

# MicroPulse® Wide Angle 9

## Exterior Perimeter Lights



### FEATURES

- 180-degree wide angle perimeter light
- Single- and tri-color models
- (12) single-color or (20) tri-color flash patterns
- Multi-voltage, 12/24 Vdc
- Wide range of external mounting applications
- Black bezel standard; Chrome or White bezel optional
- Five-year warranty

### APPROVALS

- IP67 Certified

#### MPSW9 Single-Color

- SAE J595 Class 1 (Amber, Blue, Red, and White)
- SAE J845 Class 1 (Amber, Blue, Red, and White)
- NFPA 1901 (Blue, Red, and White)
- CCR Title 13

#### MPSW9 Tri-Color

- SAE J595 Class 1 (Amber, Blue, Red, and White)
- SAE J845 Class 1 (Amber, Blue, Red, and White)
- NFPA 1901 (Amber, Blue, Red, and White)

### FS TECHNOLOGY



FSJoin™

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

MicroPulse® Wide Angle 9's curved 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 9 models are available in Amber, Blue, Red, Green, and White and in single-, or tri-color combinations. MicroPulse Wide Angle 9 tri-color models can operate as a single-, dual-, or tri-color light.

#### Highly Effective Warning Light

MicroPulse Wide Angle 9 lights can be programmed to operate as a single unit or synchronize with multiple light heads. Built-in flash patterns enable multiple vehicle perimeter lights to be either synchronized in the same pattern or in opposite sequence.

The Red/Blue/White MicroPulse Wide Angle 9 tri-color model is also available with a smoked lens. The dark tinted polycarbonate lens makes this model the optimal choice for undercover applications.

#### Built to Last

The MicroPulse Wide Angle 9 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 or White bezel.

#### FSJoin™ Compatible

MicroPulse Wide Angle 9 models are FSJoin™ compatible. FSJoin is a programming compatibility feature of Federal Signal's light bars and exterior/interior warning lights that work in conjunction with a Convergence Network siren or controller. When using FSJoin products, the Convergence Network siren/light controller controls all of the vehicle's warning light flash patterns, dimming feature, and light head syncing/alternating patterns.



## 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

### TRI-COLOR MODELS

MODEL #	LED COLOR	J845 CLASS	J845 COVERAGE	J595 CLASS	CCR TITLE 13 CLASS
MPSW9-AGW	Amber	1	120°	1	NO
	Green	1	120°	1	NO
	White	1	120°	1	-
MPSW9-BAW	Blue	1	120°	1	NO
	Amber	1	120°	1	NO
	White	1	120°	1	-
MPSW9-RAW	Red	1	120°	1	NO
	Amber	1	120°	1	NO
	White	1	120°	1	-
MPSW9-RBA	Red	1	120°	1	NO
	Blue	1	120°	1	NO
	Amber	1	120°	1	NO
MPSW9-RBW	Red	1	120°	1	NO
	Blue	1	120°	1	NO
	White	1	120°	1	-
MPSW9-RBW-SMK	Red	1	120°	1	NO
	Blue	1	120°	1	NO
	White	1	120°	1	-

## SPECIFICATIONS

LED Color      W

Lens Color  C  SMK

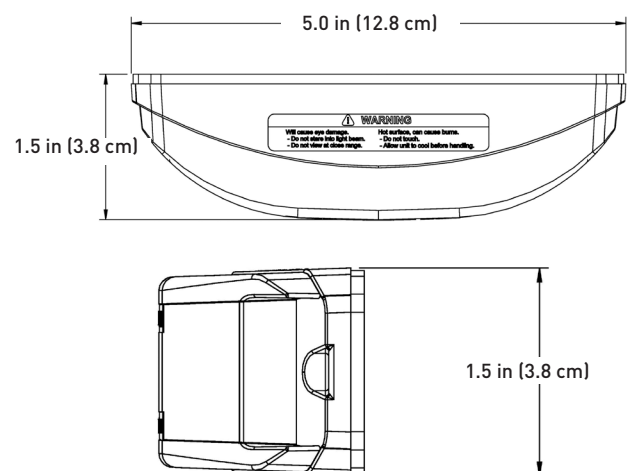
VOLTAGE	12/24 Vdc
CURRENT DRAW	0.6 A @ 12 Vdc 0.3 A @ 24 Vdc
OPERATING TEMP.	-40° to 176° F (-40° to 80°C)

