

► Model G-MSC

# Global Series® Hazardous Location Custom Fixtures

Quick and easy inter-connecting modular products are the best way to describe the Global Series® product line.

All Global Series fixtures start with the increased safety "Ex de" models and can be combined into a multitude of configurations using two to six devices. The patented connecting system greatly simplifies a user's installation and wiring experience by requiring only a single explosion-proof wiring gland external to the devices.

Two standard configurations are available pre-assembled from the factory: Linear and Parallel. Other custom configurations are available to meet unique project requirements. Some restrictions apply; contact our Technical Support team or your local sales representative for more options.

Refer to individual Global Series data sheets for additional information.



## FEATURES

- Fully factory assembled
- Non-metallic corrosion resistant GRP housings
- Optional 316 stainless steel ratchet adjustable mounting U-bracket for G-MSC-2B only (field assembly required)
- 316 stainless steel dome guard included on visual signals
- Standard M20 cable entries; 1/2" NPT and 3/4" NPT adapters available; M25 cable entry option
- No mounting orientation limitations
- LED has 8 field selectable flash patterns, default setting to "Flashing at 60 FPM"
- High-output strobe available in 15J or 21J
- Sounder has 15 field selectable tones, default setting to "C" 1kHz tone
- Includes all connector kits/hardware and standard single activation or audio wiring with flying leads. Customer wiring and activations are available, contact factory for assistance
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red and Yellow
- Field customizable legend plates available<sup>1</sup>
- Additional custom configurations are available contact Technical Support or a local sales agent for information
- IP66 enclosure
- G-LED and G-STR units are IP69K compliant
- Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIIC
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- UL Fire Listed (24VDC, Clear 21J Strobe and Sounder only)

<sup>1</sup> Recommended labels: BRADY #B-855 Toughwash labels or ULIN #S-16643 weather resistant

## Global Series® Hazardous Location Custom Fixtures (G-MS-C)

## G-MSC Linear Configurations

Available from 2 to 6 devices in a linear configuration.  
Devices positions start bottom to top.  
Position #1 determined by proximity to junction box.



## G-MSC Parallel Configurations

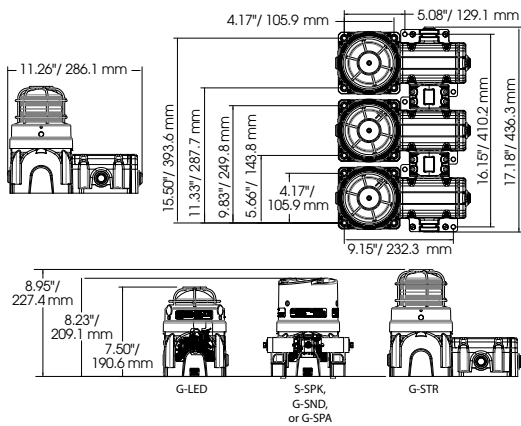
Available from 2 to 6 devices in a stacked parallel configuration.  
Device positions start bottom left, proceed left to right, then bottom to top.



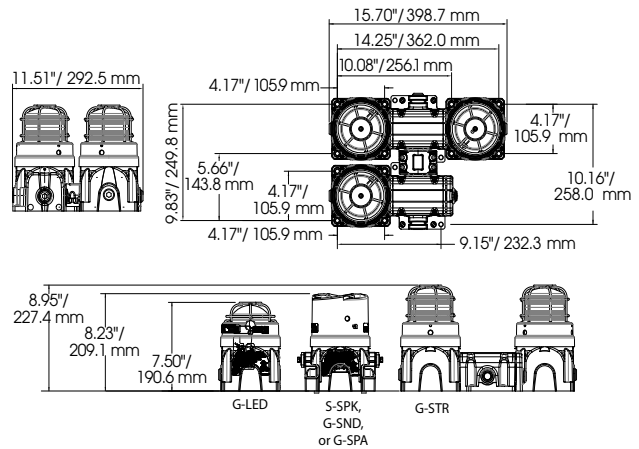
# Global Series® Hazardous Location Custom Fixtures

Refer to the Global Series G-MSC-2 Dual Signal cut sheet for G-MSC-2A, G-MSC-2BA and G-MSC-2C drawings.

