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► Model G-LED

Global Series Signaling Platform – LED

Non-metallic design for low maintenance and corrosion resistance

The Federal Signal patent pending G-Series LED Beacons feature a long-life LED light source with the ability to set one of eight (8) flash patterns (user-configurable). The device is rated to the latest protection concept, “Ex op is” (inherently safe optical radiation). The housing is made from GRP (Glass Reinforced Polyester) designed to serve the demanding needs of offshore marine and land-based industrial applications.

The G Series LED Beacons flameproof “Ex d” versions come standard with two (2) M20 entries. The increased safety “Ex de” versions include a separate terminal chamber for quick field termination or pass-through wiring, and includes three (3) M20 entries in a standard configuration.

The G-Series LED Beacons can be combined with all other G-Series audible and visual products in several custom configurations. Custom configurations can be ordered directly from the factory. Optional coupling kits, which allow limited field fixturing, are available.



Ex d U-bracket Mount



Ex d Surface Mount



Ex de Surface Mount

FEATURES

- Seven available lens colors: Amber, Blue, Clear, Green, Magenta, Red and Yellow
- Available in 24VDC and 120-240VAC 50/60Hz
- Optional 316 stainless steel ratchet adjustable mounting U-bracket (Field installation required)
- 50,000 hour LED array
- GRP (Glass Reinforced Polyester) Non-metallic corrosion-resistant design
- Dome guard included
- 24VDC models contain a supervisory diode and four wire terminal block
- For use in alarm control panel applications
- M20 entries standard
- IP66 enclosure
- Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIC
- 3 Selectable pattern speeds (60, 75, or 90 RPM/FPM)
- Auto-sync available for AC flashing pattern products
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red and Yellow
- Field customizable legend plates available¹

MODEL	OPERATING VOLTAGE	OPERATING CURRENT ²	TEMPERATURE CODE AT 58 °C	LAMP LIFE HOURS	CANDELA ³	LUMENS ⁴
G-LED	24VDC	0.300 amps	T6	50,000	175	400
	120-240VAC 50/60Hz	0.12-0.70 amps	T6	50,000	175	400

¹ Recommended labels: BRADY #B-855 Toughwash labels or ULINE #S-16643 weather resistant

