FEDERAL SIGNAL

A B C G R Y

2000 Series Models XEN1 and XEN4

Flameproof Strobe Lights

The 2000 Series Models XEN1 and XEN4 Xenon beacons are visual warning lights for use in hazardous locations that require ATEX approval. Model XEN1 is a strobe light that contains a single xenon flashing tube. This makes it ideally suited for use in indoor explosion-proof areas that require compliance to European electrical safety directives.

Model XEN4 is a strobe light that utilizes four strobe tubes, timed in a sequential manner, to simulate the operation of a mechanical rotating beacon. This four-strobe version is ideal in outdoor situations where a conventional beacon may not be adequate.

The 2000 Series Xenon beacon is sealed from dust and water by a nitrile rubber o-ring seal. All exterior cast aluminum surfaces are finished in powder coat paint and external hardware is manufactured from stainless steel to resist corrosion.

The 2000 Series Xenon beacon is externally powered by a DC or AC power source. Screw type terminal blocks are provided for field wiring on all units.

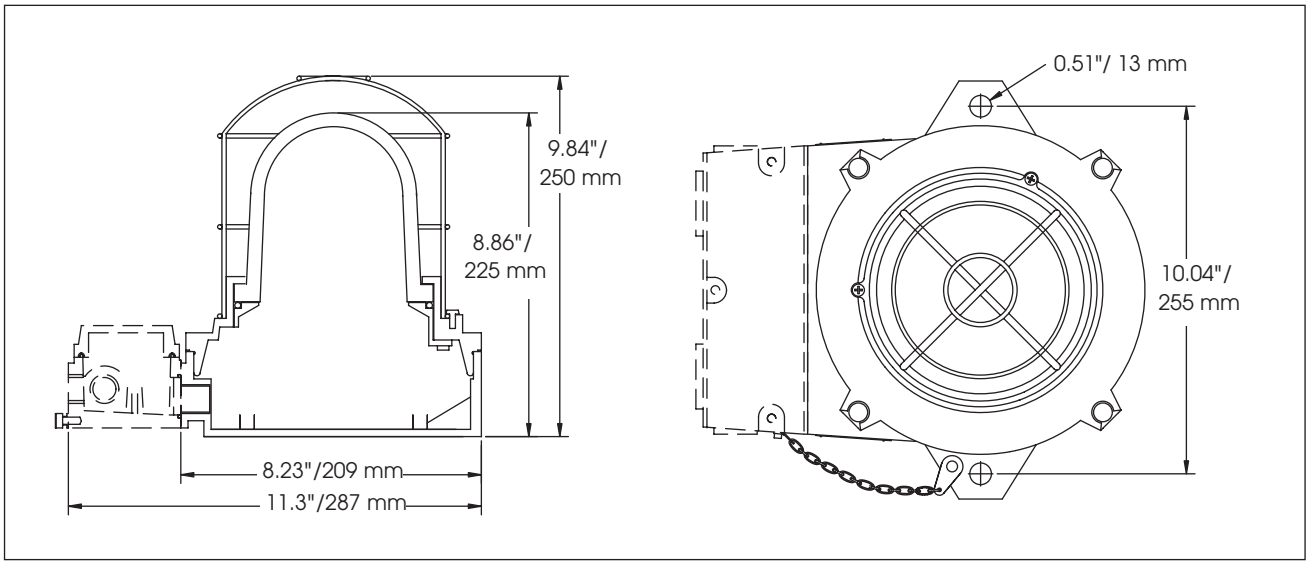
All variations of the 2000 Series Xenon beacon feature a four entry fixture to allow cable looping. These cable entries are metric (M20 X 1.5) but other configurations are available upon request.

FEATURES

- Single and four strobe tube models
- Internal fresnel lens (sold separately)
- Six dome colors: Amber, Blue, Clear, Green, Red and Yellow
- Ex de 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
- Telephone ringer initiation option
- ATEX, IECEx and CE Certified

MODEL	VOLTAGE	OPERATING CURRENT	FLASH RATE/ MINUTE
XEN1	24VDC	0.93 amps	80
	48VDC	0.81 amps	80
	110VDC	0.61 amps	80
	110VAC	0.48 amps	80
	240VAC	0.38 amps	80
XEN4	24VDC	1.90 amps	N/A
	48VDC	1.22 amps	N/A
	110VDC	0.92 amps	N/A
	110VAC	0.53 amps	N/A
	240VAC	0.41 amps	N/A

Explosion-Proof Strobe Lights (2000 Series XEN1/XEN4)



SPECIFICATIONS

Lamp Life:		5,000 Hours
Light Source:		Xenon
Operating Temperature:		
Ex d and Ex de:	-40°C to 158°F	-40°C to 70°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"	250 mm
Width:	10.04"	255 mm
Length:	8.23"	209 mm
ATEX Certificate Number:		Baseefa 07ATEX0150
IECEx Certificate Number:		IECEx BAS 07.0038

Certification Marking:	
Ex d IIB T4 Gb, Ex tb IIIB Db	Ex de IIB T4 Gb, Ex tb IIIB Db
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

XEN1 **DE** **M** **N** **O**

TYPE
XEN1 Xenon, Single
XEN4 Xenon, Four

PROTECTION
DE Ex de
D4 Ex d 4-Entry

VOLTAGES ±10%
M (240VAC)
B (024VDC)
L (110VAC)
C (048VDC)
D (110VDC)[1]

FACILITIES
N None
T Telephone Link

SPECIAL FEATURES
For special features and future variations

Colored Xenon Lens Sold Separately:

Description	Part Number
Amber	A1131S
Blue	A1111S
Clear	A2133S
Green	A1198S
Red	A1779S
Yellow	A3410S

[1] Range 100VDC to 135VDC with xenon beacons (inclusive of ±10%).