

SoundOff
Signal ®
Smart Design.

mpower®
REDEFINE SAFETY

REDEFINE
SAFETY





SoundOff Signal worked in collaboration with Dow Corning, a wholly owned subsidiary of The Dow Chemical Company, a global leader in silicones, silicone-based technology and innovation, to create a first generation optical design called ClearDuty®.



SAFETY





ClearDuty® withstands extreme usage and weather conditions well beyond traditional polycarbonate lenses:

- Small footprint with maximized brightness
- Resistance to scratching, pitting and cracking
- Keeps water out
- High UV characteristics eliminates yellowing



Contact your sales representative for upcoming mpower products coming your way!



Exterior Full-Size LED Lightbar

The mpower lightbar combines a sleek design with attention grabbing brightness.



EMPLB

Shown with the classic permanent mount hook kit.

Features

- At only 1" thick, mpower is 50% thinner than its leading competitors
- The 48" lightbar model provides 50% more LEDs within its inboard modules than comparable competitive models
- SoundOff Signal® collaborated with Dow Corning® to develop ClearDuty® optical module design
- ClearDuty® 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
- Inboard modules are available in single color 6 or 8 LEDs, dual color 12 LEDs or tricolor 18 LEDs
- Corner modules are offered in single color 8 or 16 LEDs, dual color 16 LEDs or tricolor 24 LEDs
- Inboard and corner modules are designed to be continuous in order to eliminate lighting gaps
- Lightbars with multi-color modules (dual or tricolor) that include white LEDs are capable of providing a full 360 degrees of intense scene lighting
- Takedowns can be configured as single, dual or tricolor for maximum functionality
- Alley lights can be configured as single, dual or tricolor to maximize intersection awareness
- Discrete rear-arrow control modules can be combined with warning colors for maximum functionality
- Windows based PC application simplifies programming and enhances configurability and control
- Use of PC application in conjunction with SoundOff Signal® sirens simplifies install with "plug and play" RJ45 capability; save configuration time and enhance configurability by directly mapping siren buttons to lightbar functions
- Other user configurable options include: cruise mode, front/rear/corner cutoff inputs, nighttime manual dimming, multiple flash patterns, steady burn and stop/tail/turn
- Auto dim feature comes standard

Configurable Options ● ● ● ● ○

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



Technical Specifications

INPUT VOLTAGE RANGE	9-16 Vdc
NUMBER OF LEDS AND MAXIMUM CURRENT DRAW @ 12.8 VDC	Inboard Warning Module: < 1 Amp Corner Module: (2-3" mpower modules) < 1.9 Amps Alley: < 1 Amp
NUMBER OF LEDS AND MAXIMUM WATTAGE @ 12.8 VDC	Inboard Warning Module: < 5.9 Watts Corner Module: (2-3" mpower modules) < 11.6 Watts Alley: < 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
DIMENSIONS	Lengths: 8 Module: 44.2" (112 cm); 9 Module: 48.2" (122 cm) or 10 Module: 52.7" (134 cm) Height: All modules: 1.1" (2.7 cm) Depth: All modules: 10.6" (27 cm)
MOUNTS	Classic permanent mount, standard hook bracket mount with angle adjustment or headache rack mount
CERTIFICATIONS	SAE J 845 Class 1 certified (red, blue, amber or white); SAE J 595 Class 1 certified (red, blue, amber or white) and CA Title 13 Class B certified (red, blue or amber)
WARRANTY	Five-year (ten-year on UV lens discoloration)





Fascia Three Inch Quick, Stud and Screw Mount Lights
 Fascia is the first compact, tricolor line of perimeter lighting on the market.
 Fascia's next generation design and mounting options allow the
 light to be integrated nearly anywhere on the vehicle.



Quick Mount

4 LED, Single Color
 8 LED, Single or Dual Colors
 12 LED, Tricolor

EMPS1QMS1(x)
EMPS1QMS3(x)
EMPS1QMS4(xxx)



Stud Mount

4 LED, Single Color
 8 LED, Single or Dual Colors
 12 LED, Tricolor

EMPS1STS1(x)
EMPS1STS3(x)
EMPS1STS4(xxx)



Screw Mount

4 LED, Single Color
 8 LED, Single or Dual Colors
 12 LED, Tricolor

EMPS1SMS1(x)
EMPS1SMS3(x)
EMPS1SMS4(xxx)

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

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

8 LED Dual Colors: D = ●○ E = ●○ F = ●○ J = ●●

12 LED Tricolors: RBA = ●●● RBW = ●●○

Features

- Single, dual or tricolor capabilities
- Ability to integrate visually into today's police vehicles
- Collaboration with Dow Corning® to develop ClearDuty® optical design
- ClearDuty® 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

For accessories, refer to the last pages of this pamphlet.

