

# Allegiant®

## Fire/EMS Light Bars

### FEATURES

- Low-profile, dual-color, linear light bar available in 45", 53", 61" and 70" lengths
- Models are available in 12/24 Vdc
- Top domes are available in Amber, Black, Blue, Clear, Gray and Red
- SpectraLux® LED reflector technology is configurable in combinations of Amber, Blue, Green, Red and White
- Configurable alley and takedown positions
- Solaris® LED reflector technology for better optical efficiency and superior off-axis warning
- FSJoin™ enables the synchronization and programming of light bars and exterior/interior lights that works in conjunction with the Pathfinder® Siren (serial models only)
- White LEDs can be utilized as takedowns and flood lighting
- ROC (Reliable Onboard Circuitry™) reduces potential failure points
- Auto dim option
- Optional built in SignalMaster™ directional warning
- [28] Built-in flash patterns
- Models available with FS Convergence Network for "plug-n-play" installation and programming
- Five-year warranty

### APPROVALS

- NFPA 1901
- SAE J845 Class 1 (Amber, Blue, Red, White)
- SAE J595 Class 1 (Amber, Blue, Red, White)
- GSA-KKK-A-1822F (Amber, Red, White)
- CCR Title 13 Class B (Amber, Blue, Red)
- IP65



The Allegiant light bar features a low-profile, linear design that provides a superior multi-color warning on vehicular applications. Designed to keep emergency personnel safe on the road, the Allegiant includes (28) high-performing, attention-getting flash patterns, built-in SignalMaster™, and impressive floodlight capabilities.

#### SpectraLux® Lights the Way

Exclusive to Federal Signal, the SpectraLux multi-color LED technology provides the ability for a LED light source to change color while in operation. In each module of the light bar, the LEDs can change through user-selected flash patterns between Amber, Blue, Red, and White (up to 2 in each module).



53" Allegiant light bar, Red LED Warning Lights and White LED Takedowns, all Red top domes

#### Patented Solaris and ROC (Reliable Onboard Circuitry™)

Built with Solaris® LED reflector technology, the Allegiant® light bar is engineered to significantly increase off-axis warning and maximize the LED light source to eliminate dark spots and increase visibility while on the road. ROC technology minimizes potential failure points in the light bar — replacing wires, connectors, and assemblies with PCB assemblies to reduce labor repair time and increase road time for law enforcement personnel.



#### FSJoin™

Programming is made easy with FSJoin in conjunction with Pathfinder® light/siren controller. Through the Convergence Network software, multiple warning devices can be programmed to synchronize to create a unified vehicle solution.

### FS TECHNOLOGIES



### Easy to Install and Operate

The Allegiant is available in traditional cable (discrete) and Convergence Network (serial) models. The discrete version features front/rear control, two modes of operation, and low power mode. Options including front flood, rear white lighting, bed light, and S/T/T are available. The serial models offer all the features and options of the discrete with additions of SignalMaster™ and cruise mode.

### Configurable to Fit Your Needs

There are multiple mounting options available for the Allegiant light bar, including permanent, flat, hook, and low hook. The Allegiant comes in standard lengths of 45", 53", 61", and 70", and LED modules color combinations can be custom configured to fit your needs of warning lights.

SPECIFICATIONS	LED Color					Lens Color				
	A	B	G	R	W	A	B	B	C	G
	ALGT21		ALGT45		ALGT53		ALGT61		ALGT70	
VOLTAGE	12-24 Vdc									
CURRENT DRAW @12 VDC	7 A		9 A		11 A		13 A		15 A	
CURRENT DRAW @24 VDC	N/A		5 A		6 A		7 A		8 A	
OPERATING TEMP.	-40° to 149° F (40° to 65° C)									
PHYSICAL SPECIFICATIONS LIGHT HEAD										
LENGTH	20.7 in (52.6 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 (28.5 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	1.8 in (4.6 cm)		2.0 in (5.1 cm)		2.0 in (5.1 cm)		2.0 in (5.1 cm)		2.0 in (5.1 cm)	
SHIP WEIGHT										
	16 lb (7.2 kg)		23.0 lb (10.4 kg)		26.6 lb (12.1 kg)		30.2 lb (13.7 kg)		33.8 lb (15.3 kg)	

\* Voltage, Current draw, and Amp draw based on a 50% flash rate for a fully populated light bar

### OPTIONS

	SINGLE-COLOR LED COUNT	DUAL-COLOR LED COUNT
WARNING FLOOD/TAKEDOWN REFLECTORS	6	12
ALLEY LIGHT REFLECTOR	3	6
CORNER REFLECTOR	12	24
SIGNALMASTER REFLECTORS	6	12

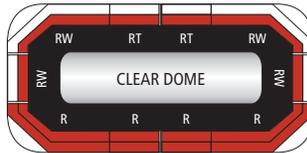


The Allegiant light bar can be serviced while on the rooftop, by removing a single dome and easily disconnecting the ROC board.

