

# MicroPulse® Wide Angle

## Exterior Perimeter Lights



### FEATURES

- Utilizes (6), (9) or (12) LEDs; 180-degree light spread
- Perfect for mounting on push bumpers, rub rails, side mirrors, and spoilers
- Synchronizes with other MicroPulse products
- Available in single-, split-, or dual-color models
- 12 (MPSW9 single-color), 18 (MPSW9 dual-color) or 27 (MPSW6) selectable flash patterns
- UV resistant polycarbonate Clear lens
- Black bezel included; optional Chrome and White bezels available
- Steady burn models (MPSW9X) are FSJoin™ compatible and suitable for use with Pathfinder sirens or other external flashers
- Models available for use as part of NFPA1901 compliant packages
- Five-year warranty

### APPROVALS

- IP67 Certified
- CCR Title 13

#### MPSW9 Single-Color

- SAE J595 Class 1 (Amber, Blue, Red, and White)
- SAE J845 Class 1 (Amber, Blue, Red, and White)

#### MPSW9 Dual-Color

- SAE J595 Class 2 (Amber, Blue, and White)
- SAE J595 Class 1 (Red)
- SAE J845 Class 1 (Amber, Blue, Red, and White)

#### MPSW6

- SAE J595 Class 1 (Amber, Blue, Red, and White)
- SAE J845 Class 1 (Amber, Blue, Red, and White)

### FS TECHNOLOGY



FSJoin™

#### A Curved Shape and Powerful LEDs Provide an Impressive Off-Axis Light Spread

MicroPulse® Wide Angle's curve design and powerful LEDs provide an impressive 180-degree light spread. These perimeter lights are ideal for mounting on push bumpers, rub rails, side mirrors, and spoilers of first responder and work truck vehicles. MicroPulse Wide Angle models are available in Amber, Blue, Green, Red, and White and in single-, split-, or dual-color combinations.

#### Highly Effective Warning Light

MicroPulse Wide Angle lights can be programmed to operate as a single unit or synchronize with multiple MicroPulse light heads. Built-in flash patterns enable multiple vehicle perimeter lights to be either synchronized in the same pattern or in opposite sequence.

MicroPulse Wide Angle Steady Burn models are intended to be flashed with the Pathfinder® Siren or other external flasher. The combination of the Steady Burn models and the Pathfinder Siren allows the Pathfinder to control lights around the vehicle by utilizing flash patterns in the siren, syncing and alternating light heads, and dimming light heads.

#### Built to Last

The MicroPulse Wide Angle Clear lens is made of UV-resistant polycarbonate to protect against harsh conditions. Models come standard with a Black bezel and are also available with an optional Chrome bezel.

#### FSJoin™ Compatible

MicroPulse Wide Angle Steady Burn models (MPSW9X) are compatible with Federal Signal's FSJoin programming feature.



## MPSW9 - COMPLIANCE CHART

### SINGLE-COLOR MODELS

MODEL #	LED COLOR	J845 CLASS	J845 COVERAGE	J595 CLASS	CCR TITLE 13 CLASS
MPSW9-A	Amber	1	90°	1	B
MPSW9-B	Blue	1	90°	1	B
MPSW9-W	White	1	90°	1	-
MPSW9-R	Red	1	90°	1	B

### DUAL-COLOR MODELS

MODEL #	LED COLOR	J845 CLASS	J845 COVERAGE	J595 CLASS	CCR TITLE 13 CLASS
MPSW9-AW	Amber	1	120°	2	NO
	White	1	120°	2	-
MPSW9-BW	Blue	1	120°	2	NO
	White	1	120°	2	-
MPSW9-RB	Red	1	120°	1	NO
	Blue	1	120°	2	NO
MPSW9-BA	Blue	1	120°	2	NO
	Amber	1	120°	2	NO
MPSW9-RW	Red	1	120°	1	NO
	White	1	120°	2	-
MPSW9-RA	Red	1	120°	1	NO
	Amber	1	120°	2	NO

## MPSW6 - COMPLIANCE CHART

### SINGLE-COLOR MODELS

MODEL #	LED COLOR	J845 CLASS	J845 COVERAGE	J595 CLASS	CCR TITLE 13 CLASS
MPSW6-A	Amber	1	120°	1	B
MPSW6-B	Blue	1	120°	1	B
MPSW6-W	White	1	120°	1	-
MPSW6-R	Red	1	120°	1	B

