

AERO DYNAMIC[®] LIGHTBARS



The proven effectiveness of AeroDynamic[®] lightbars have made them the industry standard.

The AeroDynamic[®] lightbar with its unique custom flexibility and traditional design continues to be a leader in emergency lighting. The AeroDynamic brilliantly defines the parameters of your equipment, demanding attention from the vehicles in its path. The innovative AeroDynamic rotators and other various options provide you with maximum warning power for even the largest of specialty vehicles.

Ideal for a variety of emergency vehicles, the 48" and 52" AeroDynamics are available with or without speaker housings. The all light 72" AeroHawk[™] lightbar is ideal for front warning on custom fire apparatus.

The 48" and 52" models can be entirely customized from placement of rotators to the color and configuration of the domes. AeroDynamic options include takedown lights, alley lights, mirrors, front and rear flashers, three different rotators, and the innovative Meteor[™] traffic clearing light.

ROTATING LIGHTS (25ROT/25MED/25FAST)

Each rotator unit contains a 55-watt halogen bulb with

oversized reflector and its own individual motor for 80,000 candela of brilliant light output.

V MIRROR (25VMIR)

The V-mirror uses highly polished optics to minimize current draw while also providing distinctive flash patterns. In some base units, space is available to allow two V-mirrors to form a diamond shape for increased light output.

METEOR[™] TRAFFIC CLEARING LIGHT (TCLF25)

The Meteor[™] traffic clearing light provides crucial emergency warning in intersections. Its "M" pattern moves both horizontally and vertically in a 59' x 27' signalling area to command the attention of traffic in front of the emergency vehicle.

FLASHING LIGHTS (25FF/25RF)

The alternating flash option produces effective directional warning power which reinforces your primary warning lights. When mounted outboard, the perimeter of your emergency vehicle is clearly defined to oncoming traffic. The alternating flasher option includes (2) 35-watt halogen bulbs and a pair of Class B diffused reflectors. The reflectors

QUICK REFERENCE

FEATURES

- Custom design flexibility.
- Quality and reliability of a proven product.
- Field upgradeable.
- Ease of installation and service.
- Independent, motor-driven rotators.

APPLICATIONS

- Fire apparatus
- Emergency services vehicles
- Police vehicles

APPROVALS

- Rotators meet SAE J845
- Flashers meet SAE J595
- Some preselect models meet NFPA specifications for Upper Level warning
- CAL steady burn light meets CAC Class B

REPLACEMENT PARTS

Rotating Bulb	Z8440A265A-01
Flashing Bulb	Z8548A028A
Alley, Takedown, and TCL Bulbs	Z8107A119A
Domes	Contact factory

RELATED PRODUCTS

Vector[®] Lighting System
Bulletin #3117

VISTA[®] Lightbar
Bulletin #3131

AeroDynamic[®] Mini-Lightbar
Bulletin #4118

provide a wide beam spread that can easily be seen off axis. Federal's highly reliable FA3 flasher (included) produces 90 flashes per minute.

TAKEDOWN/WORK LIGHTS (25TD)

Each takedown/work light provides a burst of white light to illuminate the scene. The takedown/work light option includes (1) reflector with a 50-watt halogen bulb.

STEADY BURN (CALIFORNIA STEADY BURNING RED LIGHT) (25CAL)

The steady burn option, when used with a red lens, provides a steady red light to meet California Title 13 specifications. A diffused reflector and 50-watt halogen bulb are included.

ALLEY LIGHTS (25A)

This option provides excellent side lighting at the ends of the lightbar to focus on your target. A pair of reflectors with 50-watt halogen bulbs are included.

DOMES

AeroDync lightbars continue to feature the high-strength Lexan polycarbonate domes available in various colors: red, amber, blue, CIE blue, black, and clear. Choose your own color combination to meet your specific needs.

MOUNTING

Hook-on and permanent mounting kits are available. Refer to "How to Order" for model numbers and descriptions.

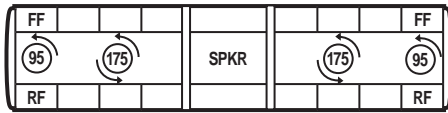
Classic in its design, the AeroDync is a traditional lightbar used in the emergency lighting industry for over 30 years. Constant improvements and innovations have made this quality, reliable lightbar a trademark in emergency lighting.

TECHNICAL SPECIFICATIONS					
Options	Description	Lamp Type	Watts	Current Draw	Flash Rate/min.
TCLF25	(1) Traffic Clearing Light	H	50	4.3	Osc.
25ROT	(1) Rotator Asy., Std.	H1	55	4.3	95
25MED	(1) Rotator Asy., Medium	H1	55	4.3	120
25FAST	(1) Rotator Asy., Fast	H1	55	4.3	175
25TD	(1) Takedown Light	H	50	4.3	--
25FF	(2) Flashing Lights, Front	H	35	5.6	90
25RF	(2) Flashing, Lights, Rear	H	35	5.6	90
25CAL	(1) Steady Burning (Red)	H	50	4.3	--
25A	(2) Alley Lights	H	50	8.6	--

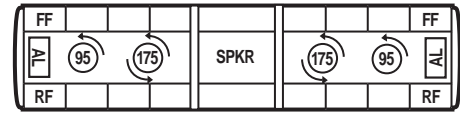


For custom fire apparatus, 22" AeroDync mini-lightbars perfectly complement full size AeroDync lightbars and provide superior warning power to the side zones of a vehicle. See bulletin #4118 for more information on AeroDync mini-lightbars.