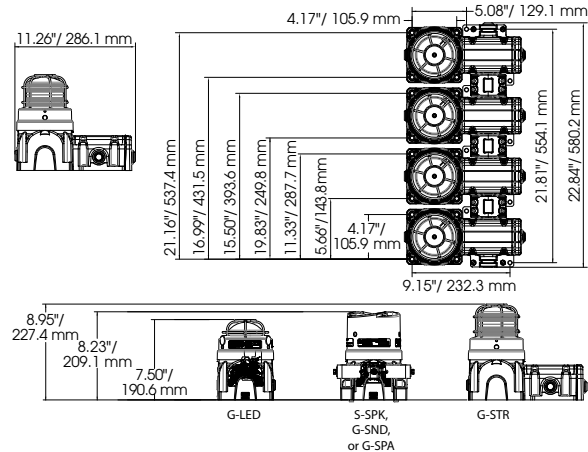
## G-MSC-3A – Linear



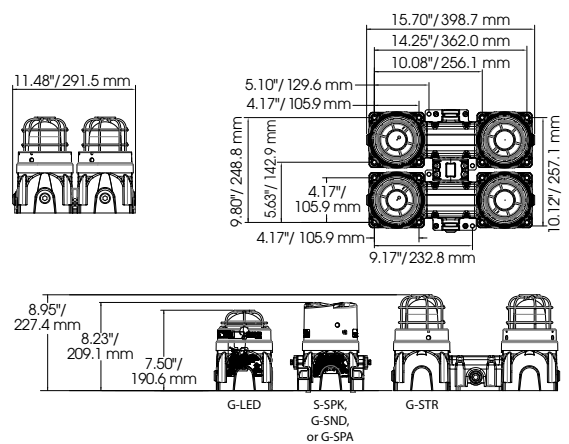
## G-MSC-3B – Parallel



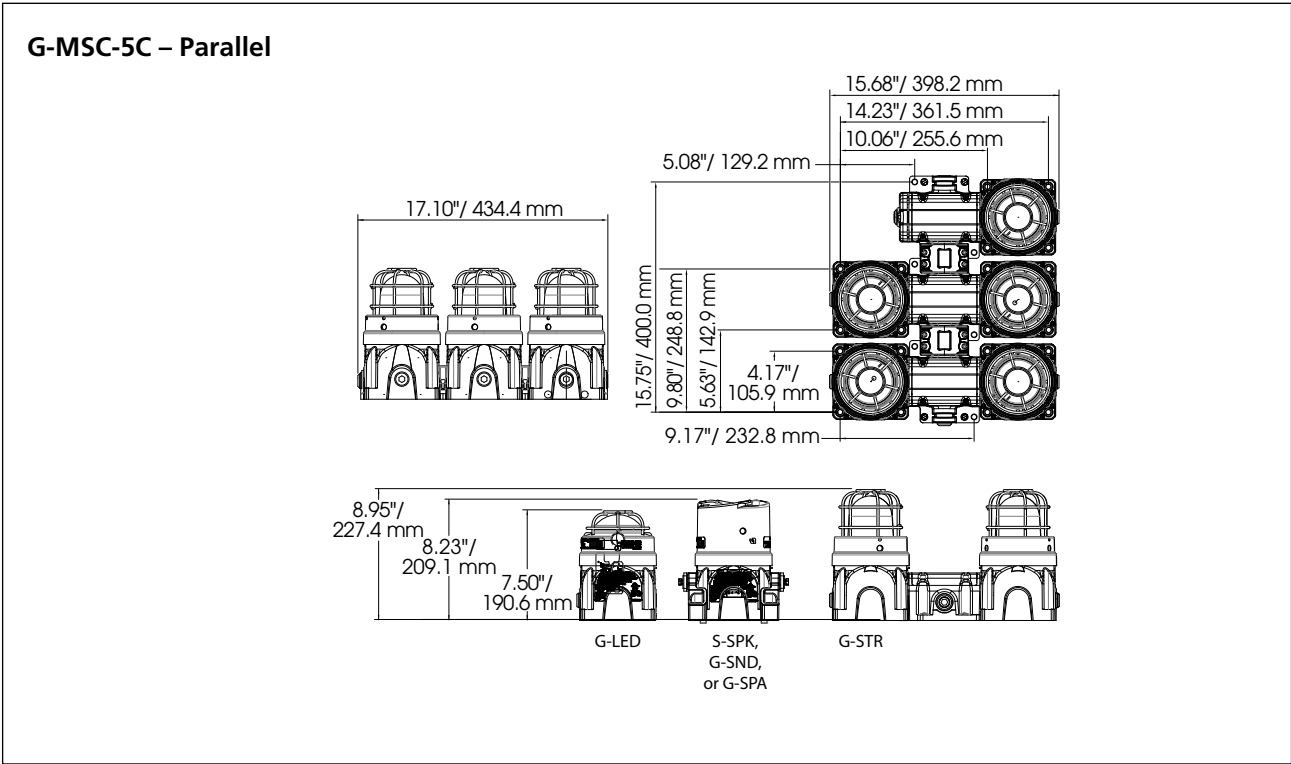
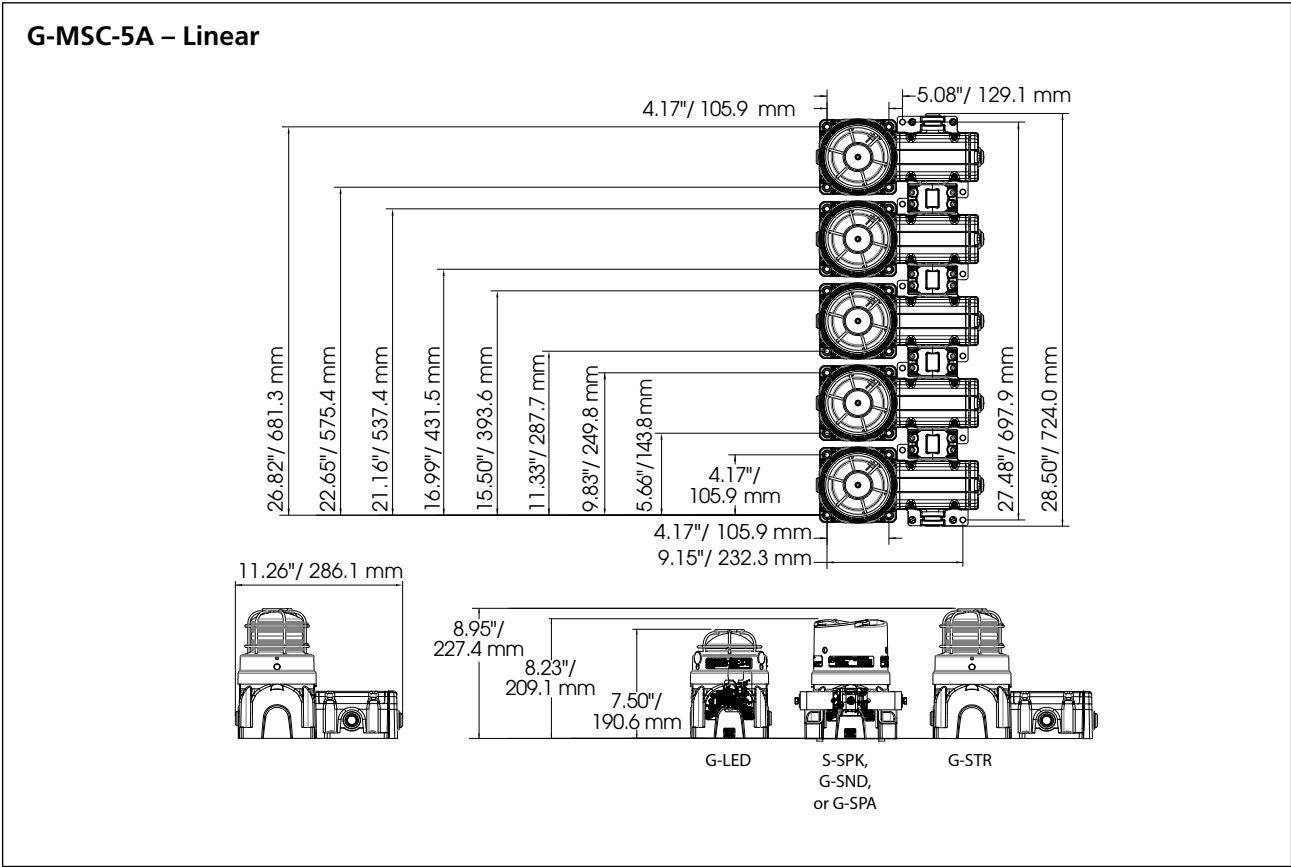
## G-MSC-4A – Linear



## G-MSC-4C – Parallel



Global Series® Hazardous Location Custom Fixtures (G-MSC)





### G-MS-C6A – Linear

The technical drawing illustrates the G-MS-C6A linear lighting fixture. The top portion shows a side view of the fixture with a series of horizontal lines indicating the mounting depth for different lengths. The dimensions for these lengths are: 32.49" / 825.1 mm, 28.32" / 719.2 mm, 26.82" / 681.3 mm, 22.65" / 575.4 mm, 21.16" / 537.4 mm, 16.99" / 431.5 mm, 15.50" / 393.6 mm, 11.33" / 287.7 mm, 9.83" / 249.8 mm, and 5.66" / 143.8 mm. The total length of the fixture is 5.08" / 129.15 mm. The bottom portion shows a front view of the fixture with three different mounting options: G-LED, S-SPK, G-SND, or G-SPA, and G-STR. The dimensions for these options are: 8.95" / 227.4 mm, 8.23" / 209.1 mm, 7.50" / 190.6 mm, and 9.15" / 232.3 mm.

