

## CUDA TRIOPTIC™ LED SIGNALMASTER™



*Low-profile design with high-output LED brightness.*

Federal Signal's high-intensity Cuda TriOptic™ LED SignalMaster™ uses advanced and proven LED light and lens technology to create brighter, more effective traffic advisors that can be mounted just about anywhere inside or outside any emergency vehicle.

### EFFECTIVE LIGHT OUTPUT

Federal Signal's Cuda TriOptic LED SignalMaster delivers dramatically bright light output with high-intensity, Luxeon LumiLed™ third generation TriOptic LEDs available in combinations of amber, red, and blue. These LumiLed LEDs are the brightest LEDs available, and are what allows the Cuda TriOptic SignalMaster to deliver the "punch" that you demand to communicate an effective warning signal to the public!

### RELIABLE

Cuda TriOptic LEDs are rated for a life span of over 100,000 hours! (A typical halogen bulb has a 2,500-5,000 hour life span). Federal Signal LED SignalMaster products all come with a 5-year

warranty, and meet SAE and CAC standards for light output and Radio Frequency Interference.

### LOW AMP DRAW

In addition to being extremely bright, LEDs also greatly reduce vehicle battery power consumption.

The Cuda TriOptic LED SignalMaster unit draws less than 5 Amps (6.3 Amps for the 44" model), which is much less (up to 60% less) than comparable strobe or halogen products!

### INTERNAL OR EXTERNAL MOUNTING

The Cuda TriOptic LED SignalMaster is the number one choice for flexible mounting options and durability. This directional arrow can be mounted inside or outside the emergency vehicle because it is encased in a sleek black anodized aluminum housing that is durable, water resistant, and corrosion free. The housing has four built-in channels (top, bottom and rear) for the ultimate in mounting flexibility. A variety of special mounting options are also available (see back page).



## QUICK REFERENCE

### FEATURES

- Superior TriOptic LED light intensity.
- Low Amp Draw.
- Sleek compact styling with stealth "no-show" appearance.
- Internal or external mounting.
- 4 built-in housing channels for internal or external mounting flexibility.
- Water/corrosion resistant black aluminum housing.
- Variety of specialty mounting brackets available.
- Meets SAE standards for RFI.
- Meets SAE/CAC standards for light output.

### APPLICATIONS

- Marked and Un-Marked Police Vehicles
- Fire Chief Command Vehicles
- Fire Apparatus
- "Slick-top" or "Stealth" Vehicles
- Parking or Traffic Enforcement
- Construction Details

### REPLACEMENT PARTS

1751145	Wire Harness
2005132-2	PCB Assy
8625102-33	Lens Cover (where applicable)
8625105	End Cap
8625108	Gasket
Z8625177-A	LED Module Assembly, Amber
Z8625177-B	LED Module Assembly, Blue
Z8625177-R	LED Module Assembly, Red

### APPROVALS

- SAE J595 Light Output
- SAE 113/41 RFI
- CAC Title 13, Article 22
- FCC Part 15

### RELATED PRODUCTS

- SmartSiren™ Electronic Siren and Light Control System  
Bulletin #5113
- SignalMaster™  
Bulletin #3114
- Intelli-Flash™ Series  
Bulletin #3302

**HOW TO ORDER**

1. Specify Cuda TriOptic model desired.

**A. Low Profile (horizontal) Models (6-head):**

- 328001 34", 6-head (54 LEDs), all amber directional arrow
- 328002 34", 6-head (54 LEDs), directional arrow with red and blue ends

**B. Low Profile (horizontal) Models (8-head):**

- 328180 44", 8-head (72 LEDs), all amber directional arrow
- 328181 44", 8-head (72 LEDs), directional arrow with red and blue ends

2. Order Signal Master control unit (if necessary).

- 330102 (SMC1) Economy SignalMaster Control (44" Units)
- 330132 (SMC16) Economy SignalMaster Control (34" Units)
- 331102 (SMC5) Deluxe SignalMaster Control (44" Units)
- 331112 (SMC56) Deluxe SignalMaster Control (34" Units)

3. Order SignalMaster mount system (if necessary).

- 350601 6-head rear window headliner mount kit, '02-'03 Crown Vic
- 350602 6 or 8-head rear deck mount kit, '02-'03 Crown Vic
- 350603 6 or 8-head rear deck mount kit, '03 Impala
- 320340 (SML-UM) Universal vehicle mount kit
- 320330 (SML-SM) Standard system mount kit
- 320310 (SML-FM) Flush mount kit

DIMENSIONS								
Model	Height		Length		Width		Ship. Weight	
	in.	cm.	in.	cm.	in.	cm.	lbs.	kg.
33"	1.8	4.6	33.5	85.1	1.5	3.8	4.2	1.9
44"	1.8	4.6	44.5	113.0	1.5	3.8	5.6	2.5

SPECIFICATIONS	
Volts .....	12.8 VDC
<b>Current Draw: 33" Model</b>	<b>Current Draw 44" Model</b>
6 Module Amber SignalMaster™ .....	8 Module Amber SignalMaster™ .....
4.68 amps	6.24 amps
1 Red/4 Amber/1 Blue SignalMaster .....	1 Red/6 Amber/1 Blue SignalMaster .....
4.95 amps	6.51 amps
Operating Temperature .....	Operating Temperature .....
-30°C to 65°C	-30°C to 65°C



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