



# **TECHNICAL SPECIFICATIONS AND LITERATURE**

**MAGNUM AND NFORCE LIGHTBAR**  
**Technical Specification and Literature**

See following pages





## Exterior Full Size LED Lightbar

**THINK  
NEW**

**FUSION**  
Technology



#EMG2000

### Features

- 6 LED inboard modules deliver Fusion Boost technology for extreme brightness
- 3 LED inboard modules designed with a new TurboOptic to deliver maximum intensity at an affordable price
- 6 or 12 LED corner modules
- Low profile design
- Cruise mode option
- Optimal rear stop/turn modules available
- Replaceable outer Lens
- Dimming capability



1.800.338.7337

LIGHTBARS

www.soundoffsignal.com





Amber, Blue and Red

## TECHNICAL SPECIFICATIONS

### FLASH PATTERNS

Standard Warning	21 flash patterns
LED Take Down & Alley Lights	5 flash patterns
Take Down/Work Lights	5 flash patterns
Arrow Left, Center & Arrow Right	4 flash patterns
Arrow Warning	Solid Arrow: 9 Warning, Split Arrow: 17 Warning

### VOLTAGE

### CURRENT DRAW @ 12.8 VDC

Inboard/Warning Module	Flashing: 0.5 Amps / Steady on: 1.0 Amps
Corner	Flashing: 0.8 Amps / Steady on: 1.6 Amps
Alley Light	Flashing: 0.21 Amps / Steady on: 0.42 Amps
Take Down Light	LED: 3 / Steady on: 0.42 / Flashing: 0.21 LED: 6 / Steady on: 0.84 / Flashing: 0.42 LED: 9 / Steady on: 1.26 / Flashing: 0.63

### TECHNOLOGY

Inboard Module	3 or 6 Gen3 LEDs
Corner/End Module	6 or 12 Gen3 LEDs
Alley Light	3 LED
Take Down Light	3, 6, or 9 LED Modules

### OPERATING TEMPERATURE

	-40° to +65° C / -40° to +149° F
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### LENGTHS

	23" (58.4 cm), 35.5" (90.2cm), 42" (106 cm), 48" (12.9 cm), 54" (137 cm), 73" (185.4 cm), 73" (185.4 cm)
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### HEIGHT

All Lengths	2.3" (5.8 cm)
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### DEPTH

All Lengths	12.3 (31.2 cm)
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### WARRANTY

	Five-year
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### OPTIONS

Mounts	Headache and Low Profile Fixed Bracket
Rear Split Arrow	Available with 6 or 12 LED Dual Color Modules

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THINK new Smart Design.

September 2013



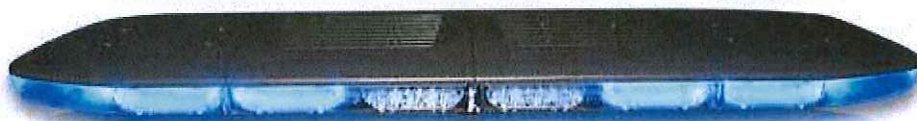
## Exterior Lightbar The Next Generation

Introducing the nFORCE® lightbar.  
An innovative solution that combines  
next generation design with attention  
grabbing performance.

Gone is the boxy police car design  
of yesterday. Say hello to the bold  
new looks of today's police vehicles.  
With its minimized size, aerodynamic  
design and accentuated shapes,  
nFORCE® took its visual cue from the  
sleek appearance and body styles of  
today's new police vehicles.

We know that getting home safely to  
your family is what is most important  
to you. That's why nFORCE® delivers  
much more than great looks.

Nexus Technology provides powerful  
forward facing and off-axis  
illumination to optimize traffic control  
while keeping you safe and secure.



#ENFLBS



### Features

- Inboard LED module options: any combination of single color 6 or 9 LED, dual color 12 LED or tri-color 18 LED counts
- Corner LED module options: any combination of single color 12 or 18 LED, dual color 24 LED or tri-color 30 LED counts
- Front or rear steady-burn inboard modules
- "All white" forward facing modules option for intense forward and left/right scene lighting
- 6 LED Take Downs, 3 LED Alley Lights standard
- Manual dimming capability for nighttime use
- Cruise mode
- Ability to shut down complete front or rear inboard and select corner modules
- Rear arrow option
- Available in 24", 36", 42", 48", 54", 60" and 72" lengths
- Windows PC App software for ease of programming and RJ45 connector with SoundOff® Signal sirens

### Technical Specifications (see page 2)



3900 Central Parkway | Hudsonville, MI 49426  
Telephone: 800.338.7337 | Order fax: 616.896.1286  
www.soundoffsignal.com

### nFORCE® Exterior Lightbar Technical Specifications

Input Voltage Range	10-16Vdc	24-30Vdc
Number of LEDs and Current Draw (Peak/Average)	Max 500mA for each 3LED bank. <b>Inboard Module:</b> 6 LED Single Color: < 1.0A @ 12.8Vdc 9 LED Single Color: < 1.5A @ 12.8Vdc 12 LED Dual Color: < 1.0A @ 12.8Vdc 18 LED Tri-Color: < 1.0A @ 12.8Vdc <b>Corner Module:</b> 12 LED Single Color: < 2.0A @ 12.8Vdc 18 LED Single Color: < 3.0A @ 12.8Vdc 24 LED Dual Color: < 2.0A @ 12.8Vdc 30 LED Tri Color: < 2.0A @ 12.8Vdc <b>Takedown:</b> 6 LED Takedown: < 1.0A @ 12.8Vdc <b>Alley:</b> 3LED Alley: < 0.5A @ 12.8Vdc	Future
Number of LEDs and Wattage (Average)	<b>Inboard Module:</b> 6 LED Single Color: < 6.4W @ 12.8Vdc 9 LED Single Color: < 9.6W @ 12.8Vdc 12 LED Dual Color: < 6.4W @ 12.8Vdc 18 LED Tri-Color: < 6.4W @ 12.8Vdc <b>Corner Module:</b> 12 LED Single Color: < 12.8W @ 12.8Vdc 18 LED Single Color: < 19.2W @ 12.8Vdc 24 LED Dual Color: < 12.8W @ 12.8Vdc 30 LED Tri Color: < 12.8W @ 12.8Vdc <b>Takedown:</b> 6 LED Takedown: < 12.8W (steady ON) @ 12.8Vdc <b>Alley:</b> 3LED Alley: < 6.4W (steady ON) @ 12.8Vdc	Future
Flash Patterns	<b>Warning:</b> 32, <b>Takedown/Alley:</b> 15 and <b>Arrow L/C/R:</b> 6	
Operating Temperature	-40°C to +65°C	
Mounting	Standard hook bracket mount with angle adjustment wedges Headache rack mount Permanent mount Magnetic mount (24" version only)	
Dimensions	<b>Lengths:</b> 24", 36", 42", 48", 54", 60" and 72" <b>Depth:</b> 12" <b>Height:</b> 2.55" (bar only)	
Warranty	5-year	
Certifications	SAE J845, J575	

For additional information and for an order form for the nFORCE® Exterior Lightbar, visit [www.soundoffsignal.com](http://www.soundoffsignal.com), select products, lightbars then nFORCE® lightbar.



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