FEDERAL SIGNAL

A B C G R Y

Model 2000 Series

Flameproof LED Light

The 2000 Series Model LED is a visual signal warning light for use in hazardous locations requiring ATEX approval. The beacon can produce three light patterns: steady-on, slow flash or rapid flash.

The 2000 Series LED beacon is sealed from dust and water by a nitrile rubber o-ring. All exterior cast aluminum surfaces are finished in powder coat paint and external hardware is manufactured from stainless steel to resist corrosion. Available signal colors are Amber, Blue, Clear, Green, Red and Yellow.

The 2000 Series LED beacon is externally powered by 24VDC or 110-240VAC source. All AC powered units feature a switch mode power supply that accommodates a wide input voltage range without requiring any additional configuration from the user. PLC initiation is compatible without the use of an external relay. Screw type terminal blocks are provided for field wiring on all units.

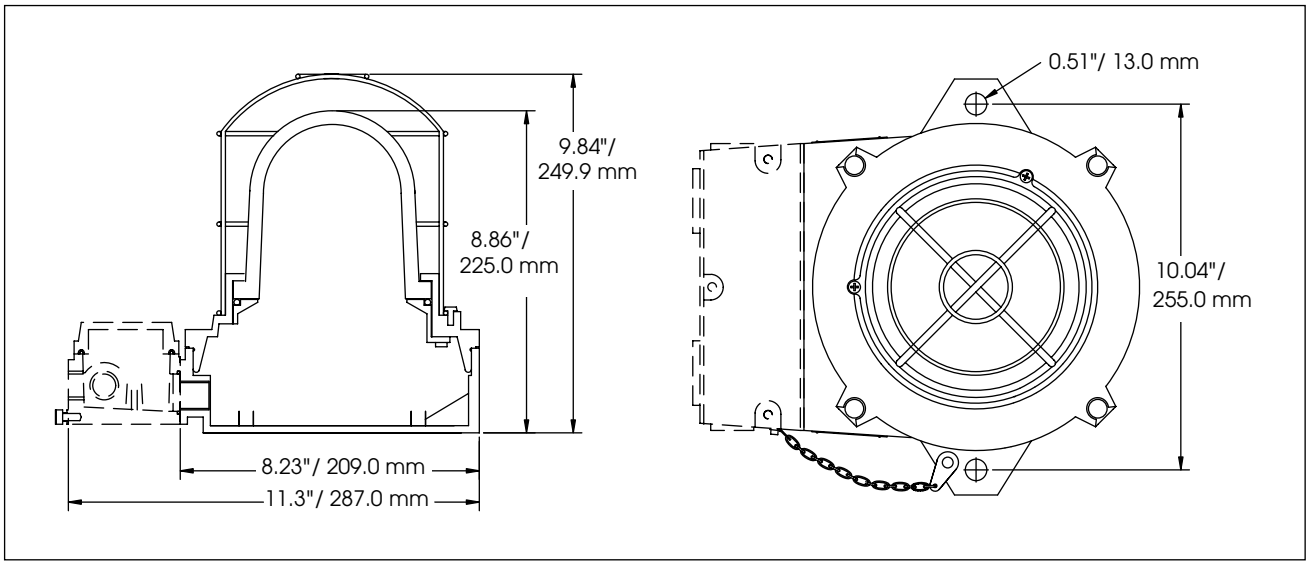
All variations of the 2000 Series LED beacon feature a four entry fixture to allow cable looping. These cable entries are metric (M20 X 1.5) but other configurations are available upon request.

FEATURES

- 3 remotely selectable flash patterns
- 50,000 hour lamp life
- Six lamp/lens colors:
  Amber, Blue, Clear, Green, Red and Yellow
- Ex 'e' terminal chamber available
- AC and DC voltage ranges
- Approved for use in Zone 1, 2, 21, 22 Atmospheres
- Corrosion resistant powder coat finish
- Stainless steel external hardware
- IP66 enclosure
- ATEX, IECEx and CE Certified

MODEL	VOLTAGE	OPERATING CURRENT	FLASH RATE/ MINUTE	MAXIMUM IN-RUSH CURRENT
2000 Series LED	24VDC	0.50 amps	60-80	1.75A for 5.00mS
	110VAC	0.22 amps	60-80	2.00A for 0.25mS
	240VAC	0.13 amps	60-80	2.00A for 0.25mS

Flameproof LED Light (2000 Series LED)



SPECIFICATIONS

Lamp Life:		50,000 Hours
Light Source:		LED
Light Output:		
Amber		113 cd
Blue		12 cd
Clear		90 cd
Green		66 cd
Yellow		60 cd
Red		63 cd
Operating Temperature:	-40°F to 131°F	-40°C to 55°C
Net Weight:		
Ex d:	13.23 lbs	6.0 kg
Ex de:	15.43 lbs	7.0 kg
Shipping Weight:	16.5 lbs	7.5 kg
Height:	9.84"	249.9 mm
Width:	10.04"	255.0 mm
Length:	8.23"	209.0 mm

ATEX Certificate Number:	Baseefa 07ATEX0150
IECEx Certificate Number:	IECEx BAS 07.0038
Certification Marking:	Ex d IIB T4 Ex tD A21 Ex de IIB T4 Ex tD A21
Terminals:	
Ex d:	4 way block mounted PCB
Ex de:	12 way block in terminal chamber
Cable entries:	
Ex d:	4 entries - M20 x 1.5
Ex de:	4 entries - M20 x 1.5
Mounting:	Via fixed cast lugs at two mounting points
Body:	Marine Grade Alloy painted Regal Red
Exterior dome:	Toughened glass
Guard:	316 stainless steel
Ingress Protection:	IP66

HOW TO ORDER

LED **DE** **U** **N** **A**

TYPE
LED LED Lamp

PROTECTION
DE Ex de
D4 Ex de 4-Entry

VOLTAGES ±10%
B (24VDC)
U (110-240VAC 50/60 Hz)

FACILITIES
N None

COLOR
A Amber
B Blue
C Clear
G Green
R Red
Y Yellow

#850000777 Rev. A0