



SoundOff
Signal |||||®

2021 PRODUCT CATALOG



At SoundOff Signal, it may be our advanced-tech products that get us noticed by fleets. But, it's the way we thread innovation into everything we do – including how we treat people – that earns their trust.

2021 PRODUCT CATALOG Quick Reference

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The same work ethic we put into our lighting and control systems goes into each and every relationship we have. While we respect technology, we have a long history of earning trust the old-fashioned way – through honest, fair, and consistent actions. Customers have worked with us for decades and it's because we work hard for them. Every. Single. Day.

We invite you to check out our product catalog for a taste of what we offer, but reach out and let's talk. That's where we really shine.

mpower® Exterior Full Size Lightbar



Four and Six Inch Modules (six inch module shown)

EMPLB

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- At only one inch thick, mpower is fifty percent thinner than its leading competitors
- Silicone molded one-piece housing and optic design delivers advantages over conventional polycarbonate lenses:
 - A smaller footprint with maximized candela output
 - Greater resistance to gravel pitting, scratching or cracking
 - Improved sealing to prevent water from entering light
 - Higher UV and thermal stability to prevent lens from yellowing over time

INPUT VOLTAGE RANGE	9-16 Vdc	
NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC		
Inboard Warning Module	<1 Amp	
Corner Module	<1.9 Amp (Two 3" mpower modules)	
Alley	<1 Amp	
NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC		
	Four Inch Module	Six Inch Module
Inboard Warning Module	<5.9 Watts	<7.7 Watts
Corner Module	<11.6 Watts (Two 3" mpower modules)	<11.6 Watts (Two 3" mpower modules)
Alley	<5.9 Watts	<5.9 Watts
FLASH PATTERNS		
Warning	66	
Takedown/Alley	25	
Arrow L/C/R	11	
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F	
STANDBY CURRENT @ 12.8 VDC	<10mA	
DIMENSIONS	Four Inch Module	Six Inch Module
Lengths	8 Module: 44.2" (112 cm)	5 Module: 42" (107 cm)
	9 Module: 48.2" (112 cm)	6 Module: 48.4" (122 cm)
	10 Module: 52.7" (134 cm)	7 Module: 54.8" (139 cm)
Height	All modules: 1.1" (2.7 cm)	All modules: 1.1" (2.7 cm)
Depth	All modules: 10.6" (27 cm)	All modules: 10.6" (27 cm)
MOUNTS	Standard hook bracket mount with angle adjustment wedge Headache rack mount	
CERTIFICATIONS	SAE J595 and J845 Class 1 certified (red, blue, amber and white) CA Title 13 Class B certified (red, blue and amber) ECE R65 Cat T, Class 2 certified (red, blue and amber) EMC/ECE R10-5 certified	
WARRANTY	Five-year (ten-year on UV lens discoloration)	



mpower Lightbar Application Photos



LIGHTBARS

Exterior Full Size Lightbar



ENFLB

Features

- Modules can be configured as single, dual or tricolor for maximum functionality
- Inboard modules are available in single color 6 or 9 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Corner modules are offered in single color 12 or 18 LEDs, dual color 24 LEDs or tricolor 30 LEDs

INPUT VOLTAGE RANGE	9-16 Vdc
NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC	
Inboard Warning Modules	6 LED Single Color: <1.0 Amp; 9 LED Single Color: <1.5 Amp; 12 LED Dual Color: <1.0 Amp or 18 LED Tricolor: <1.0 Amp
Corner Modules	12 LED Single Color: <2.0 Amp; 18 LED Single Color: <3.0 Amp; 24 LED Dual Color: <2.0 Amp or 30 LED Tricolor: <2.0 Amp
Takedown	6 LED Single Color: <1.0 Amp
Alley	3 LED Single Color: <0.5 Amp
NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC	
Inboard Warning Modules	6 LED Single Color: <6.4 Watts; 9 LED Single Color: <9.6 Watts; 12 LED Dual Color: <6.4 Watts or 18 LED Tricolor: <6.4 Watts
Corner Modules	12 LED Single Color: <12.8 Watts; 18 LED Single Color: <19.2 Watts; 24 LED Dual Color: <12.8 Watts or 30 LED Tricolor: <12.8 Watts
Takedown	6 LED: <12.8 Watts
Alley	3 LED: <6.4 Watts
FLASH PATTERNS	
Warning	66
Takedown/Alley	25
Arrow L/C/R	11
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
DIMENSIONS	
Lengths	2 Module: 24" (61 cm); 4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm); 8 Module: 60" (152 cm) or 10 Module: 72" (183 cm)
Height	All modules: 2.55" (6.5 cm)
Depth	All modules: 12" (31 cm)
MOUNTS	Standard hook kit mount with angle adjustment wedge Headache rack mount
CERTIFICATIONS	SAE J845/J595 Class 1 certified and California Title 13, Class B certified ECE R65 Category T, Class 2 certified (red or blue) and EMC/ECE R10-4 certified
WARRANTY	Five-year

ACCESSORIES

Lightbar sold separately.

Auto Dim Retrofit Kit

Includes auto dim sensor board, harnesses, mounting hardware and top cover

Blue

Graphite

Red

Amber Lexan Cover

PNFLBTRDRLBL

PNFLBTRDRLGY

PNFLBTRDRLRD

PNFLBTRDRLYL

Retrofit Solar Panel Kit

Not available for the 24 inch lightbar

Blue

Gray

Red

Yellow

PNFLBTSGLBL

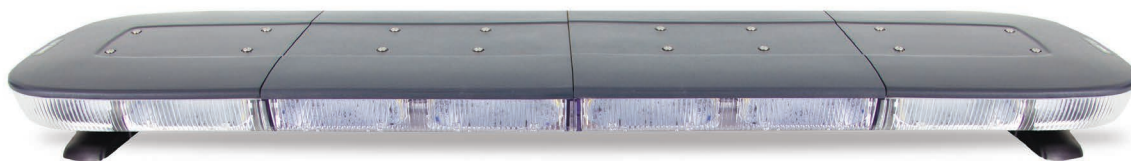
PNFLBTSGLGY

PNFLBTSGLRD

PNFLBTSGLYL



nFORCE[®] *nxt* Exterior Full Size Lightbar NEXUS TECHNOLOGY



ENNLB

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Modules can be configured as single, dual or tricolor for maximum functionality
- Inboard modules are available in single color 6 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Corner modules are offered in single color 12 LEDs, dual color 24 or 36 LEDs
- Available with tricolor alleys
- Alley modules are offered in single color 3 LEDs, dual color 6 LEDs or tricolor 9 LEDs

INPUT VOLTAGE RANGE 10-32 Vdc

NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC

Inboard Warning Modules	6 LED Single Color: <1.0 Amp; 12 LED Dual Color: <1.0 Amp or 18 LED Tricolor: <1.0 Amp
Corner Modules	12 LED Single Color: <2.0 Amp; 24 LED Dual Color: <2.0 Amp or 36 LED Tricolor: <2.0 Amp
Takedown	6 LED Single Color: 1.0 Amp
Alley	3 LED Single Color: <0.6 Amp; 6 LED Dual Color: <0.6 Amp or 9 LED Tricolor: <0.6 Amp

NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC

Inboard Warning Modules	6 LED Single Color: <6.4 Watts; 12 LED Dual Color: <6.4 Watts or 18 LED Tricolor: <6.4 Watts
Corner Modules	12 LED Single Color: <12.8 Watts; 24 LED Dual Color: <12.8 Watts or 36 LED Tricolor: <12.8 Watts
Takedown	6 LED: 12.8 Watts
Alley	3 LED Single Color: <3.2 Watts; 6 LED Dual Color: <3.2 Watts or 9 LED Tricolor: 3.2 Watts

FLASH PATTERNS

Warning	66
Takedown/Alley	25
Arrow L/C/R	11

OPERATING TEMPERATURE -40° C to +65° C / -40° F to +149° F

DIMENSIONS

Lengths	2 Module: 24" (61 cm); 4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm); 8 Module: 60" (152 cm) or 10 Module: 72" (183 cm)
Height	2.24" (5.69 cm)
Depth	12" (31 cm)

MOUNTS	Standard hook kit mount with angle adjustment wedge Headache rack mount
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CERTIFICATIONS SAE J845/J595 Class 1 certified and California Title 13, Class B certified

WARRANTY Five-year



Exterior Full Size Lightbar



EPL9000

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Fusion Technology, the optic is designed like a lighthouse to boost the light farther and wider for a brighter, safer warning signal
- Streamlined, modular design is easy to maintain with field replaceable modules that are easily upgradeable
- Clear or color lenses in blue, red or amber
- 6 or 12 LED dual color arrow option available
- Dimming capability

INPUT VOLTAGE RANGE	10-16 Vdc
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NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC

Inboard Warning Modules	6 LED Single Color: <1.0 Amp 12 LED Dual Color: <1.0 Amp
Corner Module	12 LED Single Color: <2.0 Amp
Takedown	6 LED: <1.0 Amp
Alley	1 LED: <0.5 Amp

NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC

Inboard Warning Modules	6 LED Single Color: <6.4 Watts 12 LED Dual Color: <6.4 Watts
Corner Module	12 LED Single Color: <12.8 Watts
Takedown	6 LED: <12.8 Watts
Alley	1 LED: <6.4 Watts

FLASH PATTERNS

Warning	21
Takedown	5
Alley	5
Arrow L/C/R	4
Arrow Warning	Solid 9 or Split 17

OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
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DIMENSIONS

Lengths	4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm); 8 Module: 60" (152 cm) or 9 Module: 72" (183 cm)
Height	All modules: Inboard: 1.75" (4.45 cm) and corner: 2.5" (6.35 cm)
Depth	All modules: 10" (25 cm)

MOUNTS

Adjustable mount
Headache mount
Low profile fixed mount

CERTIFICATIONS

SAE J845 and J595 Class 1 certified
Article 22, CA Title 13 certified

WARRANTY

Five-year

nFUSE[®] Exterior Full Size Lightbar



ENFLB

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

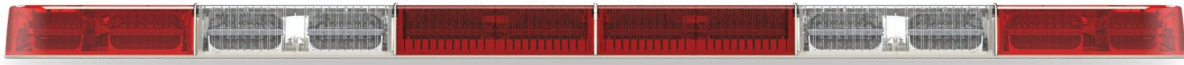
Features

- A slim profile, available in lengths from 36 to 72 inches
- nFUSE xl is available in lengths from 24 to 72 inches
- Modules can be configured as single or dual color
- Lightbars with dual color modules that include white LEDs can provide a full 360 degrees of bright scene lighting
- Replaceable outer lens available in clear, amber, red or blue
- Arrow control modules can be combined with warning colors for maximum functionality
- Windows-based PC application to simplify programming, enhance configurability and control
- Over 50 flash patterns, including cruise mode, takedown and alley (when properly configured) and R/L/C arrow (when properly configured)
- Auto dimming

INPUT VOLTAGE RANGE	9-32 Vdc
OPERATING TEMPERATURE	-40° C to + 65° C / -40° F to + 149° F
DIMENSIONS	
Lengths	14 Module: 36" (91.4 cm) 16 Module: 42" (106.7 cm) 18 Module: 48" (121.9 cm) 20 Module: 54" (137.2 cm) 22 Module: 60" (152.4 cm) 26 Module: 72" (182.8 cm)
MOUNTS	Standard hook bracket mount with wide angle adjustments Headache rack mount
CERTIFICATIONS	SAE J845/J595 Class 1 certified CA Title 13, Class B certified NFPA Compliant
WARRANTY	Five-year

NFLSE[®] xl Exterior Full Size Lightbar

Coming Soon!



● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Available in lengths from 24 to 72 inches
- Modules can be configured as single or dual color
- Lightbars with dual color modules that include white LEDs can provide a full 360 degrees of bright scene lighting
- Replaceable outer lens available in clear, amber, red or blue
- Arrow control modules can be combined with warning colors for maximum functionality
- Windows-based PC application to simplify programming, enhance configurability and control
- Over 50 flash patterns, including cruise mode, takedown and alley (when properly configured) and R/L/C arrow (when properly configured)
- Auto dimming

INPUT VOLTAGE RANGE	9-32 Vdc
OPERATING TEMPERATURE	-40° C to + 65° C / -40° F to + 149° F
DIMENSIONS	
Lengths	20 Modules: 24" (61.0 cm) 28 Modules: 36" (91.4 cm) 32 Modules: 42" (106.7 cm) 36 Modules: 48" (121.9 cm) 40 Modules: 54" (137.2 cm) 44 Modules: 60" (152.4 cm) 52 Modules: 72" (182.8 cm)
MOUNTS	Standard hook bracket mount with wide angle adjustments Headache rack mount
CERTIFICATIONS	SAE J845/J595 Class 1 certified CA Title 13, Class B certified NFPA Compliant
WARRANTY	Five-year

Contact your sales representative regarding product availability.



Universal, 3 Module

Split, Two-piece

ENFWBFS

Adjustable plate enables lightbar to fit any windshield.



4 Module

Split, Two-piece (shown)

ENFWBFS

Full, One-piece

ENFWBFF

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Modules are offered in single color 6 or 9 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Windows-based PC application simplified programming and enhances configurability and control
- User configurable options include cruise mode, nighttime manual dimming, 34 programmable flash patterns and steady burn
- Direct connect option is available with single or dual color lightbars
 - The lightbar simplifies installation by eliminating the breakout box and connecting activation wires directly to the lightbar
- Takedown modules can be designated anywhere
- Universal model with adjustable mounting brackets accommodate most windshield angles for even broader vehicle compatibility
- Vehicle-specific shrouds available
- Easy connection with CAT5 from breakout box to light/siren controller

INPUT VOLTAGE RANGE	10-16 Vdc	
NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC		
LED Modules	6 LED Single Color: <1.0 Amp; 9 LED Single Color: <1.5 Amps; 12 LED Dual Color: <1.0 Amp or 18 Tricolor: <1.0 Amp	
NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC		
Inboard Warning Modules	6 LED Single Color: <6.4 Watts; 9 LED Single Color: < 9.6 Watts; 12 LED Color: < 6.4 Watts or 18 LED Tricolor: < 6.4 Watts	
Takedown	6 LED: <12.8 Watts (interior windshield)	
Work Light	8 <12.8 Watts (interior rear deck; 3 module only)	
FLASH PATTERNS		
Warning	34	
Arrow L/C/R	8	
OPERATING TEMPERATURE -40° C to +65° C / -40° F to +149° F		
DIMENSIONS		
	3 Module	4 Module
Length	14.3" (36 cm)	20" (51 cm)
Height	1" (2.5 cm)	1" (2.5 cm)
Depth	5" to 7.5" (12.7 cm to 19 cm) each side adjustable 7.5" (19 cm) (universal, each side)	
WARRANTY	Five-year	

mpower® Grid Light



1x1 Single Stack EMPGL



2x2 Single Stack EMPGL



1x1 Dual Stack EMPGL



2x2 Dual Stack EMPGL

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Single, dual and tricolor capabilities
- Silicone molded optic design delivers advantages over conventional polycarbonate lenses
- Multiple mounting options: permanent, pipe, magnetic and mirror mounts
- Ability to spec 4-16 modules with single and dual stacked options
- Rugged construction with non-corrosive aluminum top/bottom and durable rubber corners
- Available in silver or black housing
- Current 3-wire four inch mpower lightbar module variants
- Synchronizes with other sync 2 products
- Secondary flash or steady burn options
- Environmentally-safe materials which allow disassembly after useable life; may be recycled
- Wire exit is located through the bottom, rear of the light
- Ability to spec blank modules

INPUT VOLTAGE RANGE	9-32 Vdc			
FLASH PATTERNS				
Single, Dual and Tricolor	Quint (SAE); Warp, Inter-Cycle; Double (SAE); Quad; Power Pulse; Road Runner (SAE/CaXIII); Q-Switch (SAE); Steady Burn + Flash; Roadrunner; Steady Burn + Flash; Quad; Quad 2 and Double 2			
Dual and Tricolor	Random 1 and Random 2			
OPERATING TEMPERATURE	-40° C to +85° C, thermal fold back may begin at temperatures above +50C ambient			
CIRCUIT PROTECTION	Reverse polarity, transient voltage and high temperature and over-voltage			
DIMENSIONS	1x1 Single Stack	1x1 Dual Stack	2x2 Single Stack	2x2 Dual Stack
Lengths	7.46" (19 cm)	7.46" (19 cm)	11.71" (29.74 cm)	11.71" (29.74 cm)
Height	1.5" (3.8 cm)	2.4" (6.1 cm)	1.5" (3.8 cm)	2.4" (6.1 cm)
MOUNTS	Combo mount			
Mirror	Combo or flat mount			
Magnetic	Dual or quad mount			
CERTIFICATIONS	SAE J595 Class 1 certified SAE J845 Class 2 certified CA Title 13 certified NFPA compliant			
WARRANTY	Five-year (ten-year on UV lens discoloration)			

nROADS® Fleet Series Exterior Full Size Lightbar



ENRLB

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Modules can be configured as single or dual color, single color feature direct connect and dual color utilize Windows-based PC application to simplify programming and enhance configurability and control
- Inboard and corner modules are offered in single color LED modules, single color LED max modules, dual color LED modules or dual color LED max modules
- Arrow control modules can be combined with warning colors for maximum functionality
- Includes cruise mode, low power mode and two front and rear control modes (direct connect)
- Takedowns, work light and stop/tail/turn modules are optional

INPUT VOLTAGE RANGE	10-16 Vdc
NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC	
Inboard Warning Modules	Single Color, LED modules: <.4 Amp; LED max modules: <.6 Amp Dual Color, LED modules: <.4 Amp; LED max modules: <.6 Amp
Corner Modules	Single Color, LED modules: <.6 Amp; LED max modules: <.8 Amp Dual Color, LED modules: <.6 Amp or LED max modules: <.8 Amp
Takedown	<.4 Amp
Alley	<.5 Amp
NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 Vdc	
Inboard Warning Modules	Single Color, LED modules: <2.6 Watts; LED max modules: <3.8 Watts Dual Color, LED modules: <2.6 Watts; LED max modules: <3.8 Watts
Corner Modules	Single Color, LED modules: <3.8 Watts; LED max modules: <5.1 Watts Dual Color, LED modules: <3.8 Watts; LED max modules: <5.1 Watts
Takedown	<5.1 Watts
Alley	<6.4 Watts
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
STANDBY CURRENT	@ 35 Degrees C: <0.1 mA
DIMENSIONS	
Lengths	4 Module: 36" (91 cm); 5 Module: 42" (107 cm); 6 Module: 48" (122 cm); 7 Module: 54" (137 cm) or 8 Module: 60" (152 cm)
Height	All modules: 2.55" (6.5 cm)
Depth	All modules: 12" (31 cm)
MOUNTS	Standard Hook Bracket mount with angle adjustment wedges Headache Rack mount
CERTIFICATIONS	SAE J845/J595 Class 1 certified California Title 13, Class B certified
WARRANTY	Five-year

ACCESSORIES Lightbar sold separately.