### SPLIT-COLOR MODELS

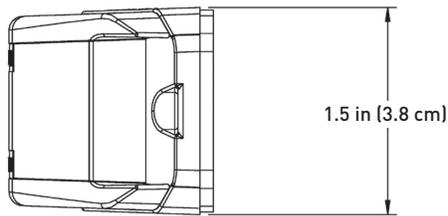
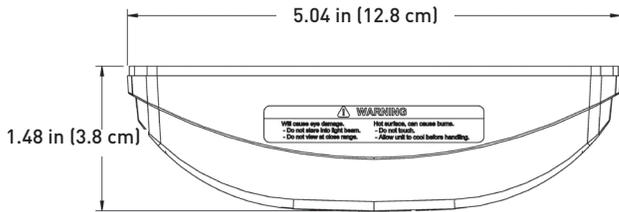
MODEL #	LED COLOR	J845 CLASS	J845 COVERAGE	J595 CLASS	CCR TITLE 13 CLASS
MPSW6-AW	Amber	1	120°	1	NO
	White	1	120°	1	-
MPSW6-BW	Blue	1	120°	1	B
	White	1	120°	1	-
MPSW6-RB	Red	1	120°	1	NO
	Blue	1	120°	1	B
MPSW6-RW	Red	1	120°	1	NO
	White	1	120°	1	-

**SPECIFICATIONS**

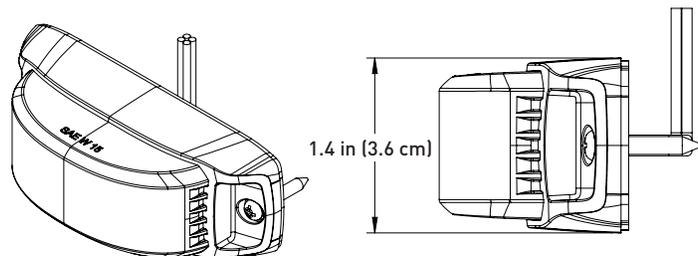
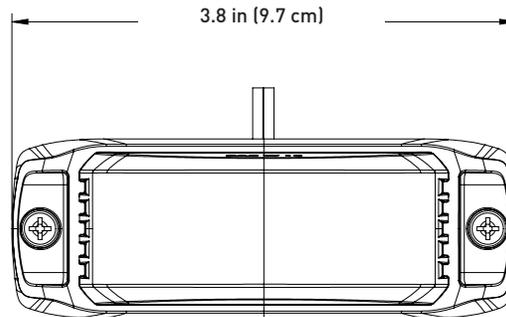
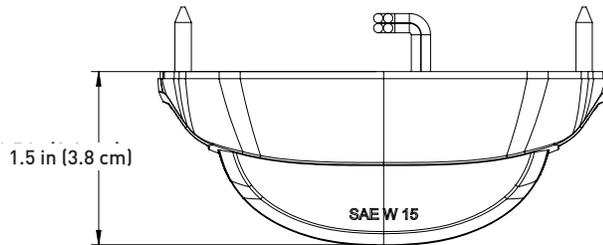
LED Color     W  C

	MPSW9 (SINGLE-COLOR)	MPSW9 (DUAL-COLOR)	MPSW6 (SINGLE/SPLIT)	
VOLTAGE	12/24 Vdc	12 Vdc	12 Vdc	
CURRENT DRAW	0.58 A @ 12 Vdc 0.28 A @ 24 Vdc	0.6 A @ 12 Vdc	0.8 A @ 12 Vdc	
OPERATING TEMP	-40° to 176° F (-40°C to 80°C)		-40° to 176° F (-40°C to 80°C)	
<b>PHYSICAL SPECIFICATIONS</b>				
	<b>SURFACE MOUNT</b>	<b>SURFACE MOUNT</b>	<b>SURFACE MOUNT</b>	<b>UNDER SIDE MIRROR MOUNT</b>
LENGTH	5.04 in (12.8 cm)	5.04 in (12.8 cm)	3.8 in (9.7 cm)	2.9 in (7.4 cm)
WIDTH	1.48 in (3.8 cm)	1.48 in (3.8 cm)	1.5 in (3.8 cm)	2.6 in (6.6 cm)
HEIGHT	1.5 in (3.8 cm)	1.5 in (3.8 cm)	1.4 in (3.6 cm)	1.3 in (3.3 cm)
SHIP WEIGHT	0.5 lb (0.23 kg)		0.42 lb (0.19 kg)	

**MPSW9 MODELS**



**MPSW6 MODELS**



## HOW TO ORDER

### MICROPULSE WIDE ANGLE 9, SINGLE-COLOR, SURFACE MOUNT, 12/24 VDC

MPSW9-A	9-LED light head, Amber
MPSW9-B	9-LED light head, Blue
MPSW9-R	9-LED light head, Red
MPSW9-W	9-LED light head, White

