FEDERAL SIGNAL

Models 2000 Series XEN1 and XEN4

Flameproof Strobe Lights

Federal Signal's 2000 Series Models XEN1 and XEN4 xenon beacons are visual warning lights for uses 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.

Flameproof strobe lights are 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 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 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.

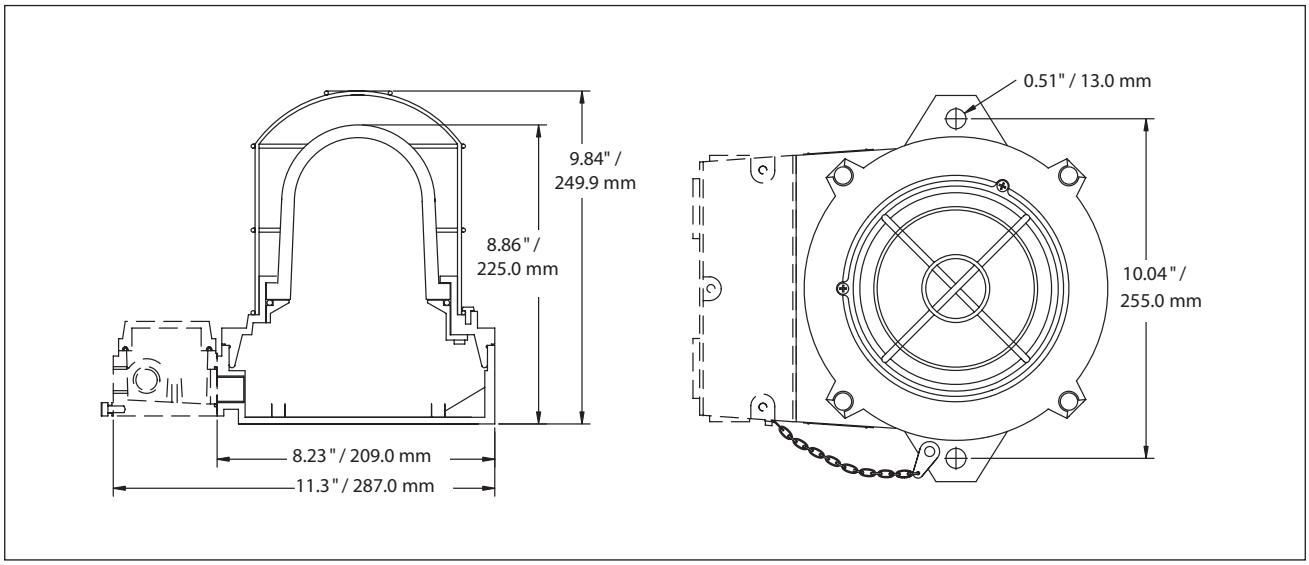
LENS COLOR OPTIONS

FEATURES

- Single- and four-strobe tube models
- Internal fresnel lens (sold separately)
- Six lens colors: Amber, Blue, Clear, Green, Red, and Yellow
- Ex de terminal chamber available
- IP66 enclosure
- Approved for use in Zone 1, 2, 21, 22 Atmospheres
- Corrosion-resistant powder coat finish
- Stainless steel external hardware
- ATEX, IECEx, and CE Certified

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

Flameproof Strobe Lights (2000 Series XEN1 and XEN4)



SPECIFICATIONS

Lamp Life:	5,000 Hours
Light Source:	Strobe
Operating Temperature:	Ex d and Ex de: -40° to 158°F (-40° to 70°C)
Net Weight:	
	Ex d: 13.23 lb (6.0 kg)
	Ex de: 15.43 lb (7.0 kg)
Shipping Weight:	16.5 lb (7.5 kg)
Height:	9.84 in (249.9 mm)
Width:	10.04 in (255.0 mm)
Length:	8.23 in (209.0 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

Colored Xenon Lens Sold Separately

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

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

TYPE
XEN1 Xenon, Single
XEN4 Xenon, Four

PROTECTION
DE Ex de
D4 Ex d 4-Entry

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

FACILITIES
N None

SPECIAL FEATURES
For special features and future variations

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

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