Auto Dim Retrofit Kit

Includes auto dim sensor board, harnesses, mounting hardware and top cover

Blue	PNFLBTRDRLBL
Graphite	PNFLBTRDRLCGY
Red	PNFLBTRDRRLRD
Amber Lexan Cover	PNFLBTRDRLYL

Retrofit Solar Panel Kit

Not available for the 24 inch lightbar

Blue	PNFLBTSGLLBL
Gray	PNFLBTSGLGLGY
Red	PNFLBTSGLGLRD
Yellow	PNFLBTSGLGLYL

nROADS Fleet Series Exterior Lightbar Connect-n-Go System

nROADS Fleet Series Connect-n-Go system streamlines installation and saves you money!
This pre-programmed lighting system includes an nROADS Fleet Series exterior lightbar, handheld remote controller and the choice of four, two or zero mpower® Fascia lights.

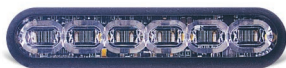


— This system is ordered only through the configurator. —
Below is a list of what is included with the system and perimeter light ordering options.

Included: nROADS Fleet Series exterior lightbar and handheld remote controller

Options: Four mpower® four inch lights (two front and two rear of the vehicle)
Two mpower® four inch lights (choice of installation, in front or rear of the vehicle)
No mpower® four inch lights

mpower® Fascia Four Inch Options



Quick Mount
Single Colors
6 LED **EMPSCG2QMS2(x)**
8 LED **EMPSCG2QMS3(x)**
Dual Colors
12 LED **EMPSCG2QMS4(x)**



Stud Mount
Single Colors
6 LED **EMPSCG2QMS2(x)**
8 LED **EMPSCG2STS3(x)**
Dual Colors
12 LED **EMPSCG2STS4(x)**



Screw Mount
Single Colors
6 LED **EMPSCG2SMS2(x)**
8 LED **EMPSCG2SMS3(x)**
Dual Colors
12 LED **EMPSCG2SMS4(x)**

Replace (x) in the Order Number for Standard Color Selection

6 or 8 LED Single Colors A = ● B = ● R = ● W = ○

8 or 12 LED Dual Colors D = ●○ E = ●○ F = ●○ J = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Reduces complexity from choosing varieties of pre-configured lightbar options
- Select two assigned flash patterns at time of order, having the ability to change once installation has been completed
- Controls entire Connect-n-Go system with a user-friendly handheld remote controller
- Streamlined installation

nROADS® Exterior Mid-Size Lightbar



Magnetic with Cig Plug

Color Selections
3 LED, Solid Bar
3 LED, Solid Bar
6 LED, Solid Bar
6 LED, Solid Bar
6 LED, Split Bar
12 LED, Split Bar

Dome Colors

Amber
Clear
Amber
Clear
Clear
Clear

SAE J845 Certified

Class 2
Class 2
Class 1
Class 1
Class 2
Class 1

Standard Permanent

Color Selections
3 LED, Solid Bar
3 LED, Solid Bar
6 LED, Solid Bar
6 LED, Solid Bar
6 LED, Split Bar
12 LED, Split Bar

Dome Colors

Amber
Clear
Amber
Clear
Clear
Clear

SAE J845 Certified

Class 2
Class 2
Class 1
Class 1
Class 2
Class 1

Headache Rack

Color Selections
3 LED, Solid Bar
3 LED, Solid Bar
6 LED, Solid Bar
6 LED, Solid Bar
6 LED, Split Bar
12 LED, Split Bar

Dome Colors

Amber
Clear
Amber
Clear
Clear
Clear

SAE J845 Certified

Class 2
Class 2
Class 1
Class 1
Class 2
Class 1

SOLID LIGHTBAR

Replace (xx) in the Order Number for Standard Color Selection

Single Color	A = ●●
Dual Colors	DD = ●○ FF = ●○ KK = ●●

SPLIT LIGHTBAR

Replace (xx) in the Order Number for Standard Color Selection

Single Colors	AW = ●○ RA = ●● RW = ●○
Dual Colors	DD = ●○ FF = ●○ KK = ●●

Replace (xs) in the Order Number for Standard Color Selection

Single Colors	AW = ●○ RA = ●● RW = ●○
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● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

nROADS Exterior Mid-Size Lightbar

Features

- Lightbars can be configured as single, dual or tricolor for maximum functionality
 - Single color: your choice of 3 LED, 6 LED, 9 LED or 12 LED modules
 - Dual color: 6 LED or 12 LED modules (direct connect only)
 - Tricolor: 18 LED modules (direct connect only)
- Available in magnetic, standard permanent or headache rack mounts
 - Magnetic mount includes a 10 foot cig plug cord with integrated 2-button rocker switch panel
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base
- Durable polycarbonate lens

INPUT VOLTAGE RANGE	10-16 Vdc (9-32 Vdc is available upon request)
NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 VDC	
3 LED Single Color	.5 Amp
6 LED Single Color	1 Amp
6 LED Dual Color	.5 Amp
9 LED Single Color	1.5 Amp
NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC	
3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts
12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts
12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
18 LED Tricolor	Steady burn, 12.8 Watts, flashing, 6.4 Watts
FLASH PATTERNS	43 flash patterns and 9 user-selectable modes
LIGHT SYNC	Up to 24
OPERATING TEMPERATURE	-40° C to +65° C
DIMENSIONS	
Length	8 module: 24.25" (61.6 cm)
Height	2.83" (7.2 cm)
Width	7.95" (20.2 cm)
MOUNTS	
	Magnetic mount
	Standard Permanent mount
	Headache Rack mount
CERTIFICATIONS	
	J845 Class 2 certified: 3 LED Single and 6 LED Dual Colors
	J845 Class 1 certified: 6, 9 and 12 LED Single, 12 LED Dual and 18 LED Tricolors
	CA Title 13 certified: Solid Colors (amber, blue or red)
WARRANTY	Five-year

ACCESSORIES

Lightbar and replacement modules sold separately.

Cig Plug Controller (configuration option)	Four Button	PCPNR401
VHB Magnetic Plate Adapter Kit	One VHB pad and metal plate	PNRLBK03

nROADS® Exterior Mini Lightbar



Magnetic with Cig Plug	Color Selections	Dome Colors	SAE J845 Certified
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 2
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 2
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 1
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 1
6 LED, Split Bar	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED, Solid Bar	Dual Colors, Amber, Red or White LEDs	Clear	Class 1

Standard Permanent	Color Selections	Dome Colors	SAE J845 Certified
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 2
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 2
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 1
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 1
6 LED, Split Bar	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 1
12 LED, Solid or Split Bar	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

Headache Rack	Color Selections	Dome Colors	SAE J845 Certified
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 2
3 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 2
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 1
6 LED, Solid Bar	Single Color, Amber/Amber LEDs	Clear	Class 1
6 LED, Split Bar	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED, Solid Bar	Single Color, Amber/Amber LEDs	Amber	Class 1
12 LED, Solid or Split Bar	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

SOLID LIGHTBAR

Replace (xx) in the Order Number for Standard Color Selection

Single Color	A = ●●
Dual Colors	DD = ●○ FF = ●○ KK = ●●

SPLIT LIGHTBAR

Replace (xx) in the Order Number for Standard Color Selection

Single Colors	AW = ●○ RA = ●● RW = ●○
Dual Colors	DD = ●○ FF = ●○ KK = ●●

●●●○ To order configured products, contact your sales representative or customer service department.

nROADS Exterior Mini Lightbar

Features

- Lightbars can be configured as single, dual or tricolor for maximum functionality
 - Single color: your choice of 3 LED, 6 LED, 9 LED or 12 LED modules
 - Dual color: 6 LED or 12 LED modules (direct connect only)
 - Tricolor: 18 LED modules (direct connect only)
- Available in magnetic, standard permanent or headache rack mounts
 - Magnetic mount includes a 10 foot cig plug cord with integrated 2-button rocker switch panel
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base
- Durable polycarbonate lens

INPUT VOLTAGE RANGE	10-16 Vdc (9-32 Vdc is available upon request)
NUMBER OF LEDS AND MAXIMUM DRAW PER MODULE @ 12.8 VDC	
3 LED Single Color	.5 Amp
6 LED Single Color	1 Amp
6 LED Dual Color	.5 Amp
9 LED Single Color	1.5 Amp
NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC	
3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts
9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts
12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts
12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts
18 LED Tricolor	Steady burn, 12.8 Watts, flashing, 6.4 Watts
FLASH PATTERNS	43 flash patterns and 9 user selectable modes
LIGHT SYNC	Up to 24
OPERATING TEMPERATURE	-40° C to + 65° C
DIMENSIONS	
Length	6 Module: 17.2" (43.7 cm)
Height	2.83" (7.2 cm)
Width	7.95" (20.2 cm)
MOUNTS	
	Magnetic mount
	Standard Permanent mount
	Headache Rack mount
CERTIFICATIONS	
	J845 Class 2 certified: 3 LED Single and 6 LED Dual Colors
	J845 Class 1 certified: 6, 9 and 12 LED Single, 12 LED Dual and 18 LED Tricolors
	CA Title 13 certified: Solid Colors (amber, blue or red)
WARRANTY	Five-year

ACCESSORIES

Lightbar and replacement modules sold separately.

Cig Plug Controller (configuration option)	Four Button	PCPNR401
VHB Magnetic Plate Adapter Kit	One VHB pad and metal plate	PNRLBK03



Exterior 7000 and 7100 Mini Lightbars



7000 Clear Dome

Magnetic Mount

Magnetic with Cig Plug **EPL7M+(x)C**

Standard Permanent Mount

Standard Permanent **EPL7PD(x)C**

Standard Permanent **EPL7PF(x)C**
(25 foot cable)

High Permanent Mount

High Permanent **EPL7HD(x)C**

High Permanent **EPL7HF(x)C**
(25 foot cable)

Replace (x) in the Order Number for Standard Color Selection

Solid Colors A = ● B = ● R = ● W = ○ G = ●

Split Colors D = ●○ E = ●○ F = ●○ J = ●● K = ●● M = ●● H = ●○ L = ●● N = ●● P = ●●



7100 Clear Dome

Magnetic Mount

Amber LEDs **EPL71M+AC**

Amber/White LEDs **EPL71M+FC**

Red/Amber LEDs **EPL71M+KC**

Blue/Amber LEDs **EPL71M+MC**

Green Solid/Split LEDs **EPL71M+(x)C**

Standard Permanent Mount

Amber LEDs **EPL71PDAC**

Amber/White LEDs **EPL71PDFC**

Red/Amber LEDs **EPL71PDKC**

Blue/Amber LEDs **EPL71PDMC**

High Permanent Mount

Amber LEDs **EPL71HDAC**

Amber/White LEDs **EPL71HDFC**

Red/Amber LEDs **EPL71HDKC**

Blue/Amber LEDs **EPL71HDMC**

Replace (x) in the Order Number for Standard Color Selection

Solid Colors G = ●

Split Colors D = ●○ E = ●○ F = ●○ J = ●● K = ●● M = ●● H = ●○ L = ●● N = ●● P = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Magnetic mount has cig plug with 2-button switch panel (on, off and flash pattern advance)
- Red LED indicator light and 10' cord length; 4 extra strong magnets each with an 85 pound pull each preventing slipping and moving

INPUT VOLTAGE RANGE	10-16 Vdc
CURRENT DRAW	2 Amp average @ 12.8 Vdc
LED COUNT	24 LEDs
FLASH PATTERNS	28
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
DIMENSIONS	
Length	14.16" (36 cm)
Height	1.90" (4.8 cm)
Depth	8.27" (21 cm)
MOUNTS	Magnetic, permanent and high permanent mounts
CERTIFICATIONS	7000 SAE J845 Class 1 certified (blue or red solid color LEDs) 7100 SAE J845 Class 1 certified (amber solid color LEDs)
WARRANTY	Five-year

ACCESSORY Lightbar and replacement modules sold separately.

VHB Magnetic Plate Adapter Kit (includes one VHB pad and metal plate) **PNRLBK03**
Additional mounting options when using non-magnetic mounting surfaces.

Note: 4 (four) plate adapter kits are required for the mini lightbar.



EMPAK

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

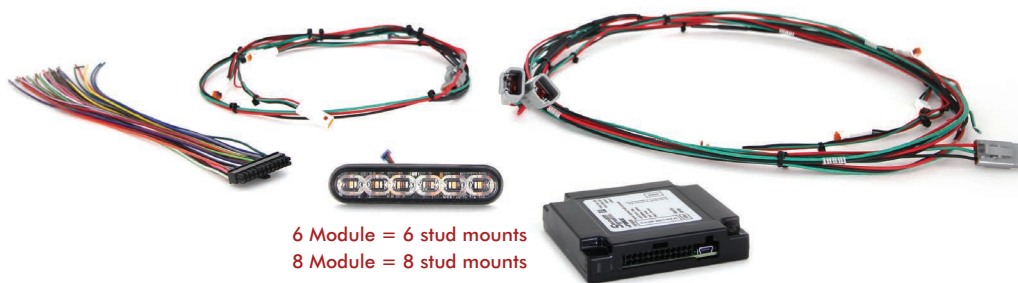
Configured product includes:

- 3- or 4-module bracket (modules based on vehicle model)
- mpower 4 inch 3-wire lights (quantity based on vehicle model)
- Power/control harness

Features

- Warning arrow greatly reduces install time through use of 3-wire technology
- Functionality mimics the rear of a lightbar
- Available in single, dual or tricolor

mpower[®] Non-bracket Arrow System



Arrow Harness Kits

Includes 12 inch breakout box and harness, two distribution harnesses and a 15 foot power/control harness
Includes 36 inch breakout box and harness, two distribution harnesses and a 15 foot power/control harness

EMPAKKT01
EMPAKKT01

Six Module, Tricolor (red/amber/white)

Includes six 4 inch Fascia stud mount modules, breakout box and harness, two distribution harnesses and a 15 foot power/control harness

EMPAK0098M

Eight Module, Tricolor (red/amber/white)

Includes eight 4 inch Fascia stud mount modules, breakout box and harness, two distribution harnesses and a 15 foot power/control harness

EMPAK0098N

Features

- Warning arrow greatly reduces install time through use of 3-wire technology
- Functionality mimics the rear of a lightbar
- Two distribution harnesses allow for larger mounting space, if desired

Bracket and Non-Bracket

INPUT VOLTAGE RANGE	9-32 Vdc
CURRENT STANDBY	< 1.0 Amp @ 12.8 Vdc, < 0.5 Amp @ 25.6 Vdc
FLASH PATTERNS	Bracket: 66 single, 25 dual or 11 tricolor patterns Non-bracket: 28 single, 22 dual or 19 tricolor patterns
OPERATING TEMPERATURE	-40° C to +65° C
CERTIFICATIONS	SAE J595 Class 1 certified SAE J845 Class 1 certified CA Title 13, Article 22 compliant
WARRANTY	Five-year

mpower Arrow System

VEHICLE SPECIFIC ACCESSORIES

Lights and replacement modules sold separately.



