



Ex d Surface Mount
with low-profile lens



Ex d Trunnion Mount
with low-profile lens



Ex de Surface Mount
with low-profile lens

► Model G-LED

Global Series® Hazardous Location LED

Federal Signal's patented Global Series® LED Beacons feature long-life LEDs with the ability to select one of (8) flash patterns (user-configurable) and offer two lens options (low- or high-profile). 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 Global Series LED Beacons flameproof "Ex d" versions come standard with (2) M20 entries. The increased safety "Ex de" versions include separate terminal chambers for quick field termination or pass-through wiring and include (3) M20 entries in a standard configuration.

These units can be combined with other Global Series products to create factory-direct custom configurations, or optional coupling kits are available for limited field fixturing. The Global Series LED Beacon is ideal for use in alarm control panel applications.



FEATURES

- Available in 24 Vdc and 120-240 Vac 50/60 Hz
- Optional stainless steel ratchet-adjustable mounting U-bracket (field installation required)
- GRP (Glass Reinforced Polyester)
- Non-metallic corrosion-resistant design, available in Red or Black
- Two lens options: low- or high-profile
- Dome guard included
- 24 Vdc models contain a supervisory diode and four-wire terminal block
- M20 entries standard
- LED has (8) on-board flash patterns, factory default is flashing at 60 FPM
- "Auto-sync" available for AC flashing pattern products²
- Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red, and Yellow
- Field-customizable legend plates available¹
- Type 4X, IP66 enclosure, IP67
- 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 and cUL Listed for Class 1, Zone 1; Zone 21
- UKEX certified
- 316SS guard and external fasteners

MODEL	OPERATING VOLTAGE	OPERATING CURRENT	LIGHT OUTPUT	
			HIGH PROFILE	LOW PROFILE
G-LED	24 Vdc	0.30 A	140 cd	175 cd
	120-240 Vac 50/60 Hz	0.12-0.07 A	140 cd	175 cd

UL/cUL HAZARDOUS LOCATION RATING

TEMPERATURE CODE AT 70°C

Class I, Division 2, Groups A, B, C, D T4

Class II, Division 2, Groups F, G T6

Class III T6

UL/cUL HAZARDOUS LOCATION CLASS/ZONE

TEMPERATURE CODE AT 70°C

T4

ATEX/IECEx HAZARDOUS LOCATION RATING

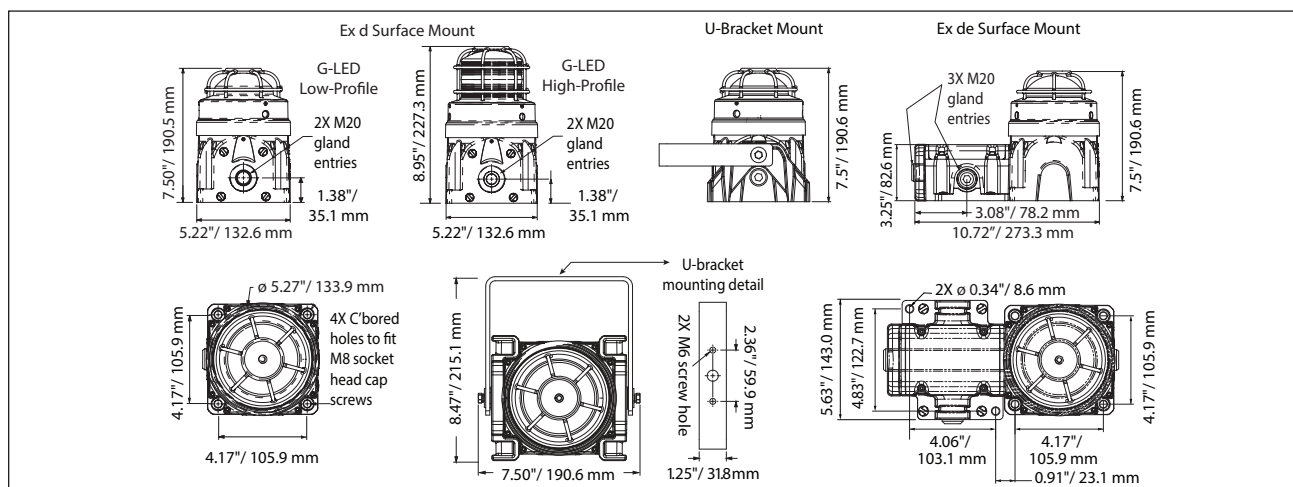
TEMPERATURE CODE AT 70°C/58°C

T5/T6

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

² Consult our Technical Support team for details

Global Series® Hazardous Location LED (G-LED)