Mounting Option	Dimension (inches)	Dimension (millimeters)
G-LED	8.95"	227.4 mm
S-SPK, G-SND, or G-SPA	8.23"	209.1 mm
G-STR	7.50"	190.6 mm
Fixture Length	5.08"	129.15 mm

### G-MSC-6C – Parallel

Technical drawings of the G-MSC-6C Parallel lighting fixture, showing dimensions in inches and millimeters.

**Front View Dimensions:**

- Overall width: 17.14" / 435.4 mm

**Side View Dimensions:**

- Overall height: 15.46" / 392.6 mm
- Height to top of lens: 11.25" / 285.7 mm
- Height to bottom of lens: 9.80" / 248.8 mm
- Height to bottom of mounting bracket: 5.66" / 143.8 mm
- Height to bottom of mounting bracket (alternative): 4.17" / 105.9 mm
- Height to bottom of mounting bracket (alternative): 9.17" / 232.8 mm

**Top View Dimensions:**

- Overall width: 15.70" / 398.7 mm
- Width to center of lens: 14.25" / 362.0 mm
- Width to center of lens (alternative): 10.08" / 256.0 mm
- Width to center of lens (alternative): 5.10" / 129.6 mm
- Width to center of lens (alternative): 4.17" / 105.9 mm

**Bottom View Dimensions:**

- Overall width: 8.95" / 227.4 mm
- Width to center of lens: 8.23" / 209.1 mm
- Width to center of lens (alternative): 7.50" / 190.6 mm

**Labels:**

- G-LED
- S-SPK, G-SND, or G-SPA
- G-STR

# Global Series® Hazardous Location Custom Fixtures (G-MSC)

## HOW TO ORDER

**G** - **MSC**

**MODEL** - **TYPE MSC**

**6A**

**CONFIGURATION**

**2A** 2 Device Linear  
**2B** 2 Device Parallel  
**2C** 2 Device Parallel w/ U-Bracket  
**3A** 3 Device Linear  
**3B** 3 Device Parallel  
**4A** 4 Device Linear  
**4C** 4 Device Parallel  
**5A** 5 Device Linear  
**5C** 5 Device Parallel  
**6A** 6 Device Linear  
**6C** 6 Device Parallel

**120**

**VOLTAGE**

**024** (24VDC)  
**120** (120VAC)  
**230** (220-240VAC)

### DEVICE AND COLOR CODE (Up to 6 Devices)

1	2	3	4	5	6
<b>NN</b>	<b>K7N</b>	<b>LB</b>	<b>SR</b>	<b>SG</b>	<b>LY</b>
<b>DEVICE</b>					
<b>AN</b> Amplified Speaker – 0.8/2.8Vrms					
<b>A2N</b> Amplified Speaker – 25Vrms					
<b>L</b> LED Low Profile					
<b>L1</b> LED High Profile					
<b>K7N</b> Loudspeaker – 70V					
<b>K1N</b> Loudspeaker – 100V					
<b>NN</b> Sounder					
<b>S1</b> Strobe – 15J					
<b>S</b> Strobe – 21J					
<b>COLOR</b>					
<b>A</b> Amber					
<b>B</b> Blue					
<b>C</b> Clear					
<b>G</b> Green					
<b>M</b> Magenta					
<b>R</b> Red					
<b>Y</b> Yellow					
<b>Blank</b> Audible					

### Audible Device Restrictions

- 1) Fixtures are limited to two audible devices in any configuration. Audible devices must be located in Position #1 or #2. Position #1 is designated by the first device connected to the junction box (user supplied).
- 2) In a parallel configuration, if Position #1 is a G-SPA, Position #2 cannot be a G-SPA or G-SPK.
- 3) In a parallel configuration, if Position #1 is a G-SPK, Position #2 cannot be a G-SPA.

## OPTIONAL ACCESSORIES

### Cable Entry Options and Adapters

Description	Part Number
E-Box Endcap with M20 Opening	K859500805-02
E-Box Endcap with M25 Opening	K859500805-01
E-Box Cover Assembly <sup>1</sup>	K859501414
Adapter, M20 Male to 1/2" Female NPT	K231246A
Adapter, M20 Male to 3/4" Female NPT	K231247

<sup>1</sup> Includes two terminal blocks, mounting plate and retention hardware

### Indicator Ring and Legend Plate Kit

Kit includes one (1) indicator ring, one (1) legend plate<sup>2</sup>, and associated hardware

Description	Part Number
Black	G-KIT-RP-BK
Blue	G-KIT-RP-B
Green	G-KIT-RP-G
Magenta	G-KIT-RP-M
Red	G-KIT-RP-R
Yellow	G-KIT-RP-Y



<sup>2</sup> Recommended labels: BRADY #B-855 Toughwash labels or ULINE #S-16643 weather resistant

Patent No. 9,886,832 B2