Chevrolet bracket shown. Sold in pairs.

BRACKETS

Chevrolet

REAR SPOILER, STUD MOUNTS

Tahoe 2015-2020, Suburban, Yukon and Yukon XL 2015-2019

Three module design

PMP2RSBTH3

Four module design

PMP2RSBTH4

Tahoe 2021

One module design

PMP2RS104

Two module design

PMP2RS204

Three module design

PMP2RS304

Four module design

PMP2RS404

Dodge

Durango 2018-2020

Three module design

PMP2RSBDG3

Ford

Expedition 2018-2020

One module design

PMP2RS103

Two module design

PMP2RS203

Three module design

PMP2RS303

Four module design

PMP2RS403

Explorer/PI Utility 2011-2019

One module design

PMP2RSBUV1

Two module design

PMP2RSBUV2

Three module design

PMP2RSBUV3

Four module design

PMP2RSBUV4

Explorer/PI Utility 2020

One module design

PMP2RS102

Two module design

PMP2RS202

Three module design

PMP2RS302

Four module design

PMP2RS402

Four x Two inch Fascia light, stud mount, one module design

PMP2RS101

Four x Two inch Fascia light, stud mount, two module design

PMP2RS201

Four x Two inch Fascia light, stud mount, three module design

PMP2RS301

Four x Two inch Fascia light, stud mount, four module design

PMP2RS401

mpower[®] Traffic Controller

Coming Summer 2021!



Front and side view

Features

- Designed for exterior or interior use
- Designed with six inch mpower modules
- Available in lengths of four, six, eight or ten modules
- Eight module is available in split or full; eight in a row or two different assemblies of four modules connected with harness
- Wire harness lengths available in 15 or 25 feet

INPUT VOLTAGE RANGE 10-16 Vdc

NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc

- 0.36 Amp (flashing red)
- 0.62 Amp (peak red)
- 0.60 (flashing amber, blue, green or white)
- 0.90 Amp (peak amber, blue, green or white)

NUMBER OF LEDs and MAXIMUM WATTAGE @ 12.8 Vdc

- 4.6 Watt (red)
- 7.7 Watt (amber, blue, green or white)

LED COUNTS **Single color:** 6 or 8 LEDs **Dual color:** 12 LEDs **Tricolor:** 18 LEDs

FLASH PATTERNS

Warning 28 single, 22 dual and 19 tricolor
Arrow 11

OPERATING TEMPERATURE -40° C to + 65° C / -40° F to +150° F

DIMENSIONS

Lengths
4 Module: 26" (66 cm)
6 Module: 38.75" (98 cm)
8 Module: 52" (133 cm)
10 Module: 64.25" (163 cm)

Height 1.6" (3.9 cm)
Depth 2.4" (6.2 cm)

CERTIFICATION

SAE J845 Class 1 certified
SAE J595 Class 1 certified
CA Title 13, Article 22 compliant
IP67

WARRANTY

Five-year

DIRECTIONAL WARNING

Contact your sales representative for availability of this product.



Interior Traffic Controller



4 Module	ENFTCDGS1204
6 Module (shown)	ENFTCDGS1206
8 Module	ENFTCDGS1208

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Designed and tested to withstand tough working applications and extreme weather environments
- Modules can be specified in any combination of single color 6 or 9 LED, dual color 12 LED or tricolor 18 LED counts
- Modules that utilize white LEDs can be specified as work lights or flood lighting
- Manual dimming capability for nighttime use
- Cruise mode
- Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability
- Standard "L" shaped mounting brackets are included

INPUT VOLTAGE RANGE 10-16 Vdc

NUMBER OF LEDs AND MAXIMUM CURRENT DRAW @ 12.8 Vdc

6 LED Single Color:	<1.0 Amp
9 LED Single Color:	<1.5 Amp
12 LED Dual Color:	<1.0 Amp
18 LED Tricolor:	<1.0 Amp

NUMBER OF LEDs and MAXIMUM WATTAGE @ 12.8 Vdc

6 LED Single Color:	<6.4 Watts
9 LED Single Color:	<9.6 Watts
12 LED Dual Color:	<6.4 Watts
18 LED Tricolor:	<6.4 Watts

FLASH PATTERNS

Warning	34
Arrow	8

OPERATING TEMPERATURE -40° C to + 65° C / -40° F to +149° F

DIMENSIONS

Lengths	4 Module: 19" (48.3 cm) 6 Module: 26.7" (67.8 cm) 8 Module: 35.5" (90 cm)
Height	All Modules: 1.9" (4.7 cm)
Depth	All modules: 2.47" (6.3 cm)

CERTIFICATION SAE J845 Class 1 certified

UltraLITEplus

Exterior and Interior Directional Warning Bars



Exterior



Interior

Exterior Directional Warning

Solid and Split Colors

2 Module	EL3PD02A00(x)
4 Module	EL3PD04A00(x)
8 Module	EL3PD08A00(x)

Single Warning Ends, Amber Center

8 Module	EL3PD08A10(x)
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Single Warning Ends, Amber Center

(flashes independent from arrow)

8 Module	EL3PD08B10(x)
12 Module	EL3PD12A00(x)

Single Warning Ends, Amber Center

12 Module	EL3PD12A10(x)
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Dual Warning Ends, Amber Center

12 Module	EL3PD12A20(x)
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Interior Directional Warning

Solid and Split Colors

4 Module	EL3PH04A00(x)
8 Module	EL3PH08A00(x)

Single Warning Ends, Amber Center

8 Module	EL3PH08A10(x)
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Single Warning Ends, Amber Center

(flashes independent from arrow)

8 Module	EL3PH08B10(x)
12 Module	EL3PH12A00(x)

Single Warning Ends, Amber Center

12 Module	EL3PH12A10(x)
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Dual Warning Ends, Amber Center

12 Module	EL3PH12A20(x)
	EL3PZ12A00(x)

Single Warning Ends, Amber Center

(flashes independent from arrow)

12 Module	EL3PH12B10(x)
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Dual Warning Ends, Amber Center

(flashes independent from arrow)

12 Module	EL3PH12B20(x)
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Windshield Mount

8 Module	EL3PZO8A00(x)
12 Module	EL3PZ12A00(x)

DIRECTIONAL WARNING

Interior Windshield



Solid and Split Colors

2 Module	EL3PH02A0+(x)
4 Module	EL3PH04A0+(x)

Replace (x) in the Order Number for Standard Color Selection

Solid Colors A = ● B = ● G = ● R = ● W = ○

Split Colors A = ● B = ● R = ● W = ○ D = ●○ E = ●○ F = ●○ H = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

UltraLITEplus

Exterior Directional Warning Bar with Arrow Ends



12 Module, 15 foot harness **EL3PA12A00A**
12 Module, 25 foot harness **EL3PA12A01A**

Features

- New addition to our UltraLITEplus product line
- Six module arrow heads provide direct, visual communication to oncoming traffic

INPUT VOLTAGE RANGE	10-16 Vdc
CURRENT DRAW	10 Amps Peak, 5 Amp avg. with 50% duty cycle flash pattern
FLASH PATTERNS	Warning, arrow or default
OPERATING TEMPERATURE	-40° C to +85° C
DIMENSIONS	
Length	51.75" (131.45 cm)
Height	21.5" (54.6 cm)
Depth	1.5" (3.8 cm)
MOUNTING	Attachment brackets (included)
WARRANTY	Five-year

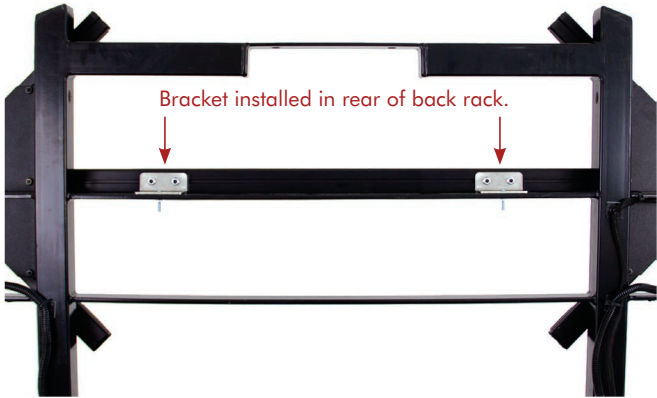
ACCESSORY

Directional warning bar and back rack sold separately.

Back Rack Bracket Kit **PUL3BRM**
Includes two mounting brackets and hardware

Feature

- Attaches back of arrow to cross bar of the back rack



UltraLITE plus

Directional Warning Bars

Features

Exterior

- Custom color configurations offered for exterior 4, 8 or 12 module bars
- 8 and 12 module warning bars can be programmed to flash three separate warning patterns controlled by discrete input wires
- Includes universal "L" brackets and 14 feet of cable

Windshield

- Includes permanent headliner brackets (pair) and 11.5 feet of shielded cable
- Suction cup and cig plug mounts include universal headliner brackets (pair)

Interior

- Slim, narrow design is perfect for headliner, dash, windshield or rear deck mounts in all types of vehicles
- Program up to three warning patterns on the 8 or 12 module, dual or split color bars
- Includes universal "L" brackets and 14 feet of cable

INPUT VOLTAGE RANGE 10-16 Vdc

CURRENT DRAW @ 12.8 VDC

Suction Cup Mount <1 Amp per module

and Headliner Mount <1 Amp for every 2 modules (flash pattern dependent)

FLASH PATTERNS

Suction Cup Mount and Headliner Mount 2 Module: 33 flash patterns; 4 Module: 21 flash patterns; 8 Module: solid colors, 20 arrow or 12 warning, split colors, 19 warning flash patterns or 12 Module: solid colors, 20 arrow or 12 warning, split colors, 19 warning flash patterns

LED COUNTS 2 Module: 12 LEDs; 4 Module: 24 LEDs; 8 Module: 48 LEDs or 12 Module: 72 LEDs

OPERATING TEMPERATURE -40° C to +65° C / -40° F to +149° F

DIMENSIONS

Lengths 2 Module: 6.9" (18 cm); 4 Module: 13.25" (34 cm); 8 Module: 26" (66 cm) or 12 Module: 38.75" (98 cm)

Height All modules: 1.5" (3.8 cm)

Depth All modules: 1.5" (3.8 cm)

Suction Cup Mount and Headliner Mount

Lengths 2 Module: 7" (18 cm); 4 Module: 14.25" (34 cm); 8 Module: 26" (66 cm) or 12 Module: 38.75" (98 cm)

Height All modules: 1.5" (3.8 cm)

Depth All modules: 3.6" (9.1 cm)

CERTIFICATIONS

SAE J595 Class 1 certified
Article 22, CA Title 13 compliant

WARRANTY

Five-year

DIRECTIONAL WARNING

ACCESSORIES

Exterior and Interior

Directional warning bar sold separately.

BRACKETS

Universal

One hole, 1.5 inches, pair

PUL3DGM01

Two holes, 2 inches, pair

PUL3DGM02

Three holes, 2.5 inches, pair

PUL3DGM03

Seven holes, 4 inches, pair

PUL3DGM

Chevrolet

Tahoe

Visor, pair

PUL3M02

mpower® Fascia Lights

STUD AND QUICK MOUNTS

Three, Four and Four x Two Inch



Stud Mounts

Three Inch

4 LED, Single Color	EMPS1SLS1(x)
8 LED, Single or Dual Colors	EMPS1SLS3(x)
12 LED, Tricolor	EMPS1SLS4(xxx)

Three Inch Ford Grille Mount Application

4 LED, Single Color	EMPS1STS1(x)
8 LED, Single or Dual Colors	EMPS1STS3(x)
12 LED, Tricolor	EMPS1STS4(xxx)

Four Inch

6 LED, Single Color	EMPS2STS2(x)
8 LED, Single Color	EMPS2STS3(x)
12 LED, Dual Color	EMPS2STS4(x)
18 LED, Tricolor	EMPS2STS5(xxx)

Spot

6 LED, Single Color	EMPS202KG(x)
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Flood

6 LED, White LEDs	EMPS202KR-W
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Four x Two Inch

12 LED, Single Color	EMPSA05C0-(x)
16 LED, Single Color	EMPSA05C1-(x)
24 LED, Dual Color	EMPSA05C2-(x)
36 LED, Tricolor, Red/Blue/White	EMPSA05C3-6
36 LED, Tricolor Red/Blue/White	EMPSA05C3-8

Quick Mounts

Three Inch

4 LED, Single Color	EMPS1QMS1(x)
8 LED, Single or Dual Colors	EMPS1QMS3(x)
12 LED, Tricolor	EMPS1QMS4(xxx)

Four Inch

6 LED, Single Color	EMPS2QMS2(x)
8 LED, Single Color	EMPS2QMS3(x)
12 LED, Dual Color	EMPS2QMS4(x)
18 LED, Tricolor	EMPS2QMS5(xxx)

Spot

6 LED, Single Color	EMPS202KE(x)
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Flood

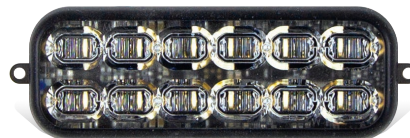
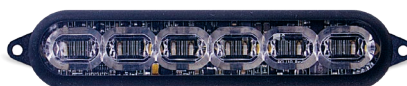
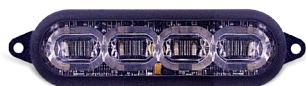
6 LED, White LEDs	EMPS202KE(x)-W
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Four x Two Inch

12 LED, Single Color	EMPSA05BN-(x)
16 LED, Single Color	EMPSA05BS-(x)
24 LED, Dual Color	EMPSA05BT-(x)
36 LED, Tricolor, Red/Blue/White	EMPSA05BU-6
36 LED, Tricolor, Red/Blue/White	EMPSA05BU-8

SCREW MOUNTS

Three, Four and Four x Two Inch



Screw Mounts

Three Inch

4 LED, Single Color	EMPS1SMS1(x)
8 LED, Single or Dual Colors	EMPS1SMS3(x)
12 LED, Tricolor	EMPS1SMS4(xxx)

Four Inch

6 LED, Single Color	EMPS2SMS2(x)
8 LED, Single Color	EMPS2SMS3(x)
12 LED, Dual Color	EMPS2SMS4(x)
18 LED, Tricolor	EMPS2SMS5(xxx)

Spot

6 LED, Single Color	EMPS202KF(x)
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Flood

6 LED, White LEDs	EMPS202KQ-W
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Four x Two Inch

12 LED, Single Color	EMPSA05BW-(x)
16 LED, Single Color	EMPSA05BX-(x)
24 LED, Dual Color	EMPSA05BY-(x)
36 LED, Tricolor, Red/Blue/White	EMPSA05BZ-6
36 LED, Tricolor, Red/Blue/White	EMPSA05BZ-8

mpower® Fascia Lights and HD Light



Four Inch

6 LED, Single Color	EMPS4STS2(x)
8 LED, Single Color	EMPS4STS3(x)
12 LED, Dual Color	EMPS4STS4(x)
18 LED, Tricolor	EMPS4STS5(xxx)

Fascia Lights and HD Light: Replace (x) or (xxx) in the Order Number for Standard Color Selection

4, 6 or 8 LED Single Colors	A = ● B = ● R = ● W = ○
12 or 16 LED Single Colors	A = ● B = ● R = ●
8 or 12 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●●
24 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●● K = ●● M = ●●
12 or 18 LED Tricolors	RBA = ●●● RBW = ●●○

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Single, dual or tricolor capabilities
- Silicone molded one-piece housing and optic design delivers advantages over conventional polycarbonate lenses
 - A smaller footprint with maximized candela output
 - Greater resistance to gravel pitting, scratching or cracking
 - Improved sealing to prevent water from entering light
 - Higher UV and thermal stability to prevent lens from yellowing over time
- Compatible with the ConfigureIT system for easy light programming (does not include spot and flood lights)
- Steady-burn with dim function (spot and flood lights only)

INPUT VOLTAGE RANGE	9-32 Vdc			
CURRENT DRAW	<1.0 Amp @ 12.8 Vdc, <0.5 Amp @ 25.6 Vdc			
LIGHT SYNC	24 single sync 2 lighthead			
FLASH PATTERNS	12 Single, 14 Dual or 14 Tricolor patterns (does not include spot and flood lights)			
OPERATING TEMPERATURE	-40° C to +65° C			
DIMENSIONS	3 Inch Stud	4 Inch Stud	4x2 Inch Stud	HD
Length	3.04" (7.72 cm)	4.04" (10.3 cm)	4.07" (10.34 cm)	4.25" (10.8 cm)
Height	0.92" (2.3 cm)	0.92" (2.3 cm)	1.5" (3.8 cm)	0.92" (2.3 cm)
Depth	0.42" (1 cm) (from mounting surface)	0.42" (1 cm) (from mounting surface)	.43" (1.09 cm)	6" (1.5 cm) (from mounting surface)
	3 Inch Quick	4 Inch Quick	4x2 Inch Quick	
Length	3.04" (7.72 cm)	4.04" (10.3 cm)	4.07" (10.34 cm)	
Height	0.92" (2.3 cm)	0.92" (2.3 cm)	1.5" (3.8 cm)	
Depth	0.47" (1.2 cm) (from mounting surface)	0.47" (1.2 cm) (from mounting surface)	.47" (1.2 cm)	
	3 Inch Screw	4 Inch Screw	4x2 Inch Screw	
Length	3.52" (8.94 cm)	4.52" (11.4 cm)	4.53" (11.51 cm)	
Height	0.92" (2.3 cm)	0.92" (2.3 cm)	1.5" (3.8 cm)	
Depth	0.42" (1 cm) (from mounting surface)	0.42" (1 cm) (from mounting surface)	.43" (1.09 cm)	
CERTIFICATIONS	SAE J595 and J845 Class 1 certified CA Title 13, Article 22 compliant EMC R10.05 (HD light only) ECE R65, R10.05 certified (4x2 light only)			
WARRANTY	Five-year			

UNIVERSAL ACCESSORIES Lights sold separately. Refer to pages 45, 46 and 47 for vehicle specific accessories.