Configurable Options ● ● ● ● ○

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

MOUNTING OPTION DESCRIPTIONS

Quick Mount

Installs with 3M VHB adhesive
No exposed fasteners
VHB seal light to vehicle



Stud Mount

Installs with threaded studs and nuts
No exposed fasteners
Three holes drilled into vehicle
Full silicone seal light to vehicle



Screw Mount

Installs with two screws
Screws exposed after installation
Three holes drilled into vehicle
Silicone seal light to vehicle



Technical Specifications

INPUT VOLTAGE RANGE 9-32 Vdc

CURRENT DRAW < 1.0 Amps @ 12.8Vdc, < 0.5 Amps @ 25.6 Vdc

LIGHT SYNC 24 single lightheads

FLASH PATTERNS 12 Single, 14 Dual or 14 Tricolor patterns

OPERATING TEMPERATURE -40° C to +65° C

DIMENSIONS

Quick	Length: 3.04" (7.72 cm)	Height: 0.92" (2.3 cm)	Depth: 0.47" (1.2 cm) (from mounting surface)
Stud	Length: 3.04" (7.72 cm)	Height: 0.92" (2.3 cm)	Depth: 0.42" (1 cm) (from mounting surface)
Screw	Length: 3.52" (8.94 cm)	Height: 0.92" (2.3 cm)	Depth: 0.42" (1 cm) (from mounting surface)

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

WARRANTY Five-year





Fascia Four Inch Quick, Stud and Screw Mount Lights

Fascia is the first compact, tricolor line of perimeter lighting on the market.

Fascia's next generation design and mounting options allow the light to be integrated nearly anywhere on the vehicle.



Quick Mount

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



Stud Mount

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



Screw Mount

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

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

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

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

18 LED Tricolors: RBA=●●● RBW=●●○

Features

- Single, dual or tricolor capabilities
- Ability to integrate visually into today's police vehicles
- Collaboration with Dow Corning® to develop ClearDuty® optical design
- ClearDuty® 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

For accessories, refer to the last pages of this pamphlet.

Configurable Options ● ● ● ● ○

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

MOUNTING OPTION DESCRIPTIONS

Quick Mount

Installs with 3M VHB adhesive
No exposed fasteners
VHB seal light to vehicle



Stud Mount

Installs with threaded studs and nuts
No exposed fasteners
Three holes drilled into vehicle
Full silicone seal light to vehicle



Screw Mount

Installs with two screws
Screws exposed after installation
Three holes drilled into vehicle
Silicone seal light to vehicle



Technical Specifications

INPUT VOLTAGE RANGE 9-32 Vdc

CURRENT DRAW < 1.0 Amps @ 12.8Vdc, < 0.5 Amps @ 25.6 Vdc

LIGHT SYNC 24 single lighthead

FLASH PATTERNS 12 Single, 14 Dual or 14 Tricolor patterns

OPERATING TEMPERATURE -40° C to +65° C

DIMENSIONS

Quick	Length: 4.04" (10.3 cm)	Height: 0.92" (2.3 cm)	Depth: 0.47" (1.2 cm) (from mounting surface)
Stud	Length: 4.04" (10.3 cm)	Height: 0.92" (2.3 cm)	Depth: 0.42" (1 cm) (from mounting surface)
Screw	Length: 4.52" (11.4 cm)	Height: 0.92" (2.3 cm)	Depth: 0.42" (1 cm) (from mounting surface)