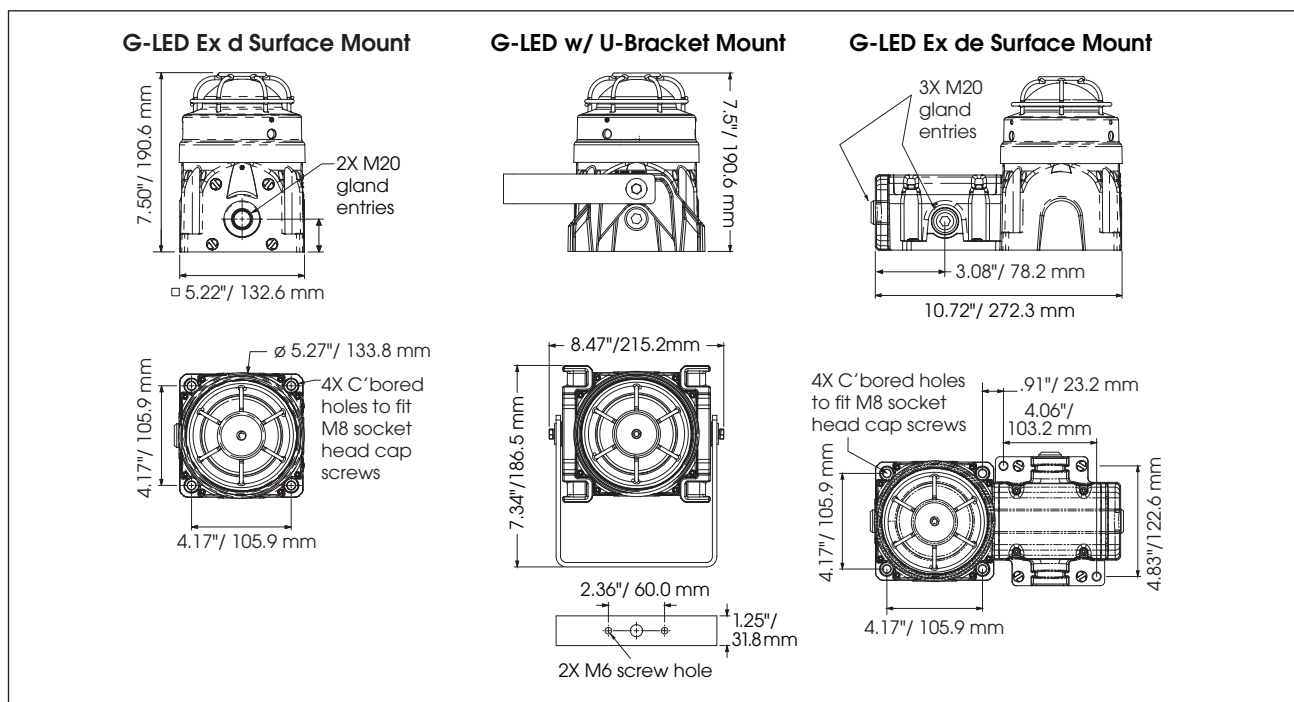
² Operating current varies with color

³ Candela measured with white LED array and clear lens

⁴ Lumens measured with white LED array and clear lens



Global Series Signaling Platform – LED (G-LED)



SPECIFICATIONS

Lamp Life:	50,000 Hours
Light Source:	High-brightness LED Emitter
Nominal Operating Temperature Range:	-58°F to 158°F -50°C to +70°C
Certification Marking:	II 2GD Ex d IIC Gb, Ex tb IIIC Db IP66. T6 @ 58°C; T5 @ 70°C II 2GD Ex de IIC Gb, Ex tb IIIC Db IP66. T6 @ 58°C; T5 @ 70°C ATEX: Baseefa15ATEX0153X IECEX: IECEX BAS 15.0102X
Guard and External Fasteners:	316 stainless steel
Terminals:	Ex d: 6 way block (3 in, 3 out) Ex de: 2x3 position quad pole terminal block
Cable Entries:	Ex d: 2 entries - M20 x 1.5 Ex de: 3 entries - M20 x 1.5
Net Product Weight:	
Ex d Surface Mount:	6.17 lbs. 2.80 kg
Ex d U-Bracket Mount:	8.15 lbs. 3.70 kg
Ex de Surface Mount:	8.99 lbs. 4.08 kg

REPLACEMENT PARTS

Description	Part Number
DC LED (24VDC) Internal Sub-assembly Kit (Includes PCBAs, bracket, LED light head and mounting screw)	
LED/PCB DC Sub-Assy, Amber	K859501400-A
LED/PCB DC Sub-Assy, Blue	K859501400-B
LED/PCBA DC Sub-Assy, White	K859501400-W
LED/PCB DC Sub-Assy, Green	K859501400-G
LED/PCB DC Sub-Assy, Magenta	K859501400-W
LED/PCB DC Sub-Assy, Red	K859501400-R
LED/PCB DC Sub-Assy, Yellow	K859501400-W
AC LED (120-240VAC) Internal Sub-assembly Kit (Includes PCBAs, bracket, LED light head and mounting screw)	
LED/PCB AC Sub-Assy, Amber	K859501401-A
LED/PCB AC Sub-Assy, Blue	K859501401-B
LED/PCB AC Sub-Assy, White	K859501401-W
LED/PCB AC Sub-Assy, Green	K859501401-G
LED/PCB AC Sub-Assy, Magenta	K859501401-W
LED/PCB AC Sub-Assy, Red	K859501401-R
LED/PCB AC Sub-Assy, Yellow	K859501401-W
Lens Ass'y, LED, Amber	K859500815
Lens Ass'y, LED, Blue	K859500815-01
Lens Ass'y, LED, Clear	K859500815-02
Lens Ass'y, LED, Green	K859500815-03
Lens Ass'y, LED, Red	K859500815-04
Lens Ass'y, LED, Magenta	K859500815-05
Lens Ass'y, LED, Yellow	K859500815-06
e-Box Endcap with M20 Opening	K859500805-02
e-Box Cover Assembly (Includes two terminal blocks, mounting plate and retention hardware)	K859501414

HOW TO ORDER

MODEL	TYPE	VOLTAGE	CONFIGURATION	COLOR
G	LED	DC	T	A
	LED	24VDC	D Ex d Surface Mount	A Amber
		AC 120-240VAC	T Ex d U-Bracket*	B Blue
			E Ex de Surface Mount	C Clear
				G Green
				M Magenta
				R Red
				Y Yellow

*Field Installation Required

Reference Global Series accessory product page for list of available accessories.

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