PERIMETER LIGHTING	FASCIA MOUNT OPTIONS	Quick Clip Mount: Quick Clip Bracket	
		Three inch, black	PMP1BKQCLP
		Four inch, black	PMP2BKQCLP
		Stud Mount: 90 Degree Adjustable Bracket	
		Three inch, black	PMP1BKDGAJ
		Three inch, white	PMP1BKDGAJ-W
		Four inch, black	PMP2BKDGAJ
		Four inch, white	PMP2BKDGAJ-W
		Four x Two inch	PMPSABKDGAJ
		Stud Mount: 90 Degree Adjustable Edge Bracket	
		Three inch, black	PMP1BKEDGE
		Three inch, white	PMP1BKEDGE-W
		Four inch, black	PMP2BKEDGE
		Four inch, white	PMP2BKEDGE-W
	BRACKETS	License Plate, Stud Mount	
		Three inch, vertical mount	PMP1BRK2LPV
		Four inch, vertical mount	PMP2BRK2LPV
		Metal	
		Four x Two inch, 90 degree	PMPADGSB
		Adjustable, Stud Mount	
		Four x Two inch, 90 degree	PMPSABKDGAJ
	FRAMES	License Plate	
		Four inch, quick mount light	PMP2BRK2LPF
	WEDGES	Quick Mounts	
		Three inch, black, 5 degree	PMP1WDG05B
		Three inch, black, 15 degree	PMP1WDG15B
		Three inch, black, 35 degree	PMP1WDG35B
		Three inch, white, 5 degree	PMP1WDG05W
		Three inch, white, 15 degree	PMP1WDG15W
		Three inch, white, 35 degree	PMP1WDG35W
		Four inch, black, 5 degree	PMP2WDG05B
		Four inch, black, 15 degree	PMP2WDG15B
		Four inch, black 35 degree	PMP2WDG35B
		Four inch, white, 5 degree	PMP2WDG05W
		Four inch, white, 15 degree	PMP2WDG15W
		Four inch, white, 35 degree	PMP2WDG35W
		Four x Two inch, black, 5 degree	PMP8WDGB01
		Four x Two inch, black, 15 degree	PMP8WDGB02
		Four x Two inch, black, 35 degree	PMP8WDGB03
		Includes wedge and 3M VHB adhesive	
	ROCK MOUNT	Four inch, stud mount and HD	PMP4BKRKLB
	WINDSHIELD SHROUDS	Adjustable 25 to 90 Degrees	
		Three inch, single, black	PMP1WSSSB
		Three inch, single, white	PMP1WSSSW
		Four inch, single, black	PMP2WSSSB
		Four inch, single, white	PMP2WSSSW
		Three inch, dual, black	PMP1WSddb
		Three inch, dual, white	PMP1WSDDW
		Four inch, dual, black	PMP2WSddb
		Four inch, dual, white	PMP2WSDDW
		Narrow	
		Three inch, black	PMP1WSS2B



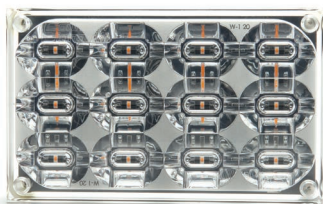
mpower Fascia Light Application Photos



PERIMETER LIGHTING

mpower® 6 x 4 Inch Silicone Lights

WARNING, BACKUP, STOP/TAIL AND TURN Stud, Quick and Screw Mounts



Warning



Backup



Stop/Tail and Turn

Mounting Options



Stud Mount



Quick Mount



Screw Mount

Stud Mounts

Warning

12 LED, Single Color **EMPSB0C9D-x**

Backup

18 LED, Single Color, White **EMPSB0C9H-W**

Backup with Warning, White Backup Operation

28 LED, Amber Warning **EMPSB0C9J-F**

28 LED, Blue Warning **EMPSB0C9J-E**

28 LED, Red Warning **EMPSB0C9J-D**

Stop/Tail

20 LED, Single Color, Red **EMPSB0C6Y-R**

Turn

20 LED, Single Color, Amber **EMPSB0C9K-A**

Quick Mounts

Warning

12 LED, Single Color **EMPSB0C91-x**

Backup

18 LED, Single Color, White **EMPSB0C92-W**

Backup with Warning, White Backup Operation

28 LED, Amber Warning **EMPSB0AWT-F**

28 LED, Blue Warning **EMPSB0AWT-E**

28 LED, Red Warning **EMPSB0AWT-D**

Stop/Tail

20 LED, Single Color, Red **EMPSB0C9B-R**

Turn

20 LED, Single Color, Amber **EMPSB0C9C-A**

Screw Mounts

Warning

12 LED, Single Color **EMPSB0C96-x**

Backup

18 LED, Single Color, White **EMPSB0C9A-W**

Backup with Warning, White Backup Operation

28 LED, Amber Warning **EMPSB0AWT-F**

28 LED, Blue Warning **EMPSB0AWT-E**

28 LED, Red Warning **EMPSB0AWT-D**

Stop/Tail

20 LED, Single Color, Red **EMPSB0C9B-R**

Turn

20 LED, Single Color, Amber **EMPSB0C9C-A**

Replace (x) in the Order Number for Standard Color Selection

12 LED Single Colors A = ● B = ● R = ● W = ○

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

mpower 6 x 4 Inch Silicone Lights

Features

- Powerful lighting output at 180 degree viewing angles perfect for fire and EMS apparatuses
- Extremely functional and customizable for use as stop/tail, turn, reverse, scene or warning light
- Rugged weather-resistant IP67 enclosure
- Five-wire nano connector with 18 inch flying leads
- Durable clear silicone lens
- Industry standard bolt pattern location
- Sync 2 compatible, with other sync 2 products (warning and reverse with warning lights only)
- bluePRINT compatible, runs in slave mode

AVAILABLE COLORS	All standard single, red stop/tail; amber turn; white reverse or white reverse with amber, blue, green, red or white warning
INPUT VOLTAGE RANGE	9-32 Vdc
FLASH PATTERNS	Single 12; 3 sequential turn patterns, plus steady burn on turn and 1 flicker stop on stop/tail
DIMENSIONS	
Length	6.37" (16.17 cm)
Height	4" (10.16 cm)
Depth	1.01" (2.56 cm)
CERTIFICATIONS	SAE J595 Class 1 certified CA Title 13 certified NFPA, KKK-1822-F FMVSS-108 (backup, stop/tail and turn)
MOUNTING	Stud, quick or screw mounts
WARRANTY	Five-year warranty

UNIVERSAL ACCESSORIES

Lights sold separately.

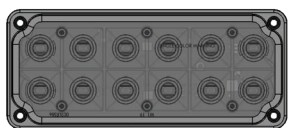
HARDWARE KITS	Stud mount Quick mount Screw mount Screw mount, triple and quad	PMP8HK01-ST PMP7HK01-QM PMP8HK01-SM PMP8HK01-BZ
BEZELS	Screw and stud mounts, single, black (includes gasket) Screw and stud mounts, single, chrome (includes gasket) Screw mount, triple, chrome Screw mount, quad, chrome	PMP7BZL01B PMP7BZL01C PMP7BZL03C PMP7BZL04C

Coming Soon!

6x4 Inch Silicone Lights in Dual and Tricolor!

Contact your sales representative regarding product availability.

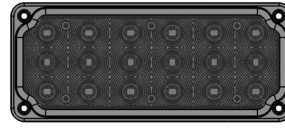
Polycarb Lights



Warning



Reverse with Single Warning



Stop/Tail/Turn

Coming Soon!

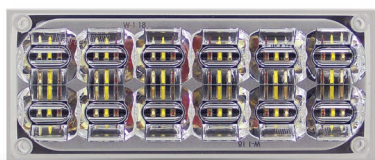
Fire/EMS Polycarb 6x4, 7x3 and 9x6 Inch Stud, Quick and Screw Mount Lights!

Contact your sales representative regarding product availability.

mpower® 7x3 Inch Silicone Lights

WARNING, BACKUP, STOP/TAIL AND TURN

Stud, Quick and Screw Mounts



Warning



Backup



Stop/Tail and Turn

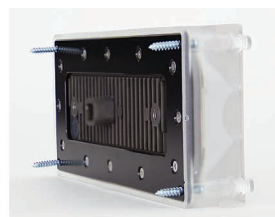
Mounting Options



Stud Mount



Quick Mount



Screw Mount

Warning

12 LED, Single Color	EMPSC07MH-(x)
24 LED, Dual Color	EMPSC07MJ-(x)
24 LED, Split Color	EMPSC07MK-(x)
36 LED, Tricolor, Red/Blue/Amber	EMPSC07ML-6
36 LED, Tricolor, Red/Blue/White	EMPSC07ML-8

Backup

18 LED, Single Color, White	EMPSC07MM-W
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Stud Mounts

Backup with Warning

28 LED, Amber Warning and White Backup Operation	EMPSC07MN-F
28 LED, Blue Warning and White Backup Operation	EMPSC07MN-E
28 LED, Red Warning and White Backup Operation	EMPSC07MN-D

Stop/Tail

18 LED, Single Color, Red	EMPSC07MP-R
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Turn

18 LED, Single Color, Amber	EMPSC07MQ-A
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Quick Mounts

Warning

12 LED, Single Color	EMPSC07M0-(x)
24 LED, Dual Color	EMPSC07M1-(x)
24 LED, Split Color	EMPSC07M2-(x)
36 LED, Tricolor, Red/Blue/White	EMPSC07M3-6
36 LED, Tricolor, Red/Blue/Amber	EMPSC07M3-8

Backup

18 LED, Single Color, White	MPSC07M4-W
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Backup With Warning

28 LED, Amber Warning and White Backup Operation	EMPSC07M5-F
28 LED, Blue Warning and White Backup Operation	EMPSC07M5-E
28 LED, Red Warning and White Backup Operation	EMPSC07M5-D

Stop/Tail

18 LED, Single Color, Red	EMPSC07M6-R
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Turn

18 LED, Single Color, Amber	EMPSC07M7-A
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Screw Mounts

Warning

12 LED, Single Color	EMPSC07M8-(x)
24 LED, Dual Color	EMPSC07M9-(x)
24 LED, Split Color	EMPSC07MA-(x)
36 LED, Tricolor, Red/Blue/Amber	EMPSC07MB-6
36 LED, Tricolor, Red/Blue/White	EMPSC07MB-8

Backup

18 LED, Single Color, White	EMPSC07MC-W
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Backup With Warning

28 LED, Amber Warning with White Backup Operation	EMPSC07MD-F
28 LED, Blue Warning with White Backup Operation	EMPSC07MD-E
28 LED, Red Warning with White Backup Operation	EMPSC07MD-D

Stop/Tail

18 LED, Single Color, Red	EMPSC07ME-R
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Turn

18 LED, Single Color, Amber	EMPSC07MF-A
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mpower 7x3 Inch Silicone Lights

Replace (x) in the Order Number for Standard Color Selection

12 LED Single Colors	A = ● B = ● R = ● W = ○
24 LED Dual Colors	D = ●○ E = ●○ F = ●○ J = ●●
24 LED Split Colors	D = ●○ E = ●○ F = ●○ J = ●● K = ●● M = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Powerful lighting output at 180 degree viewing angles perfect for fire and EMS apparatuses
- Extremely functional and customizable for use as stop/tail, turn, reverse, scene or warning light
- Rugged weather-resistant IP67 enclosure
- Five-wire nano connector with 18 inch flying leads
- Durable clear silicone lens
- Industry standard bolt pattern location
- Sync 2 compatible, with other sync 2 products (warning and reverse with warning lights only)
- bluePRINT compatible, runs in slave mode

NOTE: It is recommended to choose the stud mount option for any dynamic mount surface (swinging panels, doors and tailgates).

AVAILABLE COLORS	All standard single, dual or tricolors; split warning; red stop/tail; amber turn; white reverse or white reverse with amber, blue, green, red or white warning
INPUT VOLTAGE RANGE	9-32 Vdc
FLASH PATTERNS	Single 12; dual and tricolor, 14; 3 sequential turn patterns, plus steady burn on turn and 1 flicker stop on stop/tail
DIMENSIONS	Length 7.18" (18.54 cm) Height 3" (7.62 cm) Depth 1" (2.54 cm) (without bezel)
CERTIFICATIONS	SAE J595 Class 1 certified; CA Title 13 certified; NFPA, KKK-1822-F and FMVSS-108 (backup, stop/tail and turn)
MOUNTING	Stud, quick or screw mounts
WARRANTY	Five-year warranty

UNIVERSAL ACCESSORIES

Lights sold separately.

HARDWARE KITS	Stud mount Quick mount Screw mount Screw mount, triple and quad	PMP8HK01-ST PMP8HK01-QM PMP8HK01-SM PMP8HK01-BZ
BEZELS	Screw and stud mounts, single, black (includes gasket) Screw and stud mounts, single, chrome (includes gasket) Screw mount, triple, chrome Screw mount, quad, chrome	PMP8BZLO1B PMP8BZLO1C PMP8BZLO3C PMP8BZLO4C

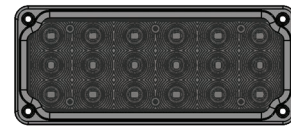
Polycarb Lights



Warning



Reverse with Single Warning



Stop/Tail/Turn

Coming Soon!

Fire/EMS Polycarb 6x4, 7x3 and 9x6 Inch Stud, Quick and Screw Mount Lights!
Contact your sales representative regarding product availability.

mpower® ORV Lights



2x1 Inch

Silicone, White LEDs

EMPR10004-WW



6x1 Inch

Silicone, White LEDs

EMPR20013-W



2x1 Inch Dual Stacked Kit

Silicone, White LEDs

EMPR10037-WW

Includes four 2x1 lights and 2 u-shaped brackets (shown)

Side and Rear View
6x1 Inch



For mpower Fascia Spot and Flood light product information, refer to page 25.

Features

- Incredible optic pull; spot performs stronger than competition at both spot and flood distances
- A smaller footprint with maximized candela output
- Greater resistance to gravel pitting, scratching or cracking
- Improved sealing to prevent water from entering light
- Higher UV and thermal stability to prevent lens from yellowing over time
- Won't crack in harsh environments

	2x1 Inch	6x1 Inch	2x1 Inch Dual Stack
RAW LUMENS	1,382	4,147	2,764
LUX @ 10m	218.2	619.7	398.8
BEAM DISTANCE (m) @ 1 LUX	148	249	200
BEAM DISTANCE (m) @ 25 LUX	295	498	399
PEAK BEAM INTENSITY (cd)	21,819	61,974	39,880
AMP DRAW @ 14 V	1.15	3.75	2.3
WATTAGE	16 Watts	52.5 Watts	32 Watts
LED COUNT	2 LEDs	6 LEDs	4 LEDs
DIMENSIONS			
Length	3.61" (9.17 cm)	7.64" (19.406 cm)	3.61" (9.17 cm)
Height	1.2" (3.05 cm)	1.2" (3.05 cm)	2.4" (6.10 cm)
Depth	3.23" (8.2 cm)	3.48" (8.84 cm)	3.23" (8.2 cm)
INPUT VOLTAGE	9-32 Vdc		
OPERATING TEMPERATURE	-40° C to +65° C		
WARRANTY	Limited Lifetime Warranty		

mpower ORV Lights

UNIVERSAL ACCESSORIES

Lights sold separately.

KITS	Brackets	
	2x1	PMPR1BK001
	6x1	PMPR2BK001
	Hardware	
	2x1 and 6x1 Dual Stacked	PMPR1HW002
	Harness	
	2x1	PMPR1HN001
	6X1	PMPR2HN002
	Mounting	
	2x1 and 6x1	PMPR1HW001

mpower® Mini Bar

Coming Soon!



Features

- High power white illumination lighting for a variety of applications
- Impact and scratch resistant mpower silicone lens/optic
- Six LED High Power modules
- Ten degree spot/flood hybrid lens
- Available in 3 lengths: 12, 18 and 24 inches
- Includes 90 degree mounting bracket

CERTIFICATIONS

IP67 and SAE J575

Contact your sales representative for availability of this product.