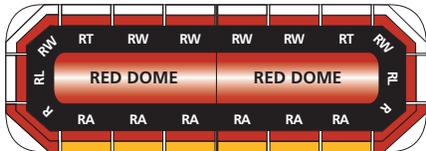
## HOW TO ORDER: SERIAL MODELS

ALL MODELS BELOW ARE 12 VDC. TO CONFIGURE A CUSTOM ALLEGIANT, VISIT THE FEDERAL SIGNAL ONLINE CONFIGURATOR

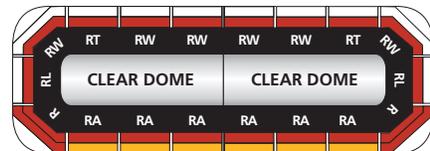
MODEL	LENGTH	WARNING LIGHT CAPABILITY	WHITE LED FLOOD LIGHTS	WHITE LED TD/ ALLEY LIGHTS	AMBER LED SIGNALMASTER	TOP DOME COLOR	MOUNT	SERIAL
ALGT21-FIRE1	21-inch	Red/White		Takedowns only		Clear	Low-Profile Permanent	
ALGT45J-F2HR	45-inch	Red/White	●	●	●	Red	Hook	
ALGT45J-F2HMR	45-inch	Red/White	●	●	●	Red	Hook	●
ALGT45J-F2HC	45-inch	Red/White	●	●	●	Clear	Hook	
ALGT45J-F2HMC	45-inch	Red/White	●	●	●	Clear	Hook	●
ALGT53J-F2HRC	53-inch	Red/White	●	●	●	Red/Clear/Red	Hook	
ALGT53J-F2HMRC	53-inch	Red/White	●	●	●	Red/Clear/Red	Hook	●
ALGT53J-F2HC	53-inch	Red/White	●	●	●	Clear	Hook	
ALGT53J-F2HMC	53-inch	Red/White	●	●	●	Clear	Hook	●



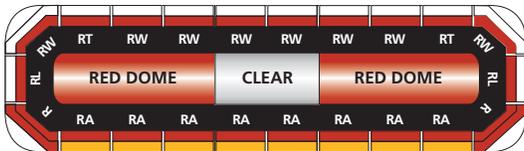
ALGT21-FIRE1 (without interface module, low-profile permanent mount)



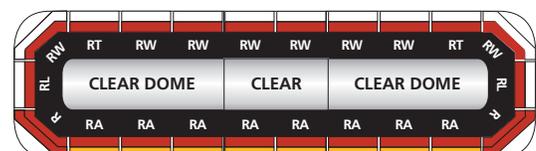
ALGT45J-F2HR (without interface module, hook mount)  
ALGT45J-F2HMR (with interface module, hook mount)



ALGT45J-F2HC (without interface module, hook mount)  
ALGT45J-F2HMC (with interface module, hook mount)



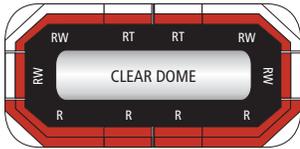
ALGT53J-F2HRC (without interface module, hook mount)  
ALGT53J-F2HMRC (with interface module, hook mount)



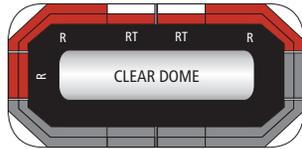
ALGT53J-F2HC (without interface module, hook mount)  
ALGT53J-F2HMC (with interface module, hook mount)

## HOW TO ORDER: DISCRETE MODELS

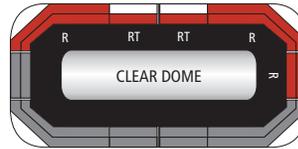
MODEL	LENGTH	WARNING LIGHT CAPABILITY	WHITE LED FLOOD LIGHTS	WHITE LED TD/ ALLEY LIGHTS	TOP DOME COLOR	MOUNT	DISCRETE
ALGT21D-FIRE1	21-inch	Red/White		Takedowns only	Clear	Low-Profile Permanent	●
ALGT21D-NFPA20D	21-inch	Red/White		Takedowns only	Clear	Low-Profile Permanent	●
ALGT21D-NFPA20P	21-inch	Red/White		Takedowns only	Clear	Low-Profile Permanent	●
ALGT21D-NFPA21	21-inch	Red/White		Takedowns only	Clear	Low-Profile Permanent	●
ALGT21D-NFPA22	21-inch	Red			Clear	Low-Profile Permanent	●
ALGT53D-NFPA2	53-inch	Red/White	●		Clear	Permanent	●
ALGT61D-NFPA2	61-inch	Red/White	●		Clear	Permanent	●
ALGT61D-NFPA1	61-inch	Red/White			Red	Permanent	●
ALGT70D-NFPA2	70-inch	Red/White	●		Clear	Flat	●



ALGT21D-FIRE1



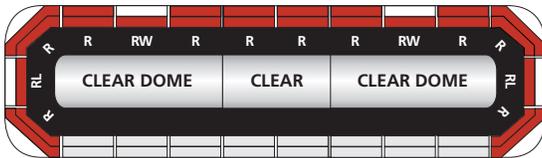
ALGT21D-NFPA20D



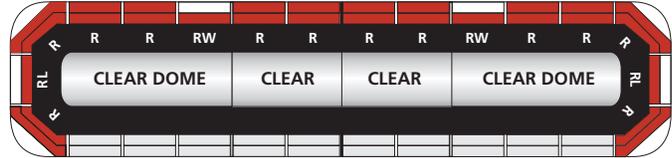
ALGT21D-NFPA20P



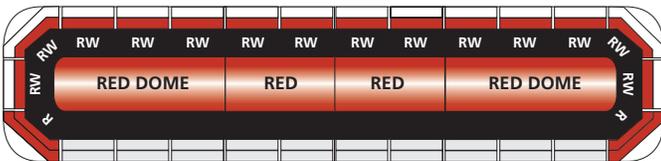
ALGT21D-NFPA22



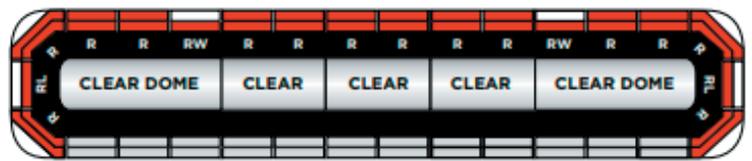
ALGT53D-NFPA2



ALGT61D-NFPA2



ALGT61D-NFPA1



ALGT70D-NFPA2



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