61" lightbar length
500435SSG	Legend Series 4" riser mount kit, for use up to 61" lightbar length
FM-PM CITY	Flat mount kit for ProMaster City
PCLP266D-AAAKS	61" LPXD stock lightbar replacement board, Passenger-side Intermediate Board
PCLP266D-AAKAS	61" LPXD stock lightbar replacement board, Driver-side Intermediate Board
PCLP267D-AAAAS	61" LPXD stock lightbar replacement board, Center Board
PCLP265DD-AAAAMS	61" LPXD stock lightbar replacement board, Driver-side End Board
PCLP265DP-MAAAAS	61" LPXD stock lightbar replacement board, Passenger-side End Board
Navigator Serial and Discrete	
Z1751357A-02	RS485, 25-ft. Interface Cable Assembly
Z8583446E	Serial Interface Module with Cable Assembly
Z806501313-Color	4x3 LED QuadraFlare, Stationary
Z806500795-Color	6x4 LED QuadraFlare, Stationary
Z806501199-Color	7X3 LED QuadraFlare, Stationary
Z806501337-Color	LED SLR Rotator
Z806500523A	Dome, end, Clear; -A(Amber); -B(Blue); -R(Red)
Z806500524A	Middle Dome, Long, 13.75", Clear; -A(Amber); -B(Blue); -R(Red)
Z806500525A	Middle Dome, Short, 7.1", Clear; -A (Amber); -B(Blue); -R(Red)
Z806500735	End Cap, Clear; -A(Amber); -B(Blue); -R(Red)
Z806500526	Bulkhead, Black; -C(Clear)
Z8583020C-01	Gasket, dome, Clear, 6-ft required per base
Z8653134B	Hook mount kit
Z8653134B-01	Permanent mount kit
Z8653178-1	Flat mount kit, 10" and 18" lightbar length
Z8653178-2	Flat mount kit, 25"- 60" lengths
Z8653178-3	Flat mount kit, 73" length
Z8653168A	BP flat mount kit



Lightbar Common Replacement Parts

Model	Description
Z806501522-2	Navigator Series 4" riser mount kit, 10" - 60" lightbar length
Z806501522-4	Navigator Series 4" riser mount kit, 73" and 87" lightbar length
Integrity	
Z1751357A-02	RS485, 25 ft. interface cable assembly
Z865101904A	Power/ground cable harness
Z2005653A	Controller replacement board
Z864900652	44" dome service kit
Z864900653	51" dome service kit
Z8653134B	Hook mount kit
Z8653178-2	Flat mount kit for 44" and 51" lightbar lengths
Z8653134B-01	Permanent mount kit
Z864901329	Kit, search light mount
Valor	
Z2005653A	Controller replacement board
Z865100372A	44" dome service kit
Z86511003A	51" dome service kit
Z8651116A	Gasket, Top Dome Valor
Z1751357A-02	RS485, 25 ft. interface cable assembly
Z865101904A	Power/ground cable harness
Z86511156A	44" hook mount kit
Z86511157A	44" permanent mount kit
Z86511158A	51" hook mount kit
Z86511159A	51" permanent mount kit

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Flat mount
Z8653178-2



BP flat mount
Z8653168A



Permanent mount
Z8653134B-01



Hook mount
Z8653134B



4" riser mount - Legend
series 500435SSG



4" riser mount
Navigator series
Z806501522-2



Flat mount for
ProMaster City
FM-PM CITY

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Limited Warranty

Federal Signal - Public Safety Systems

LIMITED WARRANTY TERMS AND CONDITIONS

Effective July 1, 2016

Federal Signal Corporation, Public Safety Systems Division ("Federal Signal"), subject to the terms, conditions and exceptions contained herein, warrants each NEW product to be free from defects in material and workmanship, under normal use and service only, for a period of three (3) years [two (2) years for speakers] from the date of manufacture stamped on the product for replacement of parts and for a period of three (3) years [one (1) year for speakers] on factory labor from the date of delivery to the original user or purchaser of the product. Other exceptions to the foregoing Limited Warranty are contained on the Schedule of Products on the reverse side of this document.

SPECIFIC EXCLUSIONS AND EXCEPTIONS

This Limited Warranty does NOT apply nor is it extended to products that are not manufactured by Federal Signal. These products are covered by a separate limited warranty provided by the particular manufacturer and all claims and questions regarding the same are to be directed to the particular manufacturer. Domes, lenses, lamps and batteries installed on Federal Signal products are specifically excluded. Replacement of service boards and circuit boards under this warranty does NOT extend the initial term of the limited warranty. This limited warranty applies ONLY to the initial or first installation of the product on any vehicle, if applicable, and the removal of and/or remounting of the product to another vehicle during the initial term of this limited warranty shall void the same. This limited warranty shall not apply to products that have been subjected to neglect, abuse, misuse, improper installation, inadequate maintenance, damage due to improper use of cleaning or cleaning materials or chemicals, or service, repair or modification by or from any facility other than an authorized Federal Signal service center or technician.