Surface, Deck/Grille and Recess Mounts

Surface Mounts



Single

6 LED, Single or Split Colors	ENFSSS1(x)
9 LED, Single Color	ENFSSS2(x)
9 LED, Single Color, Amber, High Output	ENFSSS2A-PC 9
LED, Single Color, 10-30 Vdc, Xylex Lens	ENFSSE2(x)
12 LED, Single or Dual Colors	ENFSSS3(x)
18 LED, Tricolor	ENFSSS4(xxx)



Dual Stacked

6 LED, Single or Split Colors	ENFDSS1(xx)
9 LED, Single Color	ENFDSS2(xx)
9 LED, Single Color, Amber/Amber, High Output	ENFDSS2AA-PC
9 LED, Single Color, 10-30 Vdc, Xylex Lens	ENFDSE2(xx)
12 LED, Single or Dual Colors	ENFDSS3(xx)
18 LED, Tricolor	ENFDSS4(xxx)

Deck/Grille Mounts



Single

6 LED, Single or Split Colors	ENFSGS1(x)
9 LED, Single Color	ENFSGS2(x)
9 LED, Single Color, Amber, High Output	ENFSGS2A-PC
9 LED, Single Color, 10-30 Vdc, Xylex Lens	ENFSGE2(x)
12 LED, Single or Dual Colors	ENFSGS3(x)
18 LED, Tricolor	ENFSGS4(xxx)



Dual Side-by-Side

6 LED, Single or Split Colors	ENFDGS1(xx)
9 LED, Single Color	ENFDGS2(xx)
9 LED, Single Color, Amber/Amber, High Output	ENFDGS2AA-PC
9 LED, Single Color, 10-30 Vdc, Xylex Lens	ENFDGS2AA-PC
12 LED, Single or Dual Colors	ENFDGS3(xx)
18 LED, Tricolor	ENFDGS4(xxx)

Recess Mounts



Recess

6 LED, Single or Split Colors	ENFSRS1(x)
9 LED, Single Color	ENFSRS2(x)
9 LED, Single Color, 10-30 Vdc, Xylex Lens	ENFSRE2(x)
12 LED, Single or Dual Colors	ENFSRS3(x)
18 LED, Tricolor	ENFSRS4(xxx)



Six Inch Oval

6 LED, Single or Split Colors	ENFSRV1(x)
9 LED, Single Color	ENFSRV2(x)
9 LED, Single Color, Amber, High Output	ENFSRV2A-PC
12 LED, Single or Dual Colors	ENFSRV3(x)

nFORCE Windshield Mounts

Windshield Mounts



Single, Stacked Mount

Includes shroud, bracket and bare wires

6 LED, Single or Dual Colors	ENFSWP1(x)
9 LED, Single Color	ENFSWP2(x)
9 LED, Single Color, Amber, High Output	ENFSWP2A-PC
12 LED, Single or Dual Colors	ENFSWP3(x)
18 LED, Tricolor	ENFSWP4(xxx)

Single, Suction Cup Mount

Includes shroud, bracket and 12 volt cig plug with 11.5' cord

6 LED, Single or Split Colors	ENFSWS1(x)
9 LED, Single Color	ENFSWS2(x)
9 LED, Single Color, Amber, High Output	ENFSWS2A-PC
12 LED, Single or Dual Colors	ENFSWS3(x)
18 LED, Tricolor	ENFSWS4(xxx)



Dual Side-by-Side, Permanent Mount

Includes shroud, bracket and bare wires

6 LED, Single or Dual Colors	ENFDWP1(xx)
9 LED, Single Color	ENFDWP2(xx)
9 LED, Single Color, Amber/Amber, High Output	ENFDWP2AA-PC
12 LED, Single or Dual Colors	ENFDWP3(xx)
18 LED, Tricolor	ENFDWP4(xxx)

Dual Side-by-Side, Suction Cup Mount

Includes shroud, bracket and 12 volt cig plug with 11.5' cord

6 LED, Single or Dual Colors	ENFDWS1(xx)
9 LED, Single Color	ENFDWS2(xx)
9 LED, Single Color, Amber/Amber, High Output	ENDWS2AA-PC
12 LED, Single or Dual Colors	ENDWS3(xx)
18 LED, Tricolor	ENFDWS4(xxx)

Replace (x), (xx) or (xxx) in the Order Number for Standard Color Selection

6, 9 or 12 LED Single Colors A = ● B = ● R = ● W = ○

Six Inch Oval Recess Mount A = ● W = ○

6 LED Split Color J = ●●

Six Inch Oval Recess Mount D = ●○ F = ●○

12 LED Dual Colors D = ●○ E = ●○ F = ●○ J = ●●

Six Inch Oval Recess Mount D = ●○ F = ●○

18 LED Tricolors BRA = ●●● BRW = ●●○

Six Inch Oval Recess Mount Not available

●●●●○ To order configured products, contact your sales representative or customer service department.

Features

- Single, split, dual or tricolor capability (tricolor is not available for the six inch oval recess mount)
- 6, 9, 12 or 18 LED counts (18 LED count is not available for the six inch oval recess mount)
- Steady-burn white capability
- ECE R65 certified (surface, deck/grille and recess mounts only)
- Secondary function can be either flashig or steady-burn (six inch oval recess mount only)



Surface, Deck/Grille, Recess and Windshield Mounts

INPUT VOLTAGE RANGE	10-16 Vdc standard or 10-30 Vdc (configurable option)		
CURRENT DRAW PER MODULE	10-16 VDC	10-30 VDC (configurable option)	
6 LED Single Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
6 LED Split Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
9 LED Single Color	<1.5 Amp @ 12.8 Vdc	<0.9 Amp @ 25.6 Vdc	
12 LED Single Color	<2.0 Amp @ 12.8 Vdc	<1.2 Amp @ 25.6 Vdc	
12 LED Dual Color	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc	
18 LED Tricolor	<1.0 Amp @ 12.8 Vdc	<0.6 Amp @ 25.6 Vdc (tricolor is not available for the six inch oval recess mount)	
LIGHT SYNC	24 single sync 2 lightheads		
FLASH PATTERNS	12 single, 14 dual or 14 tricolor patterns (tricolor is not available for the six inch oval recess mount)		
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F		
DIMENSIONS			
Surface Mount, Single		Recess Mount	
Length	5.0" (12.7 cm)	Length	5.25" (13.34 cm)
Height	1.72" (4.3 cm)	Height	2.25" (5.72 cm)
Depth	1.50" (3.8 cm)	Depth	1.50" (3.8 cm)
Surface Mount, Dual Stacked		Windshield Mount, Single	
Length	5.0" (12.7 cm)	Length	6.80" (17.27cm)
Height	3.13" (7.9 cm)	Height	1.43" (3.6 cm)
Depth	1.5" (3.8 cm)	Depth	1.43" (3.6 cm)
Deck/Grille Mount, Single		Windshield Mount, Dual Side-by-Side	
Length	5.0" (12.7 cm)	Length	11.35" (28.8 cm)
Height	1.88" (4.7 cm)	Height	1.43" (3.6 cm)
Depth	1.82 (4.3 cm)	Depth	5" (12.7 cm)
Deck/Grille Mount, Dual Side-by-Side			
Length	9.50" (24.1 cm)		
Height	1.88" (4.7 cm)		
Depth	1.82" (4.3 cm)		
CERTIFICATIONS	SAE J595, Class 1 certified and CA Title 13, Article 22 compliant EMC 72/245/EEC certified and ECE R65 Category X, Class 2 certified (ECE R65 can only be specified with 9 LED single color) (surface, deck/grille and recess mounts only)		
WINDSHIELD MOUNT	SAE J595, Class 1 certified (not amber) and CA Title 13, Article 22 compliant EMC 72/245/EEC certified		
WARRANTY	Five-year		

UNIVERSAL ACCESSORIES

Lights sold separately. Refer to pages 45, 46 and 47 for vehicle specific accessories.

LICENSE PLATE	Surface horizontal mount Surface vertical mount	PNFSLBRK2LPH PNFSLBRK2LPV
90 DEGREE ANGLE	Surface horizontal mount	PNFSLBRK190
DECK/GRILLE MOUNT	Single Dual	PNFSLDGSB PNFSLDGDB



intersec^{or} Under Mirror and Surface Mount Lights

Under Mirror Mount



8 LED, Single Color	ENT2B3(x)
8 LED, Single Color, Xylex Lens	ENT2B3(x)-EU
16 LED, Dual Color	ENT2B3(y)
16 LED, Dual Color, Xylex Lens	ENT2B3(y)-EU
18 LED, Tricolor	ENT2B3(xxx)

Surface Mount



8 LED, Single Color, Black Housing	ENT3B3(x)
8 LED, Single Color, Chrome Housing	ENT3C3(x)
8 LED, Single Color, White Housing	ENT3W3(x)
16 LED, Dual Color, Black Housing	ENT3B3(y)
16 LED, Dual Color, Chrome Housing	ENT3C3(y)
16 LED, Dual Color, White Housing	ENT3W3(y)
18 LED, Tricolor, Black Housing	ENT3B3(xxx)
18 LED, Tricolor, Chrome Housing	ENT3C3(xxx)
18 LED, Tricolor, White Housing	ENT3W3(xxx)

Replace (x), (y) or (xxx) in the Order Number for Standard Color Selection

8 LED Single Colors (x)	A = ● B = ● G = ● R = ● W = ○
16 LED Dual Colors (y)	D = ●○ E = ●○ F = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●
18 LED Tricolors (xxx)	BAG = ●●● BAW = ●●○ BGW = ●●○ GAW = ●●○ RAG = ●●● RAW = ●●○ RBA = ●●● RBW = ●●○ RBG = ●●● RGW = ●●○

Features

Under Mirror Mount

- Light includes 0, 5, 10 and 15 degree mounting wedges and foam gasket
- The first light of its kind to offer critical intersection warning and side warning
- Light is based upon problem solving research - 30% of all emergency vehicle crashes are likely to occur at dangerous intersections
- Unique under-mirror mount simplifies installation - labor saving light is much easier to install than traditional front mirror skull mounts - no mirrors to work behind or around
- Light can be surface mounted to any flat area on any type of vehicle - elevate your safety and visibility by mounting to the headache rack or body of the vehicle wherever additional lighting is needed
- Features cruise mode for steady burn if desired
- Steady-burn white can be specified as a means of providing additional side/alley lighting

Features

Surface Mount

- No other light offers 180 degree output - specially designed reflector amplifies and throws the light at the perfect angle to increase visibility at intersections
- Includes surface mount light in your choice of LED and housing colors, neoprene gasket and mounting hardware for installation
- Patented design, the first light of its kind to offer critical intersection warning and side warning illumination now available with surface mount capabilities

UNIVERSAL ACCESSORIES

Lights sold separately. Refer to pages 45, 46 and 47 for vehicle specific accessories.

UNDER MIRROR	Installation Mount (includes bracket and screws)	PNT1WRRT
SURFACE ADAPTORS	Under Mirror, Curved (sold in pairs)	PNT1CRV01

Intersector Under Mirror and Surface Mount Lights

INPUT VOLTAGE	9-32 Vdc
CURRENT DRAW	8 LED Single Color, <1.3 Amp @ 12.8 Vdc, <0.65 Amp @ 25.6 Vdc 16 LED Dual Color, <1.3 Amp @ 12.8 Vdc, <0.65 Amp @ 25.6 Vdc 18 LED Tricolor, <1.0 Amp @ 12.8 Vdc, <0.5 Amp @ 25.6 Vdc
LIGHT SYNC	24 single sync 2 lighthead
FLASH PATTERNS	12 single, 14 dual or 14 tricolor
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
DIMENSIONS	
Length	2.9" (7.4 cm)
Height	1.9" (4.8 cm)
Depth	2.9" (7.4 cm)
MOUNTING	Under mirror or surface mount
CERTIFICATIONS	SAE J845 Class 1 WS3-1 (100) certified (green is class 3 certified) ECE R10.05 certified

ML6 Flush Mount Light



Single Colors **EML6E20(x)**

Dual Colors **EML6E20(xx)**

Replace (x) or (xx) in the Order Number for Standard Color Selection

Single Colors A = ● B = ● R = ● W = ○

Dual Colors AW = ●○ BA = ●● BW = ●○ GA = ●● RA = ●● RB = ●● RW = ●○

Features

- Compact, flush-mount emergency light to fit seamlessly into any vehicle design
- Features bright warning lights in both single and dual colors

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	1 Amp max @ 12.8 Vdc
LIGHT SYNC	ML6 lights
FLASH PATTERNS	Single: 19 or Dual: 14
OPERATING TEMPERATURE	-30° C to +50° C
DIMENSIONS	
Length	1.38" (3.5 cm)
Height	1.38" (3.5 cm)
Depth	1.18" (2.99 cm)
CERTIFICATIONS	SAE J595, Class 1 certified (single colors) SAE J595, Class 2 certified (dual colors) ECE R65, Class 1, ECE R10.05 certified (amber, blue and red single colors) ECE R10.05 certified (white, single color) ECE R10.05 certified (dual colors)
WARRANTY	Three-year

GHØST

Surface and Deck/Grille Mount Lights

Surface Mounts



Single

Black Housing, 10-16 Vdc
 Chrome Housing, 10-16 Vdc
 White Housing, 10-16 Vdc
 Black Housing, 10-30 Vdc
 Chrome Housing, 10-30 Vdc
 White Housing, 10-30 Vdc

EGHST2(x)B-12
 EGHST2(x)C-12
 EGHST2(x)W-12
 EGHST2(x)
 EGHST2(x)C
 EGHST2(x)W

ECE R65 Certified, Xylex Lens

Black Housing, 10-16 Vdc
 Chrome Housing, 10-16 Vdc
 White Housing, 10-16 Vdc

EGHSTE2(x)B-EU
 EGHSTE2(x)C-EU
 EGHSTE2(x)W-EU

ECE R65/EMC Certified

Black Housing, 10-30 Vdc
 Chrome Housing, 10-30 Vdc
 White Housing, 10-30 Vdc

EGHSTE2(x)B
 EGHSTE2(x)C
 EGHSTE2(x)W

Amber, blue or red LED solid color options only on certified lights



Single Stop/Tail

Black Housing, 10-30 Vdc
 Black Housing, 10-30 Vdc
 Chrome Housing, 10-30 Vdc
 White Housing, 10-30 Vdc
 White Housing, 10-30 Vdc

EGHSTT2(x)B
 EGHSTT2(x)B
 EGHSTT2(x)C
 EGHSTT2(x)W
 EGHSTT2(x)W

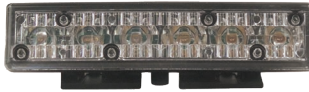


Single Spot

Black Housing, 10-30 Vdc
 Chrome Housing, 10-30 Vdc
 White Housing, 10-30 Vdc
 White LED, solid color

EGHSTS2W
 EGHSTS2WC
 EGHSTS2WW

Deck/Grills Mounts



Single Multi

Black Housing, 10-16 Vdc
 White Housing, 10-16 Vdc
 Black Housing, 10-30 Vdc
 White Housing, 10-30 Vdc
 ECE 65/EMC Certified

EGHST1(x)-12
 EGHST1(x)W-12
 EGHST1(x)
 EGHST1(x)W

Black Housing, 10-16 Vdc

EGHSTE1(x)B

ECE 65/EMC Certified

White Housing, 10-16 Vdc

EGHSTE1(x)W

Xylex Lens

Black Housing, 10-16 Vdc
 White Housing, 10-16 Vdc

EGHSTE1(x)B-EU
 EGHSTE1(x)W-EU

Amber, blue or red LED solid color options only on xylex lens lights

Single Stop/Tail Multi

Black Housing, 10-16 Vdc
 White Housing, 10-16 Vdc
 Red LED, solid color

EGHSTTR
 EGHSTTRW

Single Spot Mount

Black Housing, 10-30 Vdc
 White Housing, 10-30 Vdc
 White LED, solid color

EGHSTS1W
 EGHSTS1WW

UNIVERSAL ACCESSORY

Lights sold separately. Refer to pages 45, 46 and 47 for vehicle specific accessories.

