

12-24VCD

# SP89

Dual Color



Single Color



▼ Bend up to 120°

## SP89 Flexible Warning Light



### FEATURES

- Flex and bend (up to 120 degree) to fit the mounting surface; mount to places at never before.
- Made with AMECA listed, optical grade DOW SILASTIC™ silicone.
- CISPR 25 Class 3 EMC protection; less worry on EMC issues when mounted to vehicles.
- Aerodynamic aesthetic for minimum wind drag.
- Meet ECE and SAE approval when mounted in curved or flat surface; no compromise to warning performance.
- Screw Mount with adhesive and screw cover for firm and secure installation.
- Triple memories on Single and Dual Colour Model, good for application such as cruise mode and white flood.
- Quick "Steady EF mode" setting for independent color control via external flasher.
- Quick and easy programable capability via SP007 programmer or PC.
- Reverse polarity protection.
- Weatherproof and vibration resistant design for external or internal use.

### SPECIFICATIONS

**Compliance:** ECE R65 (XA1, XB1, XR1), ECE R10  
SAE J595 Class 1 (A, B, R, W),  
SAE J845 Class 1 (A, B, R, W),  
CA13 (A, B, R), CISPR25 Class 3

**IP Rating:** IP67

**LED Element:** High-power LED x 12 pcs (Dual color)  
x 6 pcs (Single color)

**Operating Voltage:** 12-24VCD

**Avg. Current:** 0.32A @12VCD / 0.16A @24VCD  
(varies with flash pattern)

**Max. Current:** 0.64A @12VCD / 0.32A @24VCD

**Avg. Power:** 3.84W (varies with flash pattern)

**Max. Power:** 7.68W

**Wires:** Black - GND (22AWG)

Red - Warning Mode 1 (22AWG)

White - Warning Mode 2 (22AWG)

Green\* - Warning Mode 3 (22AWG) \*On Dual color model only.

Yellow - Flash Pattern & Sync (22AWG)

**Wires Length:** 25cm (9.84IN)

**Fuse Rating:** 1A

**Synchronization:** up to 20 units

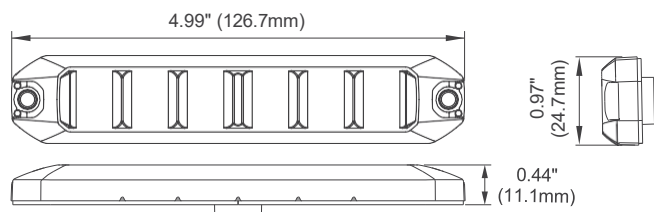
**LED Color:** Amber, Blue, Green, Red, White

**Lens Color:** Clear

**Storage Temp.:** -40°C to +75°C

**Working Temp.:** -40°C to +65°C

### DIMENSIONS



### FLASH PATTERN

Flash Pattern				
1	Double	[2Hz]	17	Single-Triple-Quint
2	Single	[2Hz]	18	Steady Scene
3	Triple	[2Hz]	19	Cruise
4	Quad	[2Hz]	20	Sweep Single TA
5	Random		21	OFF
6	Steady EF*		22	Single-Single
7	Single	[SAE/CA13]	23	Double-Double
8	Double	[SAE]	24	Triple-Triple Mid
9	Triple	[SAE]	25	Triple-Triple Fast
10	Quad	[SAE]	26	Quint-Triple
11	Quint	[SAE]	27	7-1 Flash
12	Mega		28	7-1 Flash #
13	Giga		29	Quad-Single
14	Ultra	[SAE]	30	Quad-Single #
15	Single-Quad		31	Quint-Quint
16	Single H/L			

**Programador Listo para el programador (SP007)**

Este producto se puede configurar idealmente mediante el uso del programador con el patrón de destelli deseado, grupo (Fase) y el modo de color para ahorrar tiempo de instalación.