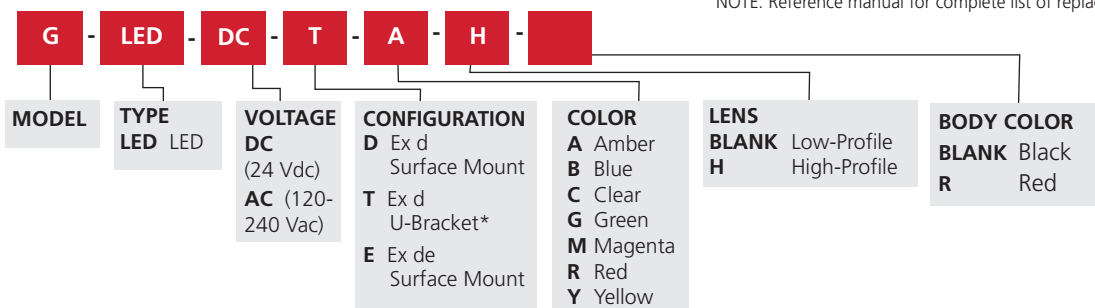


SPECIFICATIONS

Lamp Life: 50,000 Hours
 Light Source: LED
 Operating Temperature: -67° to 158°F (-55° to 70°C)
 ATEX/IECEx Certification Marking:
 II 2 GD Ex db op is IIC Gb or Ex db eb op is IIC: T6 @ 58°C
 Ex op is tb IIIC T85°C Db IP66 @ 58°C
 II 2 GD Ex db op is IIC Gb or Ex db eb op is IIC: T5 @ 70°C
 Ex op is tb IIIC T100°C Db IP66 @ 70°C
 ATEX: Baseefa15ATEX0153X
 IECEx: IECEx BAS 15.0102X
 Terminals: 4mm² (12 AWG) Max
 Ex d: 6-way block (3 in, 3 out)
 Ex de: 2X 3-pole, 4-position, quad-pole terminal blocks
 Cable Entries: Ex d: 2 entries - M20 x 1.5
 Ex de: 3 entries - M20 x 1.5
 UL and cUL Certification Marking:
 Class I, Division 2, Groups A, B, C, D T4 @ 70°C
 Class II, Division 2, Groups F, G T6 @ 70°C
 Class III T6 @ 70°C
 Certificate Number E207119
 Class 1, Zone 1 AEx db op is IIC T4 @ 70°C
 or Class 1 Zone 1 AEx db eb op is IIC T4 @ 70°C
 Zone 21, AEx op is tb IIIC T135°C
 Certificate Number E488522
 Net Product Weight:

	Low-Profile:	High-Profile:
Ex d Surface Mount:	6.17 lb (2.80 kg)	6.67lb (3.02 kg)
Ex d U-Bracket Mount:	8.15 lb (3.70 kg)	8.65 lb (3.92 kg)
Ex de Surface Mount:	8.99 lb (4.08 kg)	9.49 lb (4.30 kg)

HOW TO ORDER



*Order white LED board for Clear, Magenta, or Yellow product assemblies.

Global Series is a registered trademark of Federal Signal Corporation.

ACCESSORIES

Description	Part Number
E-Box Cover Assembly	K859501414
Adapter, M20 Male to 1/2-inch Female NPT	K231246A
Adapter, M20 Male to 3/4-inch Female NPT	K231247
Wall Mount Bracket	G-KIT-WBKT

REPLACEMENT PART

Description	Part Number
DC LED (24 Vdc) Internal Sub-Assembly Kits (Includes PCBA, bracket, LED light head and mounting screw)	
LED/PCB DC Sub-Assembly, Amber	K859501400-A
LED/PCB DC Sub-Assembly, Blue	K859501400-B
LED/PCB DC Sub-Assembly, White**	K859501400-W
LED/PCB DC Sub-Assembly, Green	K859501400-G
LED/PCB DC Sub-Assembly, Magenta**	K859501400-W
LED/PCB DC Sub-Assembly, Red	K859501400-R
LED/PCB DC Sub-Assembly, Yellow**	K859501400-W

AC LED (120-240 Vac) Internal Sub-Assembly Kits (Includes PCBA, bracket, LED light head and mounting screw)	
LED/PCB AC Sub-Assembly, Amber	K859501401-A
LED/PCB AC Sub-Assembly, Blue	K859501401-B
LED/PCB AC Sub-Assembly, White**	K859501401-W
LED/PCB AC Sub-Assembly, Green	K859501401-G
LED/PCB AC Sub-Assembly, Magenta**	K859501401-W
LED/PCB AC Sub-Assembly, Red	K859501401-R
LED/PCB AC Sub-Assembly, Yellow**	K859501401-W
E-Box Endcap with M20 Opening	K859500805-02
E-Box Endcap with M25 Opening	K859500805-01

NOTE: Reference manual for complete list of replacement parts.