ROCK MOUNT

Deck/Grille (includes mounting hardware)

PMP4BKRKLB

GHOST Recess Mount Lights

Recess Mounts



Single Mount

Black Housing, 10-16 Vdc

EGHST5(x)B-12

Chrome Housing, 10-16 Vdc

EGHST5(x)C-12

Black Housing, 10-30 Vdc

EGHST5(x)B

Chrome Housing, 10-30 Vdc

EGHST5(x)C

ECE R65/EMC Certified, Xylex Lens

Black Housing, 10-30 Vdc

EGHSTE5(x)B-EU

Chrome Housing, 10-30 Vdc

EGHSTE5(x)C-EU

Black Housing, 10-30 Vdc

EGHSTE5(x)B

ECE R65/EMC Certified

Chrome Housing, 10-30 Vdc

EGHSTE5(x)C

Amber, blue or red LED solid color options only on certified lights

Single Stop/Tail Mount

Black Housing, 10-30 Vdc

EGHSTT5(x)B

Chrome Housing, 10-30 Vdc

EGHSTT5(x)C

Single Spot Mount

Black Housing, 10-30 Vdc

EGHSTS2WB

Chrome Housing, 10-30 Vdc

EGHSTS2WC

White LED, solid color

Replace (x) in the Order Number for Standard Color Selection

Solid Colors A = ● B = ● G = ● R = ● W = ○

Split Colors A = ● B = ● G = ● R = ● W = ○ D = ●○ E = ●○ F = ●○ J = ●● K = ●● L = ●● M = ●●
N = ●● P = ●●

Features

- Fits almost anywhere with premium optics offer optimal power and brightness
- Premium optics offer optimal power and brightness

INPUT VOLTAGE	10-16 Vdc or 10-30 Vdc
CURRENT DRAW	<0.75 Amp (flash pattern dependent)
LIGHT SYNC	4 single sync, 1 lighthouse
FLASH PATTERNS	33 flash patterns
LED COUNT	6 LEDs
OPERATING TEMPERATURE	-40° C to +65° C / -40° F to +149° F
DIMENSIONS	Single Multi, Single Stop Tail Multi, Single Spot or Rock Length 5.7" (14 cm) Height 1.06" (2.7 cm) Depth 1.8" (4.6 cm) Length 5.4" (14 cm) Height 2.4" (6.1 cm) Depth 1" (2.5 cm)
MOUNTING	Multi Includes three mounting options; permanent, single edge and 3M adhesive mounts 4" (10 cm) L x 0.9" (2.3 cm) H x 1.8" (4.6 cm) D Rock 4.8" (12 cm) L x 2" (5.1 cm) H x 1.6" (4.1 cm) D Stop/Tail Multi Includes two mounting options; permanent and 3M adhesive mounts
CERTIFICATIONS	SAE J595 Class 1 certified CA Title 13, Article 22 compliant EMC certified, 72/245/EEC ECE R65, Category X, Class 1 certified
WARRANTY	Five-year

Universal UnderCover LED Insert



10 feet cable length **ELUC3H010(x)**
 25 feet cable length **ELUC3H025(x)**

Replace (x) in the Order Number for Standard Color Selection

Solid Colors A = ● B = ● G = ● R = ● W = ○
Dual Colors D = ●○ E = ●○ F = ●○ H = ●○ J = ●● K = ●● L = ●● M = ●● N = ●● P = ●●

Features

- Features separate color control capability
- Secondary function can be flashing or steady burn
- Includes extreme angle lens, inline flasher and cable for hardwire installation
- Use with optional bezels to surface mount to any flat area on the vehicle body for additional lighting anywhere
- Compatible with the ConfigureIT system for easy light programming

INPUT VOLTAGE	9-32 Vdc
CURRENT DRAW	<.65 Amp (flash pattern dependent) @ 12.8 Vdc, <0.33 Amp @ 25.6 Vdc
LIGHT SYNC	24 single, sync 2 lightheads
FLASH PATTERNS	12 single color or 14 dual color
LED COUNT	6 LEDs
OPERATING TEMPERATURE	-40° C to +65° C
DIMENSIONS	Insert
Height	.9" (2.3 cm)
Diameter	1.5" (3.8 cm)
	Bezel
Height	1.65" (4.2 cm)
Diameter	.63" (1.6 cm)
Length	2.2" (5.6 cm)
MOUNTING	Headlight and taillight mounts into 1" diameter cutout Screw-in surface mount with optional bezel Bezel mounts on 1.89" (4.8 cm) centers Twist-in or push-in options are also available

UNIVERSAL ACCESSORIES

Light and replacement modules sold separately.

BEZELS	Black (includes mounting gasket and hardware) Chrome (includes mounting gasket and hardware) White (includes mounting gasket and hardware)	PLUC2HSB PLUC2HSC PLUC2HSW
LENS	Extreme angle Horizontal Vertical	PLUC2LN1E PLUC2LN1H PLUC2LN1V

Warning Marker and Recess Lights

Marker



Two Inch, Round

Amber LEDS/Amber Lens

ECVML202Y

Grommet and Mating Harness

Red LEDS/Red Lens

ECVML202R

Grommet and Mating Harness

Amber LEDS/Amber Lens

ECVML203Y

Integrated Waterproof Flange Mount

Red LEDS/Red Lens

ECVML203R

Integrated Waterproof Flange Mount



Two and a Half Inch, Round

Amber LEDS/Amber Lens

ECVML252Y

Grommet and Mating Harness

Red LEDS/Red Lens

ECVML252R

Grommet and Mating Harness

Amber LEDS/Amber Lens

ECVML252Y-D

Grommet and Deutsche Connector

Red LEDS/Red Lens

ECVML252R-D

Grommet and Deutsche Connector

Amber LEDS/Amber Lens

ECVML252Y-D24V

24 Volt with Grommet and Deutsche Connector

Red LEDS/Red Lens

ECVML252R-D24V

24 Volt with Grommet and Deutsche Connector



License Plate, Compact

Standard

ECVLPBLED

Deutsch Connector

ECVLPBLED-D

TWO INCH

FMVSS 108 certified; Sidemarkers Lamp, P2 rated; Clearance, Sidemarkers and LD Lamp, P3 rated; SAE J592 and J2042 certified

TWO AND A HALF INCH

FMVSS 108 certified; Sidemarkers Lamp, P2 rated; Clearance, Sidemarkers and LD Lamp, P3 rated; SAE J592 and J2042 certified

LICENSE PLATE

FMVSS 108 certified and SAE J587 certified

Recess



Four Inch, Round

Amber LEDS/Clear Lens

ERDREBZA



Six Inch, Oval

Amber LEDS/Clear Lens

EOVREBZA

FOUR INCH

SAE J595 certified and California Title 13, certified compliant

SIX INCH

SAE J595 Class 1 certified

UNIVERSAL ACCESSORY

Light sold separately.

DRESS RING

Recess, six inch oval chrome

ECV06CHRM



Chevrolet Vehicle Specific Perimeter Accessories

Lights and modules sold separately.

mpower® FASCIA BRACKET KITS

REAR SPOILER, STUD MOUNTS

Tahoe, 2015-2020

Four inch, three lights per passenger and driver side

PMP2RSBTH3

Four inch, four lights per passenger and driver side

PMP2RSBTH4

UNDER MIRROR MOUNTS

Silverado, 2018 and 2019

Three inch, stud and quick mount

PMP1BKUMB2

Tahoe, 2015-2020

Three inch, stud and quick mount

PMP1BKUMB3

Three and four inch, stud and quick mount, driver side

PNT3BKUMB3-D

Three and four inch, stud and quick mount, passenger side

PNT3BKUMB3-P

GMC Sierra, 2018 and 2019

Three inch, stud and quick mount

PMP1BKUMB2

nFORCE® BRACKET KITS

REAR SPOILER, SURFACE MOUNTS

Tahoe, 2015-2020

Rear spoiler, single

PNFSLRSBUVS

Tahoe, 2015-2020

Behind grille, passenger and driver side

PNFSLDGSB-TH

BRACKET

Tahoe, 2015-2020

Front deck/grille, driver and passenger side

PGHSTDGSB-TH

FOG LIGHT KIT

SURFACE MOUNT

Tahoe, 2015-2020

Fog light bezels, mounting plates and hardware, driver and passenger side

PNFSLFLKTTTH

Intersector BRACKET KITS

UNDER MIRROR MOUNTS

Tahoe, 2015-2020

Surface mount, driver

PNT3BKUMB3-D

Surface mount, passenger

PNT3BKUMB3-P

BRACKETS

DECK/GRILLE MOUNTS

Tahoe, 2015-2020

Spoiler bracket

PNT3DG8B-TH

Mount

PNT3DG8B

SURFACE ADAPTOR

UNDER MIRROR

Caprice, 2011-2017

Curved, sold in pairs

PNT1CRV02

GHOST® BRACKETS

SINGLE SURFACE MOUNT

Tahoe, 2015-2020

Behind the grille installation, driver and passenger side

PNFSLDGSB-TH

Vertical license plate installation

PNFSLBRK2LPV

SINGLE DECK/GRILLE MOUNT

Tahoe, 2015-2020

Front deck/grille, driver and passenger side

PGHSTDGSB-TH



Ford Vehicle Specific Perimeter Accessories

Lights and modules sold separately.

mpower® Fascia BRACKET KITS

REAR SPOILER, STUD MOUNTS

PI Utility, 2020

Four inch, one light per driver and passenger side	PMP2RS102
Four inch, two lights per driver and passenger side	PMP2RS202
Four inch, three lights per driver and passenger side	PMP2RS302
Four inch, four lights per driver and passenger side	PMP2RS402
Hardware kit, mpower arrow	PMPAKH05

Three and four light configurable arrow kit options. Contact your sales representative.

UNDER MIRROR MOUNT

PI Utility, 2020

Three and four inch, stud and quick mount, driver and passenger side	PMP2BKUMB4
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PI Utility, 2015-2019

Four inch, one light per driver and passenger side	PMP2RSBUV1
Four inch, two lights per driver and passenger side	PMP2RSBUV2
Four inch, three lights per driver and passenger side	PMP2RSBUV3
Four inch, four lights per driver and passenger side	PMP2RSBUV4
Four x Two inch, one light per driver and passenger side	PMP2RS101
Four x Two inch, two lights per driver and passenger side	PMP2RS201
Four x Two inch, three lights per driver and passenger side	PMP2RS301
Four x Two inch, four lights per driver and passenger side	PMP2RS401
Hardware kit, mpower arrow	PMPAKH04

nFORCE® BRACKETS

REAR SPOILER, SURFACE MOUNTS

PI Utility, 2011-2020

Rear spoiler, single	PNFSLRSBUVS
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PI Utility, 2011-2020

Dual, driver side	PNFSLRSBUVD
Dual, passenger side	PNFSLRSBUVP

PI Utility, 2011-2017

Dual, driver and passenger side	PNFSLRSBTH
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45 DEGREE ANGLE, SURFACE MOUNT

PI Utility, 2011-2017

Horizontal mount	PNFSLBRK145
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Intersector BRACKET KITS

PI Utility, 2016-2019

PMP2BKUMB1

PI Utility, 2020

PMP2BKUMB4

SURFACE ADAPTOR

UNDER MIRROR

Explorer, 2013-2017

PNT1CRV05

Sedan, 2013-2017

PNT1CRV04

Lights and modules sold separately.

Lights and modules sold separately.

mpower® FASCIA BRACKET KITS

REAR SPOILER, STUD MOUNTS

Durango, 2011-2020

Four inch

PMP2RSBDG3

UNDER MIRROR MOUNTS

Durango, 2016-2020

Three and four inch, stud and quick mount

PNT3BKUMB4

Durango, 2018-2020

Three inch, stud and quick mount

PMP1BKUMB1

Ram 1500 Classic, 2014-2020

Three and four inch, stud and quick mount, driver side

PNT3BKUMB2-D

Three and four inch, stud and quick mount, passenger side

PNT3BKUMB2-P

Intersector BRACKET KITS

UNDER MIRROR MOUNTS

Durango, 2016-2020

PNT3BKUMB4

Durango, 2018-2020

PMP1BKUMB1

Ram 1500 Classic, 2014-2020

Surface mount, driver

PNT3BKUMB2-D

Surface mount, passenger

PNT3BKUMB2-P

SURFACE ADAPTOR

UNDER MIRROR

Charger, 2011-2020

PNT1CRV03

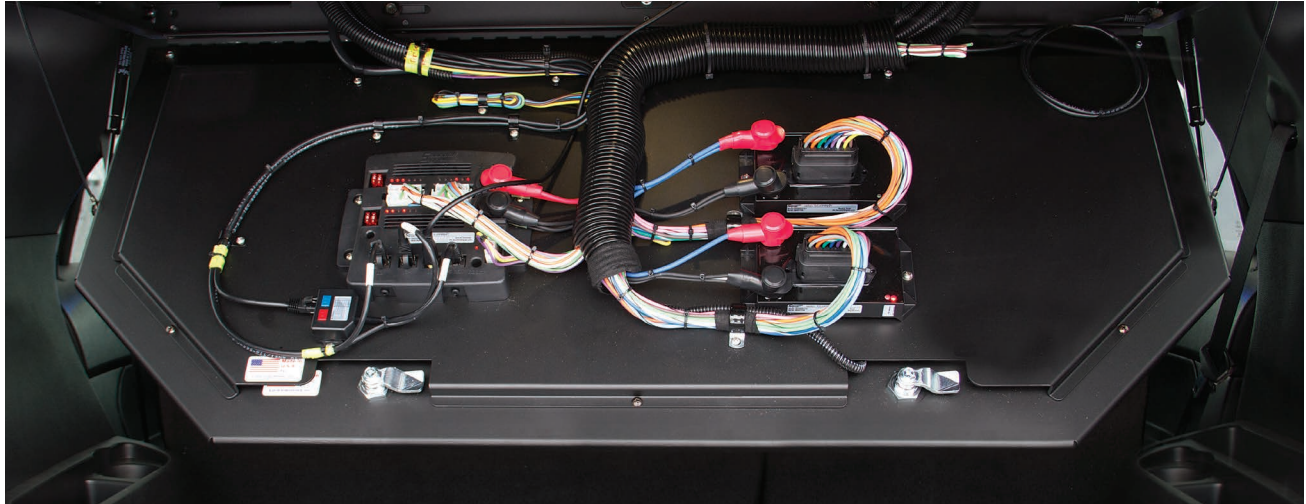
Durango, 2013-2019

PNT1CRV06

bluePRINT[®] 3 Control System

Take Total Control of Your Warning System!

A bluePRINT-equipped vehicle is state-of-the-art and uses vehicle data and other inputs to inform and modify the warning system profile in real time. Agencies benefit with improved policy and law compliance, situation-specific warning profiles, automatic dimming and flash rate adjustments and diagnostics.



bluePRINT provides benefits for installers as well. Upfits become more standardized, reliability is improved and accessories like relays, diodes, timers and fuse blocks are often eliminated. bluePRINT's LINK, a plug-n-play CANbus interface, protects vehicle circuit integrity by eliminating the time and risk of modifying original vehicle wiring.

SoundOff lightbars integrate fully and easily into the system. Secondary lights become remote units, as the system will control their functions, including cruise, low power and flash patterns.

Accessories, like cameras, radios and radars, can be powered through bluePRINT to eliminate parasitic drains and provide load shed protection.



Powerful Inputs and Outputs

Scalable and capable, bluePRINT offers up to 82 outputs, 96 inputs, 24 virtual inputs, and 450 amps of power distribution to handle any task. More than 50 vehicle CANbus signals are available to work.



Diagnostics

Real-time Windows PC-to-vehicle diagnostic connection provides immediate input/output and CANbus status. Technicians can view current and historical faults, reset outputs, and monitor current. Additionally, all inputs and outputs can be toggled on or off for validation testing of programmed functions and connected devices. with. As many as five Remote Nodes can be used to simplify and consolidate wiring. bluePRINT can even run two control heads to provide added flexibility.



Plan > Prioritize > Program

bluePRINT's Windows-based app allows you to configure your system, name and assign input/output relationships, create logic functions and prioritize system actions with the click of a mouse. Once configured, the program is simply uploaded to bluePRINT allowing for rapid multi-vehicle cloning. Full software support including training is available.



Sync for Safety

SoundOff Signal's exclusive Sync technology provides true multi-vehicle flash pattern synchronization to improve warning messages. No ongoing fees, no need for connectivity and minimal hardware gets you up and running quickly.

bluePRINT³ Control System

Improve Safety and Efficiency.
Eliminate Point-to-Point Wiring.
Improve System Reliability and Convenience.



bluePRINT 3 Central Controller

bluePRINT 3 central controller requires the bluePRINT 3 app



Multi-Function Siren Features

- Button or knob options available
- 100 or 200 watt options available
(two speakers required with 200 watt siren)

500 Series Siren (refer to page 54)



Dual-Tone Siren Feature

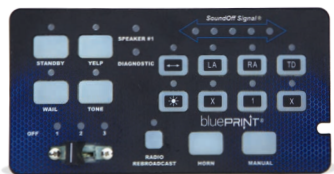
- 100 or 200 watt options available



Remote Node



Input Node



Remote Control Panel Features

- Button or knob remote options available
- Fifteen programmable buttons



100 Watt Siren (sealed)



Handheld Control

INPUT VOLTAGE	10-16 Vdc (negative ground)
OPERATING TEMPERATURE	-40° C to +65° C (remote node up to 85° C)
TOTAL SYSTEM INPUTS Up to 42 Total Inputs	Central Controller Ignition Input Remote Node: 4 each (up to 5 remote nodes can be used throughout vehicle)
TOTAL SYSTEM OUTPUTS Up to 86 Total Outputs	Central Controller: up to 4 constant on and 20 programmable outputs Remote Nodes: 10 each (up to 5 remote nodes can be used throughout vehicle) 400 Series PA: 12 non-flashing programmable relay outputs; 3 are 20 Amp outputs
TOTAL SWITCHING CURRENT Up to 450 Amps Total	Central Controller: 100 Amp total Remote Node: 50 Amp each (up to 5 nodes) 400 Series PA: 100 Amp total
SOFTWARE REQUIREMENTS PC or Tablet (used only for initial programming and diagnostics)	Windows 7 SP1 or later Pentium 1GHz or higher Minimum 512 MB of RAM Minimum disk space of 5 GB NET 4.5 Library (will be prompted to download if not already installed, .Net 4.6) USB 1.1 or higher, cable with Type B plug

bluePRINT³ Link[®] Module

When used with the bluePRINT controller, the bluePRINT Link module allows access to a variety of the vehicle's data parameters.