### PHYSICAL SPECIFICATIONS

#### SURFACE MOUNT

LENGTH	5.0 in (12.8 cm)
WIDTH	1.5 in (3.8 cm)
HEIGHT	1.5 in (3.8 cm)
SHIP WEIGHT	0.5 lb (0.23 kg)

## MPSW9 MODELS



## HOW TO ORDER

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

MPSW9-A	(9) LED light head, Amber, Clear lens
MPSW9-B	(9) LED light head, Blue, Clear lens
MPSW9-R	(9) LED light head, Red, Clear lens
MPSW9-W	(9) LED light head, White, Clear lens

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

MPSW9-AGW	(18) LEDs, Amber/Green/White, Clear lens
MPSW9-BAW	(18) LEDs, Blue/Amber/White, Clear lens
MPSW9-RAW	(18) LEDs, Red/Amber/White, Clear lens
MPSW9-RBA	(18) LEDs, Red/Blue/Amber, Clear lens
MPSW9-RBW	(18) LEDs, Red/Blue/White, Clear lens
MPSW9-RBW-SMK	(18) LEDs, Red/Blue/White, Smoked lens

### ACCESSORIES

MPSMW9-1	Chrome bezel for (1) MPSW9
MPSMW9-2	White bezel for (1) MPSW9
MPSMW9-3	Black bezel for (1) MPSW9
MPSMW9-SHD	Shroud kit (2) MPSW9 to prevent backflash
MPSMW9-TAH21MIR	Pair of side under mirror brackets, each bracket holds (1) MPSW9 light, 2021-2024 Chevrolet Tahoe
MPSMW9-FRD21MIR	Pair of side mirror brackets for (1) MPSW9 each, Ford F-150 (non-towing mirrors)/Lightning, 2021-2023
MPSMW9-FPIU20MIR	Pair of side mirror brackets, each bracket holds (1) MPSW9 light, Ford Police Interceptor Utility, 2020-2024
MPSMW9-DUR21MIR	Pair of side mirror brackets, each bracket holds (1) MPSW9 light, Dodge Durango, 2015-2023
MPSMW9-LB	L-bracket for (1) MPSW9
MPSMW9-RAM19MIR	Pair for side mirror brackets for (1) MPSW9 each, Dodge Ram, 2019-2022
MPSMW9-CHGR11MIR	Pair of side mirror brackets, each bracket holds (1) MPSW9 light, Dodge Charger, 2011-2024
MPSMW9-SPACRKT	Kit, (4) 5-degree rubber mounting wedges for MSPW9
MPSMW9-SIL19MIR	Pair of side mirror brackets for (1) MPSW9 each, Chevrolet Silverado 1500, 2019-2023
MPSMW9-SPACRKT2	Pair of 22-degree rubber mounting wedges for MPSW9, Ford F150, Dodge Ram 2500, 2023
MPSMW9-EXP19MIR	Pair of side mirror brackets for (1) MPSW9 each, 2019-2024 Ford Expedition

## FLASH PATTERNS

PATTERN	MPSW9 (Single-Color)	MPSW9 (Tri-Color)
1	Random	Single 122
2	Steady	Single 90
3	Single	Single 113
4	Mega	Triple 92.3
5	Double	Triple 122
6	Triple	Triple 73
7	Quad	Double 122
8	Quint	Quad 122
9	8 Flash	Random
10	Single Quad	Steady Break
11	Single H/L	Steady
12	Single-Triple- Quint	Single 73
13		Mega
14		Double 73
15		Quad 73
16		Quint 73
17		Ultra 73
18		Single-Quad
19		Single H/L
20		Single-Triple-Quint