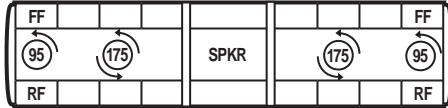
LIGHTBAR DIAGRAMS



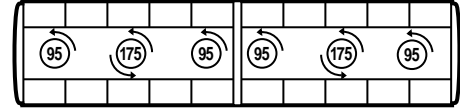
AD4811



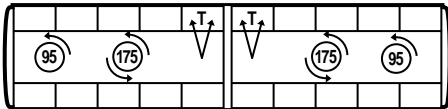
AD4812



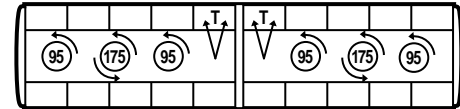
AD5211



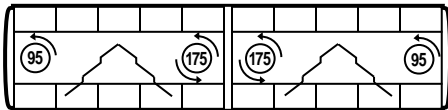
ADL5202



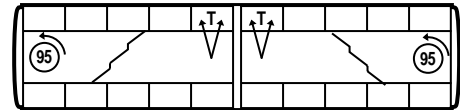
ADL5256



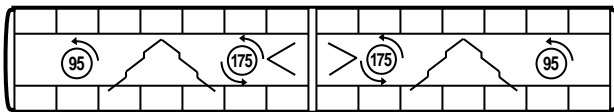
ADL5257



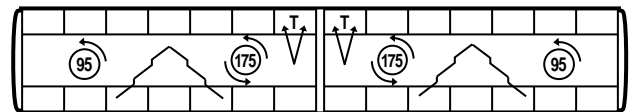
25RQL-FAST



25RQL-TCLF



AH1LC



AH2LC

Legend			
	95 FPM Rotator		Meteor TCL Light
	175 FPM Rotator		V-Mirror
FF	Front Flashing Light		Rear Flashing Light
	Alley Lights		Cascade Mirror
		SPKR	Speaker Housing

PRESELECT MODELS		
Model	Description	Current Draw
AD4811	48" w/spkr hsg, (2) 95 FPM and (2) 175 FPM rotators, (2) FF, (2) RF	28.4
AD4812	48" w/spkr hsg, (2) 95 FPM and (2) 175 FPM rotators, 2 alley lights, (2) RF, (2) FF	37.0
AD5211	52" w/spkr hsg, (2) 95 FPM and (2) 175 FPM rotators, (2) FF, (2) RF	28.4
ADL5202	52", (4) 95 FPM and (2) 175 FPM rotators	25.8
ADL5256	52", (2) 95 FPM and (2) 175 FPM rotators, (2) TCL	25.8
ADL5257	52", (4) 95 FPM and (2) 175 FPM rotators, (2) TCL	34.4
25RQL-FAST	52", (2) 95 FPM and (2) 175 FPM rotators, (4) cascade mirrors	17.2
25RQL-TCLF	52", (2) 95 FPM rotators, (2) TCL, (2) cascade mirrors	17.2
AH1LC	72", (2) 95 FPM and (2) 175 FPM rotators, (4) cascade mirrors, (2) V-mirrors	17.2
AH2LC	72", (2) 95 FPM and (2) 175 FPM rotators, (2) TCL, (4) cascade mirrors	25.8

DIMENSIONS										
Model	Description	Height		Width		Depth		Ship. Weight		
		in.	cm.	in.	cm.	in.	cm.	lbs.	kg.	
ADL4800	48" AeroDync, All Light	7.3	19.0	12.1	31.0	47.6	121	29.0	13.0	
ADL5200 / 25 Series	52" AeroDync, All Light	7.3	19.0	12.1	31.0	52.6	134	32.0	14.5	
AD4800	48" AeroDync, Spkr Hsg	7.3	19.0	12.1	31.0	47.6	121	32.0	14.5	
AD5200	52" AeroDync, Spkr Hsg	7.3	19.0	12.1	31.0	52.6	134	34.0	15.0	
AH Series	72" AeroHawk, All Light	7.3	19.0	12.1	31.0	72.0	183	38.0	17.3	

How To Order

1. Specify Preselect Model.

OR

1a. Select factory assembled options (below) for Specify all Options lightbars.

Specify all Options Base System:

AD4800 48" w/speaker housing

ADL4800 48" all light

AD5200 52" w/speaker housing

ADL5200 52" all light

Factory Installed Options:

25A (2) Alley lights

25CAL (1) California steady burn

25ROT (1) 95 FPM rotator

25MED (1) 120 FPM rotator

25FAST (1) 175 FPM rotator

25FF (2) Front flashing lights

25RF (2) Rear flashing lights

25TD (1) Takedown light (work light)

25VMIR (1) V-mirror

25TCLF (1) Meteor traffic clearing light

TS100-A (1) 100-Watt speaker

2. Specify dome combination and color. Specify alley light cutouts for lightbars with alley lights.

3. Specify mounting kit (purchase separately).

UNPK Permanent mount kit

UNHK Hook-on mounting kit



An ISO 9001 Certified Supplier

FEDERAL SIGNAL CORPORATION
Emergency Products

2645 Federal Signal Drive, University Park, IL 60466-3195
Tel.: (800) 264-3578 • Fax: (800) 682-8022
Web: www.fedsig.com

AeroDync, AeroHawk, Meteor, Vector, and VISTA are trademarks of Federal Signal Corporation.

©2001 Federal Signal Corporation