Module



Central Cable



Vehicle Specific Network Cable

Features

- By incorporating the bluePRINT Link module into the vehicle, the need to splice into discrete wire triggers can be greatly reduced
- Reduces time that is required to install a bluePRINT system into a vehicle
- Increases system reliability due to issues when wiring into discrete triggers
- Provides access to vehicle parameters that may not have been available via discrete wires, such as door status, battery voltage, and vehicle speed, to name a few
- Vehicle parameters can be mapped as input triggers to automate the control of vehicle lighting

Vehicle Models and Years

Chevrolet Models

Years

GMC Savana Vans.....	2008-2019
GMC Yukon.....	2014-2020
Express Vans	2008-2019
Silverado Pickup Trucks	2014-2019
Sierra Pickup Trucks	2014-2019
Suburban	2014-2020
Tahoe.....	2014-2020

FCA

Models

Years

Charger Pursuit.....	2015-2019
1500, 2500, 3500, 4500 and 5500.....	2013-2019
RAM Pickup Trucks	
Durango Pursuit.....	2018-2019

Ford Models

Years

E-Series Super Duty Vans.....	2009-2019
E-350 Super Duty Vans	2009-2017
Expedition	2015-2019
F-250, F-350, F-450 and F-550 Pickup Trucks	2011-2018
PI Sedan.....	2013-2018
PI Utility.....	2013-2020
Escape	2016-2017
Transit Van	2015-2018
Explorer	2016-2018
F-150.....	2015-2020
F-150 Responder	2015-2019

WARRANTY

Three years from the in-service date (if the warranty registration is completed on-line)

Visit <https://www.soundoffsignal.com/product-registration/> to register this product

One year from the date the product was shipped (if the warranty registration was not completed)

Contact your sales representative for latest vehicle models and years.



GPS Module and Antenna **ENGSYM01**



Antenna Service Part **ENGSYAT01**

Features and Requirements

What is bluePRINT Sync?

- bluePRINT Sync is an add-on component for the bluePRINT 3 System
- It provides true warning system coordination between vehicles
- Sync-equipped emergency vehicles will automatically flash in perfect timing when using the same pattern
- Because of bluePRINT's flexibility in programming, single and multi-color patterns can be set to match or be different based on environmental and operator variances
- When matched with bluePRINT LINK, Sync becomes the industry's first lighting sync system that can be programmed to automatically change colors, patterns or intensities based on input from the vehicle such as speed, and ambient lighting

Why use bluePRINT Sync?

- Improved warning messages. Slow, medium or fast patterns are much more effective and noticeable when multiple vehicles are utilizing synchronized patterns
- Reduced distractions and confusion of multiple, random flashing lights. Approaching drivers can better judge the emergency vehicle's status
- Improved work area visibility for officers and other roadway users
- Enhanced professional image of all warning or response vehicles on a scene
- Enhanced tactical presence of police by calming scenes and implying control

How Does it Work?

- bluePRINT Sync utilizes GPS technology to keep patterns in sync. Car-to-Car communication is not necessary with this technology
- Using GPS technology means there is no required distance for vehicles to synchronize patterns. They are always in sync, no matter how far they are from one another
- Since bluePRINT Sync works in the background to synchronize patterns, there are ideas that should be discussed with bluePRINT users and programmers regarding the best way to utilize the technology

Hardware Requirements

Only a bluePRINT Central Controller with firmware version 3.08 and newer is required for use with bluePRINT Sync

Software Requirements

All programming for bluePRINT require access to the bluePRINT Configuration Software. Sync is supported in bluePRINT version 3.8.2 and newer

Antenna Recommendation

SoundOff Signal only offers technical GPS support using the included GPS antenna Using an antenna other than the recommended can possibly damage the bluePRINT Sync module. Damage to the Sync module from improper antenna usage is not covered

INPUT VOLTAGE 10-16 Vdc

OPERATING TEMPERATURE - 40° C to +65° C

CURRENT DRAW <100mA @ 12.8 Vdc

SYSTEM REQUIREMENTS bluePRINT 3 app must be utilized to configure the system
Central controller must have v3.08 or later installed

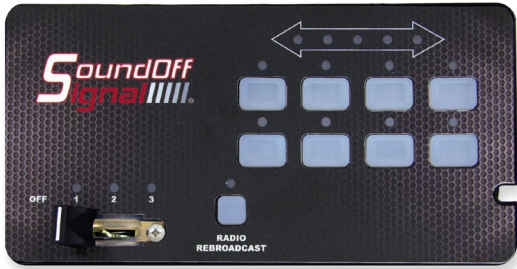
DIMENSIONS

Module Length 3.4" (8.6 cm) Height 0.9" (2.2 cm) Depth 1.6" (4.1 cm)

Antenna Base Length 1.6" (4.0 cm) Height 0.4" (1.0 cm) Depth 1.5" (3.7 cm)

WARRANTY One-year

SoundOff Signal Control System



Eight Button Controller with Slide Switch

ETCPRSP01

Features

- Similar to the 400 Series remote PA control panel without having the PA tone control
- Retains radio rebroadcast and PA features for applications that do not require tone controls
- Provides up to seven 10 amp and three 20 amp outputs with internal fuses for powering solenoids (amplifier required) or supplying power and signaling to other onboard peripherals (printer, GPS, etc.)
- Built-in protection against over/under voltage, short circuit and reverse polarity
- Features an eight-second buzzer alert to notify users that the level or auxiliary buttons are activated
- Cabling setup is the same as the 400 PA Series allowing for easy swap-in
- Dimmable green LED backlighting
- Dual control panel capability

INPUT VOLTAGE	10-16 Vdc		
DIMENSIONS			
Handheld Panel	Length 6.98" (17.73 cm)	Height 3.51" (8.92 cm)	Depth 1.17" (2.98 cm)
Remote Amplifier/Relay	Length 7" (17.80 cm)	Height 2.62" (6.66 cm)	Depth 6.51" (16.54 cm)
WARRANTY	Three-year		

500 Series

Remote, Console and Handheld Sirens

Remote



Knob option shown.

Button

100 Watt

ENGSA581RSP

200 Watt

ENGSA582RSP

Knob

100 Watt

ENGSA581RSR

200 Watt

ENGSA582RSR

Console



Button option shown.

Button

100 Watt

ENGSA581CSP

200 Watt

ENGSA582CSP

Knob

100 Watt

ENGSA581CSR

200 Watt

ENGSA521CSR

Handheld



100 Watt

ENGSA561HPP

200 Watt

ENGSA562HPP

Built in bluePRINT® 3.0 Functionality

- Flash and dimming options (15 internal solid state outputs)
- Load Shed
- Matrix programming
- Scalable architecture allows the addition of up to 40 discrete inputs, 24 OBD inputs and 50 outputs
- CAN connectivity
- Control of two lightbars without the need for an external breakout box
- USB programmability
- New software application

Enhanced Output/Input Capability

- 20 Outputs
- Up to 75A total internal switching
- Eight discrete inputs

Other Siren Features

- 200 watt dual tone and 100 watt versions
- New mechanical tones
- Radio rebroadcast input
- Allows simultaneous use of two control panels with independent microphone inputs
- Improved audio quality with high capacitance internal filtering

nERGY® 400 Series

Remote, Console and Handheld Sirens

Remote



Knob

100 Watts
200 Watts

ETSA481RSR
ETSA482RSR



Button

100 Watts
200 Watts

ETSA481RSP
ETSA482RSP

Console



Knob

100 Watts
200 Watts

ETSA481CSR
ETSA482CSR



Button

100 Watts
200 Watts

ETSA481CSP
ETSA482CSP

Handheld



100 Watt
200 Watt

100 Watt (13 feet coil cable length)
200 Watt (13 feet coil cable length)

ETSA461HPP
ETSA462HPP
ETSA461HPP-EXT
ETSA462HPP-EXT

Note: 2 speakers required with the 200 watt version sirens.

Features

Remote, Console and Handheld Sirens

- 200 watt sirens feature dual-tone capability to deliver two siren tones at once to provide officers with extreme "traffic moving" capability
- Designed with extra large buttons with appropriate spacing to eliminate buttons to be accidentally pressed
- Provides up to eight 10 amp and three 20 amp outputs with internal fuses for powering solenoids (i.e. gun lock) or supplying power and signaling to other on board peripherals (printer, radar, GPS, etc.)
- Built-in protection against over/under voltage, short circuit and reverse polarity

nERGY 400 Series Remote, Console and Handheld Sirens

Features (continued)

Remote Sirens

- Removable microphone with quarter inch plug (remote with knob)
- Officers value the sound intensity of the dual-tone feature “fooling” perpetrators into believing multiple police vehicles are in pursuit
- Hands-free feature allow siren tones to be cycled or cancelled by pressing horn (horn-ring circuit must be connected)

Console Sirens

- Unlike other competitors, nERGY offers two console versions. One version has a five position rotary switch and the other features a four push button switch
- Horn ring scroll provides ability to quickly change tones with the tap of the horn

Handheld Siren

- Provides unique advantages unlike any product on the market today: LED, alley and arrow handheld switch indicators for convenient viewing and extensive programmability
- Horn ring scroll provides ability to quickly change tones with the tap of the horn

WATTS	100 and 200 Watts (2 speakers required with the 200 watt version sirens)
INPUT VOLTAGE	10-16 Vdc
DIMENSIONS	
Remote Sirens	
Handheld Panel	
Height	3.51" (8.92 cm)
Width	6.98" (17.73 cm)
Depth	1.17" (2.98 cm)
Amplifier/Relay	
Height	2.62" (6.66 cm)
Width	7" (17.80 cm)
Depth	6.51" (16.54 cm)
Console Sirens	
Console Faceplate	
Height	3.17" (8.5 cm)
Width	7.54" (19.15 cm)
Amplifier/Relay	
Height	2.64" (6.73 cm)
Width	7.02" (17.84 cm)
Cut-out	
Height	2.72" (6.91 cm)
Width	7.10" (18.034 cm)
Handheld Siren	
Panel	
Height	3.51" (8.92 cm)
Width	6.98" (17.73 cm)
Depth	1.17" (2.98 cm)
Amplifier/Relay	
Height	2.62" (6.66 cm)
Width	7" (17.80 cm)
Depth	6.51" (16.54 cm)
CERTIFICATIONS	
Meets or exceeds SAE J1849	
CA Title 13 sound levels when used with SoundOff Signal® speakers	
WARRANTY	
Five-year	

200 Series Remote Sirens

PA FUNCTION

Remote Amplifier and Remote Switch Panel



Single 100 Watt (connector sold separately)
Molex Connector and Mating Harness is Weatherproof
Delphi Connector and Mating Harness

ETSA200R-PA
ETSA200RA-PA
ETSA200RW-PA

COMPACT

Remote Amplifier and Remote Switch Panel



100 Watt
Molex Connector and Mating Harness
Delphi Connector and Mating Harness

ETSA200R
ETSA200RA
ETSA200RW

Features

PA Function

- The microphone includes a pre-amp, 15 feet of power and signal cable, adjustable gain and a three-pin removable connector
- The pre-amp features an additional gain adjustment

Compact

- Compact siren has a small, remote amplifier to fit tight spaces for undercover vehicles or motorcycles

PA Function and Compact

- Class D technology with high speed digital switching provides higher efficiency, less current draw and better reliability
- Operates a single 100 watt speaker or dual 58 watt speaker (compact, remote amplifier only)
- Five warning tones (up to three tones can be activated) wail, yelp, piercer, hi-lo or super hi-lo, an additional four air horn tones available
- Horn ring (hands free operation) controls the tones and can be programmed to broadcast warning or air horn tones.
- Volume can be set for the public address (PA) and radio rebroadcast within the 200R amplifier; this feature can be pre-set to a desired level during installation
- Park/kill feature disables the siren when the vehicle is placed in park
- Built-in protection against over/under voltage, over temperature, short circuit and reverse polarity
- Hermetically sealed, providing protection in wet areas

WATTS	100 Watts		
INPUT VOLTAGE	10-30 Vdc		
DIMENSIONS	Height 2.3" (5.8 cm)	Width 5.4" (13.7 cm)	Depth 4.6" (11.6 cm)
CERTIFICATIONS	Meets or exceeds SAE J1849, CA Title 13 sound levels when used with SoundOff Signal® speakers ECE R10.05 certified (compact siren only)		
WARRANTY	Two-year		

100J Series Composite Speaker



Two-year warranty
Five-year warranty
Shown with bail bracket.

ETSS100J
ETSS100J5

Vehicle Specific Brackets

Speaker sold separately.

CHEVROLET	Silverado1500	2019.5-2020	Frame mount, driver side	ETSSVBK02
		2019.5-2020	Frame mount, passenger side	ETSSVBK03
	Tahoe and Tahoe PPV	2021	Bumper mount, no drill, holds up to two speakers	ETSSVBK07
DODGE	Charger	2011-2020		ETSS100CBKDC11
	Charger	2015-2020	Bumper mount, no drill	ETSS100CBKDC15
	Durango Pursuit	2018-2020	Bumper mount no drill, holds up to two speakers	ETSSVBK05
FORD	F-150	2018-2020	Grille Mount (holds two speakers)	ETSSVBK04
	PI Utility	2020	Bumper Mount (no drill)	ETSSVBK01

Features

- Composite housing creates electrical isolation from vehicle chassis to extend product life
- Weather tested, glass reinforced nylon material will not corrode like a traditional aluminum speaker
- Designed for passive water and moisture egress
- Designed for clear, powerful output using neodymium magnet
- Compact design with powerful 100 watt output
- Ferro-fluid filled coil
- Includes universal bail bracket
- Meets CA Title 13, Class A when used with SoundOff Signal siren amplifier

WATTS	100 Watts	
DIMENSIONS	Without Bracket	With Bracket
	Height	6.75" (17.1 cm) 7.5" (19 cm)
	Width	6.75" (17.1 cm) 6.88" (17 cm)
	Depth	3.5" (8.9 cm) 3.5" (8.9 cm)
WARRANTY	ETSS100J Two-year	ETSS100J5 Five-year

100U Series Composite Speaker

Coming Soon!

Contact your sales representative regarding product availability.



LF Aftershock Siren System



Siren System, Includes Universal Bracket

100 Watt Speaker, 200 Watt Amplifier **ETSKLF100**

Two (2) 100 Watt Speakers, 200 Watt Amplifier **ETSKLF200**

Speaker, Includes Universal Bracket

Low Frequency Speaker, 100 Watt **ETSSLF100**

Vehicle Specific Brackets

Speaker sold separately.