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

WARRANTY Five-year





Fascia Light Accessories

Wedges and Mounts

Wedge for the 3 and 4 Inch Quick Mount

- a. 3 inch, black (shown)
- 3 inch, white
- 4 inch, black
- 4 inch, white



5 Degrees

- PMP1WDG05B
- PMP1WDG05W
- PMP2WDG05B
- PMP2WDG05W

15 Degrees

- PMP1WDG15B
- PMP1WDG15W
- PMP2WDG15B
- PMP2WDG15W

35 Degrees

- PMP1WDG35B
- PMP1WDG35W
- PMP2WDG35B
- PMP2WDG35W

Includes Wedge and 3M VHB Adhesive

License Plate Bracket

Stud Mount License Plate Bracket

Vertical mount for 4 inch

PMP2BRK2LPV

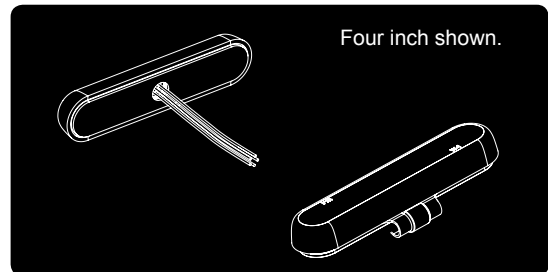


Fascia Mounting Options

Quick Clip Bracket for the 3 and 4 Inch Quick Clip Mount

- 3 inch
- 4 inch

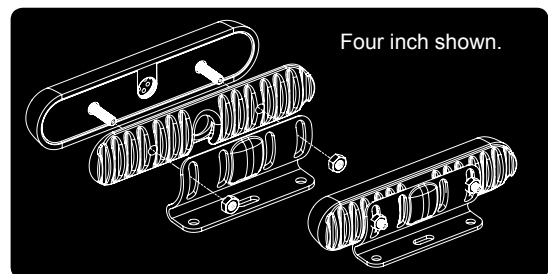
PMP1BKQCLP
PMP2BKQCLP



90 Degree Adjustable Mount Bracket for the 3 and 4 Inch Stud Mount

- 3 inch, black
- 3 inch, white
- 4 inch, black
- 4 inch, white

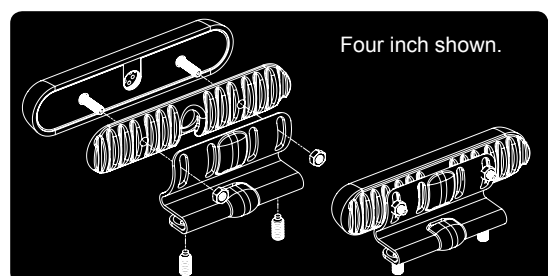
PMP1BKDGAJ
PMP1BKDGAJ-W
PMP2BKDGAJ
PMP2BKDGAJ-W



90 Degree Adjustable Edge Mount Bracket for the 3 and 4 Inch Stud Mount

- 3 inch, black
- 3 inch, white
- 4 inch, black
- 4 inch, white

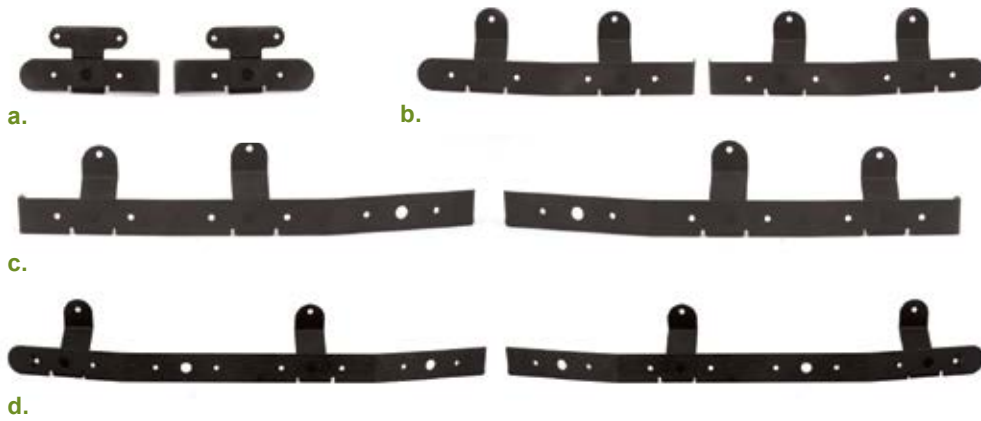
PMP1BKEDGE
PMP1BKEDGE-W
PMP2BKEDGE
PMP2BKEDGE-W



Bracket Kits

Ford Utility, 2015-2017: Rear Spoiler, 4 Inch Stud Mount Bracket Kits

- a. One light per passenger and driver side **PMP2RSBUV1**
- b. Two lights per passenger and driver side **PMP2RSBUV2**
- c. Three lights per passenger and driver side **PMP2RSBUV3**
- d. Four lights per passenger and driver side **PMP2RSBUV4**



Chevy Tahoe, 2015-2016: Rear Spoiler, 4 Inch Stud Mount Bracket Kits

- a. Three lights per passenger and driver side **PMP2RSBTH3**
- b. Four lights per passenger and driver side **PMP2RSBTH4**



Single and Dual Windshield Shrouds for the 3 and 4 Inch Stud Mount Light

Single Adjustable 25 to 90 Degree Windshield Shroud

- 3 inch, black (shown) **PMP1WSSSB**
- 3 inch, white **PMP1WSSSW**
- 4 inch, black **PMP2WSSSB**
- 4 inch, white **PMP2WSSSW**

Dual Adjustable 25 to 90 Degree Windshield Shroud

- 3 inch, black **PMP1WSDDB**
- 3 inch, white **PMP1WSDDW**
- 4 inch, black (shown) **PMP2WSDDB**
- 4 inch, white **PMP2WSDDW**



Stud mount light is sold separately. VHB tape is included. Photos do not show seal around the shroud.



SAFETY REDEFINED



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