During the aforesaid warranty period, Federal Signal will, at its sole option, repair or replace the product or particular parts that are found to be defective in either material or workmanship, and which is returned or delivered to Federal Signal, transport or shipping prepaid, to either Federal Signal or its designated and authorized warranty service center.

No person or affiliated company representative is authorized to alter the terms of this warranty, to give any other warranties, to extend the term or duration of this warranty, or to assume any other liability on behalf of Federal Signal in connection with the sale, servicing or repair of any product manufactured by the Federal Signal.

Federal Signal reserves the right to make design changes and improvements in its products without imposing any obligation upon itself to change or improve previously manufactured products.

The use in the product of any part other than parts approved by Federal Signal may invalidate this warranty. Federal Signal reserves the right to determine, in its sole discretion, if the use of non-approved parts invalidates this warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND FAILURE OF ITS ESSENTIAL PURPOSE.

UNDER NO CIRCUMSTANCES WILL FEDERAL SIGNAL BE LIABLE OR RESPONSIBLE FOR SPECIAL, COMPENSATORY, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES, AS WELL AS LOST PROFITS, LOST SALES, LOSS OF USE OR LOSS OF BUSINESS OPPORTUNITY BY OR THROUGH THE USE OF THE PRODUCT. FEDERAL SIGNAL'S SOLE AND MAXIMUM LIABILITY WITH RESPECT TO THE PRODUCT, OTHER THAN ITS OBLIGATIONS SET FORTH ABOVE, SHALL BE THE TOTAL PURCHASE PRICE PAID FOR THE PRODUCT.



Limited Warranty

Federal Signal – Public Safety Systems
LIMITED WARRANTY – schedule of products
Effective July 1, 2016

	Warranty Period for Parts replacement from the date of manufacture stamped on the product	Warranty period for Factory Labor from the date of delivery to the first user-purchaser
AUDIBLE		
Speakers	2 years	1 year
Platinum 3000 Series	5 years	5 years
LED PRODUCTS		
All LED (Light Emitting Diode) products unless otherwise noted	5 years	5 years
LED rotating light assemblies from all lightbars and beacons	5 years	5 years
MicroPulse LED lights	3 years	3 years
416200 Series Corner LEDs	3 years	3 years
416400/416410 Corner LEDs	5 years	5 years
416500 Series Corner LEDs	3 years	3 years
416800/416810 Corner LEDs	3 years	3 years
MB1 LED Message Board	3 years	3 years
STROBE PRODUCTS		
Strobe flash tubes	1 year	1 year
951 strobe beacons	5 years	1 year
651/851 strobe beacons	5 years	1 year
US5, US6, and US7 UltraStar	5 years	1 year
OTHER PRODUCTS		
Halogen Rotating Light assemblies from all lightbars	5 years	1 year
All halogen rotating beacons and mini-lightbars, except Sentinel	5 years	1 year
Littlite Map lights	5 year warranty on LED components Limited lifetime warranty on mechanical components	5 year warranty on LED components Limited lifetime warranty on mechanical components
SWM Interceptor Switch Modules	1 year	3 years
CAM Reverse Camera/Monitor Systems	3 years	3 years
Stinger Spike Systems	5 years	5 years
AIREL	3 years	3 years
PBX Series	3 years	3 years
HRX Series	3 years	3 years
PT Series	3 years	3 years
DOT Flasher	3 years	3 years
Note: Domes, lenses, lamps, and batteries are NOT covered under warranty.		

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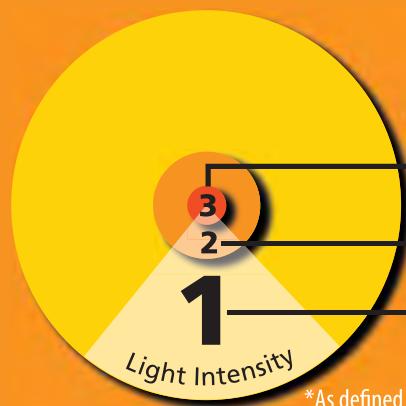
Work Zone defense

Safety signaling solutions from Federal Signal



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SAE Warning Light Classification*



- 3 Identification
10% of Class 1 light intensity
- 2 Blocking / Side of Road
25% of Class 1 light intensity
- 1 Responding / Calling for Right-of-Way

*As defined by the Society of Automotive Engineers (SAE) for vehicular warning.



Notes



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