CHEVROLET	Silverado 1500	2019-2020	Frame Mount (no drill)	ETSSLFVBK08
<i>Note: last 6 months of 2019 only, VIN begins with 1G</i>				
DODGE	Charger	2011-2019	Lower Frame Mount (no drill)	ETSSLFVBK08
	Durango	2016-2019	Upper and Lower Frame Mount	ETSSLFVBK01
	Durango	2016-2019	Lower Frame Mount (no drill)	ETSSLFVBK02
	Ram 1500	2014-2018	Frame Mount Bracket (no drill)	ETSSLFVBK12
	Ram 1500 4th GEN, SSV and Classic	2019-2020	Frame Mount Bracket (no drill)	ETSSLFVBK12
	Ram 2500-3500	2014-2018	Frame Mount Bracket (no drill)	ETSSLFVBK12
<i>Exception: Ram 2500-3500 Diesel Engines and 2500 Power Wagon mounts one speaker to either driver or passenger side</i>				
FORD	PI Utility	2015-2019	Lower Frame Mount	ETSSLFVBK03
	PI Utility	2020	Lower Frame Mount	ETSSLFVBK07
	PI Utility	2020	Driver Side	ETSSLFVBK09
	F-150	2018-2020	Lower Frame Mount (no drill)	ETSSLFVBK11

Features

- Highly effective low frequency sound waves create deep warning tones for enhanced traffic clearing
- Ideal for areas with heavy traffic and busy intersections
- Includes universal bracket

800 Series

Multi-purpose Control Panels

Eight-button Controller and Power Module



Multi-purpose

ETCMP801

Eight-button Controller, Low Current



Multi-purpose, Low-current

ETCMP802

Features

- Eight button programming and directional arrow function
- Eight switch control panel with three 10 amp and five 0.2 amp outputs for auxiliary device power or function activation (multi-purpose)
- Eight switch control panel with three 0.2 amp and four 0.1 amp outputs for auxiliary device power or function activation (multi-purpose, low current)
- Back lit rubber touch buttons
- Suction mount bracket and hardware included

INPUT VOLTAGE	10-24 Vdc	
INPUT CURRENT	Multi-purpose: Peak 32A, Average 21A / Min .01A	
OUTPUT CURRENT	Multi-purpose, low current: 3 x 0.2 amp + 4 x 0.1 amp	
CONTROL PANEL CABLE	Multi-purpose: 8 pin RJ45 cable, 24 AWG, 4m Multi-purpose, low current: 36", 22AWG 10 pin cable with mating 12" jumper harness	
OPERATING TEMPERATURE	-30° C to +65° C	
DIMENSIONS	Power Module	Control Panels
Length	4.4" (11.2cm)	3.81" (9.69cm)
Height	3.5" (9cm)	2.7" (6.88cm)
Depth	1.05" (2.67 cm)	1" (2.55cm)

Flashers

LED Light



Two Output, Eight Flash Patterns

ETFFC02LED

Features

- Synchronizes all LED warning lights, overrides all SoundOff Signal® LED warning lights to take over pattern control
- Two LED flashers offer seven user selectable flash patterns
- For use with LED lights only

Headlight



8-30 Vdc, 18 Inch Wire Leads

ETHFSS-SP

8-30 Vdc, 12v Isolation

ETHFSS-FV

(for systems requiring electrical isolation)

Amp Connector and Harness, 9.5 Amp

ETHFSS-SPFL

Isolation Model, 12v

ETHFSS-SP-ISO

Features

- Select-a-Pattern Technology with eight user selectable flash patterns
- Ideal for most "big three" car models - designed for two to four headlight positive side switched headlight systems
- Durable and non-corrosive ABS plastic housing
- 100% solid state output, potted design for long-lasting, reliable performance
- Positive switching

Headlight Plug-in, Vehicle Specific



Chevrolet Caprice, 2011+

ETHFSS-CP

Chevrolet Tahoe, Solid State 2007+

ETHTAH0-07+

Features

- Single flash pattern, PowerPulse
- Features high beam override
- Built-in shutdown protection against loss of ground, short circuit and under voltage
- Durable and non-corrosive ABS plastic housing
- 100% solid state, potted design for long-lasting, reliable performance



Dodge Ram, 2018-2020

ETHFK01

Features

- Select-A-Pattern technology which includes seven flash patterns
- Easy installation with plug-in connectors
- Durable and non-corrosive ABS plastic housing
- Positive switching
- 8-30 Vdc, 9.5 Amp output, isolated
- 100% solid state, potted design for long-lasting, reliable performance

Headlight Plug-in, Vehicle Specific

continued...

Ford PI Utility, 2016 and 2017

ETHFFUT-16



Features

- Select-a-Pattern Technology with seven user selectable flash patterns: PowerPulse, RoadRunner, ETM, Cycle Flash, Q-Switch, Single Flash or Double Flash Alternating
- Durable and non-corrosive ABS plastic housing
- 100% solid state output, potted design for long-lasting, reliable performance
- Positive switching
- 10-16 Vdc

Flashback Alternating Taillight

Taillight
Amp Connector and Fleet Harness

ETFBSSN-P
ETFBSANFL



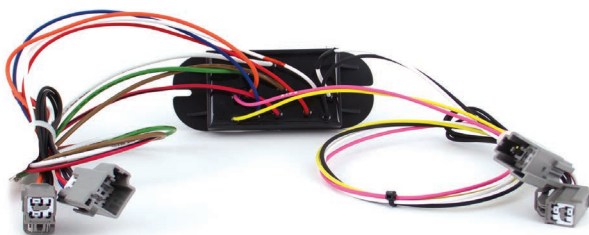
Features

- Twelve wire module with isolating diodes for the brake and reverse wire that are required for many new vehicles
- For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- Provides an additional output for deck lights
- Alternating red and white light creates an effective rear warning signal to greatly reduce rear end collisions
- 100% solid state, potted design for long-lasting, reliable performance

Flashback Alternating Taillight, Vehicle Specific

PI Utility, 2016 and 2017

ETTFUT-16



Features

- Twelve wire module with isolating diodes for the brake and reverse wire that are required for many new vehicles
- For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- Provides an additional output for deck lights
- Alternating red and white light creates an effective rear warning signal to greatly reduce rear end collisions
- 100% solid state, potted design for long-lasting, reliable performance

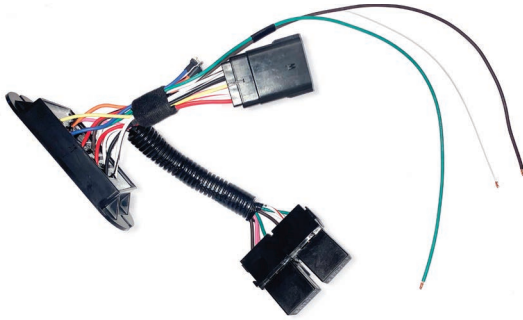
Flashback Alternating Taillight, Vehicle Specific

continued...

Flashers

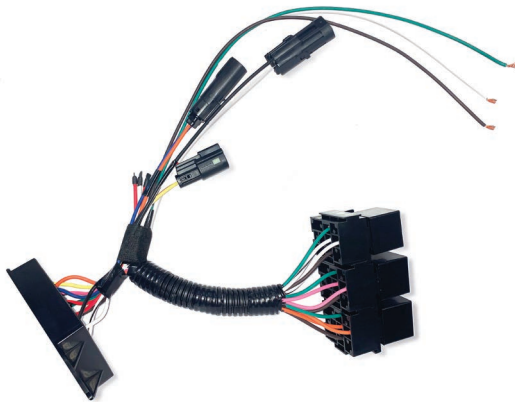
Flashback Alternating Taillight, Vehicle Specific

continued...



Dodge Charger, 2010-2020

ETTFK03

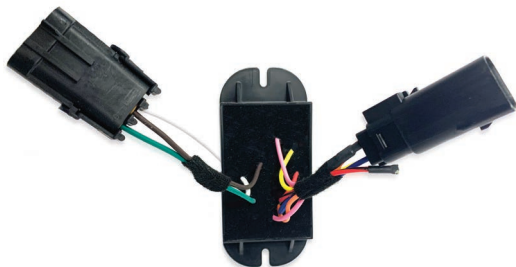


Dodge Durango, 2010-2020

ETTFK02

Features: Charger and Durango

- Flashing ring and reverse (Charger) or flashing ring (Durango)
- Outer ring and reverse alternate with center ring (Charger) or outer ring alternate with center ring (Durango)
- Running lights and headlights (on will not override flasher)
- Easy installation with plug-in connectors
- Module has isolating diodes for the brake and reverse wire that are required for many new vehicles
- For use with vehicles that have the negative post of the battery connected to the chassis of the vehicle
- Durable and non-corrosive ABS plastic housing
- Alternating red and white light creates an effective rear warning signal to greatly reduce rear and collisions
- 100% solid state, potted design for long-lasting, reliable performance
- 10-16 Vdc, 5 Amp output



Dodge Ram, 2018-2020

ETHFK01

Features

- Flashing reverse
- Passenger side reverse alternate with driver side reverse
- Easy installation with plug-in connectors
- Module has isolating diodes for the brake and reverse wire; required for many new vehicles
- For use with vehicles that have negative post of the battery connected to the chassis
- Durable and non-corrosive ABS plastic housing
- Alternating red and white light creates an effective rear warning signal to greatly reduce rear and collisions
- 100% solid state, potted design for long-lasting, reliable performance
- 10-16 Vdc, 5 Amp output

4500 Series LED Beacons



Flat/Pipe Mount

Low Dome
High Dome

ELB45BCL0(xx)
ELB45BCH0(xx)

Magnetic Mount

Low Dome
High Dome

ELB45BML+(xx)
ELB45BMH+(xx)

Replace (xx) in the Order Number for LED Color and Dome Color Selection

AA = Amber LEDs, Amber Dome
AC = Amber LEDs, Clear Dome
BC = Blue LEDs, Clear Dome
BB = Blue LEDs, Blue Dome

FC = Amber and White LEDs, Clear Dome
GC = Green LEDs, Clear Dome
GG = Green LEDs, Green Dome
JC = Red and Blue LEDs, Clear Dome (low dome only)

RC = Red LEDs, Clear Dome
RR = Red LEDs, Red Dome
WC = White LEDs, Clear Dome

Features

- Lens with UV inhibitor prevents sun fade
- Rated to last 20,000+ hours
- Heavy duty cast aluminum base

INPUT VOLTAGE RANGE 10-30 Vdc

CURRENT DRAW 1 Amp @ 12 Vdc, 0.5 Amp @ 24 Vdc

LED COUNT 12 LEDs

FLASH PATTERNS 8 flash patterns

OPERATING TEMPERATURE -40° C to + 65° C

DIMENSIONS
Low Dome with base Height 5" (12 cm) Diameter 6.3" (16 cm) base
High Dome with base Height 6.8" (17 cm) Diameter 6.3" (16 cm) base

MOUNTS Flat/pipe mount or magnetic mount

CERTIFICATIONS SAE J845 Class 1 certified

WARRANTY Five-year

ACCESSORIES

Beacon sold separately.

Semi-truck Mirror Application Beacon Bracket Kit, Flat/Pipe Mount (includes mounting hardware)

1" diameter tube PBCBK001
1 1/4" diameter tube PBCBK002
1 1/2" diameter tube PBCBK003

Dust Cover 6" height E360DC6

Branch Guard 4" height PESB41BG4
6" height PESB41BG6



Beacon Bracket Kit

LED Beacons



Low Dome, Flat/Pipe Mount

LED Count	Color Selection	Colors	SAE J845 Certified
3 LED	Single Color, Amber LEDs	Amber	Class 2
3 LED	Single Color, Amber LEDs	Clear	Class 2
6 LED	Single Color, Amber LEDs	Amber	Class 1
6 LED	Single Color, Amber LEDs	Clear	Class 1
12 LED	Single Color, Amber LEDs	Amber	Class 1
12 LED	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

Low Dome, Magnetic with Cig Plug Mount

LED Count	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Single Color, Amber LEDs	Amber	Class 2
3 LED	Single Color, Amber LEDs	Clear	Class 2
6 LED	Single Color, Amber LEDs	Amber	Class 1
6 LED	Single Color, Amber LEDs	Clear	Class 1
12 LED	Single Color, Amber LEDs	Amber	Class 1
12 LED	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1



High Dome, Flat/Pipe Mount

LED Count	Beacon Style	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 2
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 2
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 1
6 LED	Split	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
12 LED	Solid or Split	Single or Dual Colors, Amber, Red or White LEDs	Clear	Class 1

High Dome, Magnetic Mount

LED Count	Beacon Style	Color Selections	Dome Colors	SAE J845 Certified
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 2
3 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 2
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Amber	Class 1
6 LED	Solid	Single Color, Upper and Lower Amber LEDs	Clear	Class 1
6 LED	Split	Single Colors, Amber, Red or White LEDs	Clear	Class 2
12 LED	Solid	Dual Colors, Amber, Red or White LEDs	Clear	Class 1

High Dome Beacon Styles

Solid = Single LED color options for upper and lower

Split = Single or Dual LED color options for upper and lower

UPPER ►
LOWER ►



Replace (x) or (xx) in the Order Number for Standard Color Selection

LOW DOME Single Color: A = ● Dual Colors: F = ●○ J = ●●

HIGH DOME Solid, Single Color: A = ●● Split, Single Colors: AR = ●● AW = ●○ RW = ●○ Split, Dual Colors: FF = ●○ KK = ●●

● ● ● ● ○ To order configured products, contact your sales representative or customer service department.

Features

- Low dome has four modules and high dome has eight modules
- Includes 8 total modules that provide 360 degrees of intense lighting coverage
- Ability to customize with all white illumination to light up work areas
- Cruise and low power modes
- Premium aluminum base with durable polycarbonate lens

INPUT VOLTAGE RANGE 10-16 Vdc or 9-32 Vdc (configurable option)

NUMBER OF LEDS AND MAXIMUM CURRENT DRAW PER MODULE @ 12.8 VDC

3 LED Single Color	.5 Amp
6 LED Single Color	1 Amp or 6 LED Dual Color: .5 Amp
9 LED Single Color	1.5 Amp
12 LED Single Color	2 Amp; 12 LED Dual Color: 1 Amp
18 LED Tricolor	1 Amp

NUMBER OF LEDS AND MAXIMUM WATTAGE PER MODULE @ 12.8 VDC

3 LED Single Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts	9 LED Single Color	Steady burn, 19.2 Watts, flashing, 9.6 Watts
6 LED Single Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts	12 LED Single Color	Steady burn, 25.6 Watts, flashing, 12.8 Watts
6 LED Dual Color	Steady burn, 6.4 Watts, flashing, 3.2 Watts	12 LED Dual Color	Steady burn, 12.8 Watts, flashing, 6.4 Watts

FLASH PATTERNS 43 flash patterns; 9 user selectable modes

LIGHT SYNC Up to 24

OPERATING TEMPERATURE -40° C to + 65° C

DIMENSIONS

Low Dome	Height 3.6" (9.25 cm)	Diameter 8.6" (21.8 cm)
High Dome	Height 5.3" (13.4 cm)	Diameter 8.6" (21.8 cm)

MOUNTS

Permanent mount
Magnetic mount (magnetic includes 10 foot cig plug cord with integrated 2-button rocker switch panel)
1" NPT pipe mount

CERTIFICATIONS

3 LED Single and 6 LED Dual Colors: J845 Class 2 certified
6, 9, 12 LED Single, 12 LED Dual and 18 LED Tricolors: J845 Class 1 certified
6, 9 LED Single and 12 LED Dual Colors: CA Title 13 certified

WARRANTY

Five-year

ACCESSORIES

Beacons sold separately.

Branch Guard and Base Plate Kit	Flat/Pipe mount, high and low dome	PNRBCBGBH
Four Button Cig Plug Controller	Low and high dome	Configurator Option
VHB Magnetic Plate Adapter Kit	Kit includes (1) one VHB pad and metal plate	PNRLBK03

GOLIGHT® LED Search Lights

Spot Beam with White LEDs
Includes Wireless Handheld Remote



Black Housing EWL30514ST



Chrome Housing EWL30064ST



White Housing EWL30004ST

Side and Back View



Features

- Ten high flux LEDs
- Wireless remote control
- 370° rotation x 135° tilt
- 320,000 candela; max beam distance of 3,711 feet
- Eight degree beam angle
- UV ray and saltwater resistant
- Weatherproof for land and sea applications

INPUT VOLTAGE	12 Vdc
LED COUNT	10 LED
WATTS	40
BEAM PATTERN	Spot
AMPERAGE	2.8 Amp
DIMENSIONS	
Length	7" (17.78 cm)
Height	7" (17.78 cm)
Depth	8" (20.32 cm)
MOUNT	Permanent mount
WARRANTY	Five-year

WL4, WL5 and WL9

700, 900 and 1800 Lumen LED Lights



WL4 Flood and Spot Lens

700 Lumen, Flood Pattern **EWL4SBDF0W**
700 Lumen, Spot Pattern **EWL4SBDS0W**



WL5 Spot Lens

900 Lumen **EWL5SBDS0W**



WL9 Flood and Spot Lens

1800 Lumen, Flood Pattern **EWL9SBDF0W**
1800 Lumen, Spot Pattern **EWL9SBDS0W**

Features

- Deliver super bright output with low amp draw
- Weatherproof design
- Adjustable mounting brackets make these lights ideal for multiple vehicle applications

INPUT VOLTAGE	10-30 Vdc
CURRENT DRAW	
WL4	.6 Amp @ 13.5 Vdc, .3 Amp @ 28 Vdc
WL5	.97 Amp @ 13.5 Vdc, .47 Amp @ 28 Vdc
WL9	1.5 Amps @ 13.5 Vdc, .8 Amp @ 28 Vdc
LED COUNT	
WL4	4 LEDs
WL5	5 LEDs
WL9	9 LEDs
ILLUMINATION PATTERNS	WL4 and WL9: Flood and spot patterns WL5: Spot pattern
OPERATING TEMPERATURE	-40° to +65° C / -40° to +149° F
COLOR TEMPERATURE	6500k
DIMENSIONS	WL4: Height 4.1" Width 2.8" Depth 1.8" WL5: Height 5.8" Width 4.3" Depth 1.8" WL9: Height 5.5" Width 4.4" Depth 2.9"
MOUNT	One bolt with rubber mounting pad
CERTIFICATION	EMC ECE Reg. 10 certified
WARRANTY	Three-year



2021 PRODUCT CATALOG



Lightbars Directional Warning Perimeter Lighting Control Systems
Sirens and Speakers Electronics Beacons Work Area



soundoffsignal.com



1.800.338.7337 or 616.896.7100



616.896.1286

PO Box 206, Hudsonville, MI 49426