### MICROPULSE WIDE ANGLE 9, DUAL-COLOR, SURFACE MOUNT, 12 VDC

MPSW9-AW	12-LED light head, (6) Amber/ (6) White
MPSW9-BA	12-LED light head, (6) Blue/ (6) Amber
MPSW9-BW	12-LED light head, (6) Blue/ (6) White
MPSW9-RA	12-LED light head, (6) Red/ (6) Amber
MPSW9-RB	12-LED light head, (6) Red/ (6) Blue
MPSW9-RW	12-LED light head, (6) Red/ (6) White
MPSW9-AG	12-LED light head, (6) Amber/ (6) Green

### MICROPULSE WIDE ANGLE 6, SINGLE-COLOR, SURFACE MOUNT AND SIDE MIRROR MOUNT, 12 VDC

MPSW6-A	6-LED light head, Amber
MPSW6-B	6-LED light head, Blue
MPSW6-R	6-LED light head, Red
MPSW6-W	6-LED light head, White

### MICROPULSE WIDE ANGLE 6, SPLIT-COLOR, SURFACE MOUNT AND SIDE MIRROR MOUNT, 12 VDC

MPSW6-AW	6-LED light head, (3) Amber/ (3) White
MPSW6-BW	6-LED light head, (3) Blue/ (3) White
MPSW6-RB	6-LED light head, (3) Red/ (3) Blue
MPSW6-RW	6-LED light head, (3) Red/ (3) White

### MICROPULSE STEADY BURN WIDE ANGLE 9, DUAL-COLOR, SURFACE MOUNT, 12 VDC

MPSW9X-BW	12-LED light head, (6) Blue / (6) White
MPSW9X-RW	12-LED light head, (6) Red / (6) White

### ACCESSORIES

MPSMW9-1	Chrome bezel for (1) MPSW9
MPSMW9-2	White bezel for (1) MPSW9
MPSMW9-3	Black bezel for (1) MPSW9
MPSMW6-1	Chrome bezel for (1) MPSW6
MPSMW6-2	White bezel for (1) MPSW6
MPSMW6-3	Black bezel for (1) MPSW6
MPSMW9-SHD	Shroud kit (2) MPSW9 to prevent backflash
MPSMW9-TAH21MIR	Pair of side under mirror brackets, each bracket holds (1) MPSW9 light, 2021 Chevy Tahoe
MPSMW6-SPACRKT	Kit, (4) 5-degree rubber mounting wedges for MPSW6
MPSMW9-FRD15MIR	Pair of side mirror brackets for (1) MPSW9 each, 2015-2020 Ford F150
MPSMW9-FRD21MIR	Pair of side mirror brackets for (1) MPSW9 each, 2021+ Ford F150
MPSMW9-LB	L-bracket for (1) MPSW9
MPSMW9-RAM19MIR	Pair for side mirror brackets for (1) MPSW9 each, 2019+ Dodge Ram
MPSMW9-SPACRKT	Kit, (4) 5-degree rubber mounting wedges for MPSW9
MPSMW9-TAH15MIR	Pair of side mirror brackets for (1) MPSW9 each, 2015-2020 Chevy Tahoe
MPSMW9-SIL19MIR	Pair of side mirror brackets for (1) MPSW9 each, 2019+ Chevy Silverado

## FLASH PATTERNS

PATTERN	M P S W 9 (Single-Color)	M P S W 9 (Dual-Color)	M P S W 6 (Single/Split)
1	Random	Triple 92.3 (All)	Triple 92.3 (All)
2	Steady	Triple 90 (All)	Triple 90 (All)
3	Single	Single 122 (All)	Single 122 (All)
4	Mega	Single 75 (All)	Single 75 (All)
5	Double	Single 90 (All)	Single 90 (All)
6	Triple	Single 113 (All)	Single 113 (All)
7	Quad	Single 73 (All)	Single 73 (All)
8	Quint	Double 73 (All)	Double 73 (All)
9	8 Flash	Triple 73 (All)	Triple 73 (All)
10	Single Quad	Quad 73 (All)	Quad 73 (All)
11	Single H/L	Quint 73 (All)	Quint 73 (All)
12	Single-Triple- Quint	Mega (All)	Mega (All)
13		Ultra (All)	Ultra (All)
14		Single-Quad (All)	Single-Quad (All)
15		Single H/L (All)	Single H/L (All)
16		Steady All (All)	Steady All (All)
17		Steady Half (California)	Steady Half (California)
18		Random	Random
19			Single (Split)
20			Double (Split)
21			Triple (Split)
22			Quad (Split)
23			Quint (Split)
24			Mega (Split)
25			Ultra (Split)
26			Single-Quad (Split)
27			Single H/L (Split)

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