LED

Explosion-Proof
LED Warning Light

2000 Series Model LED

The 2000 Series Model LED beacon, with XLT™ technology, is a visual signal warning light for use in hazardous locations requiring ATEX approval. The beacon can produce three light patterns depending on the configuration of a field selectable jumper wire or remote contact closure. The light patterns are: steady-on, slow flash and rapid flash. An optional telephone initiation feature also allows the beacon to flash when telephone ringing voltage is present.

The 2000 Series LED 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. 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. The current consumption from the beacon is less than 500mA and the in-rush current is low enough to allow PLC initiation without the use of an external relay. Screw type terminal blocks are provided for field wiring on all units.
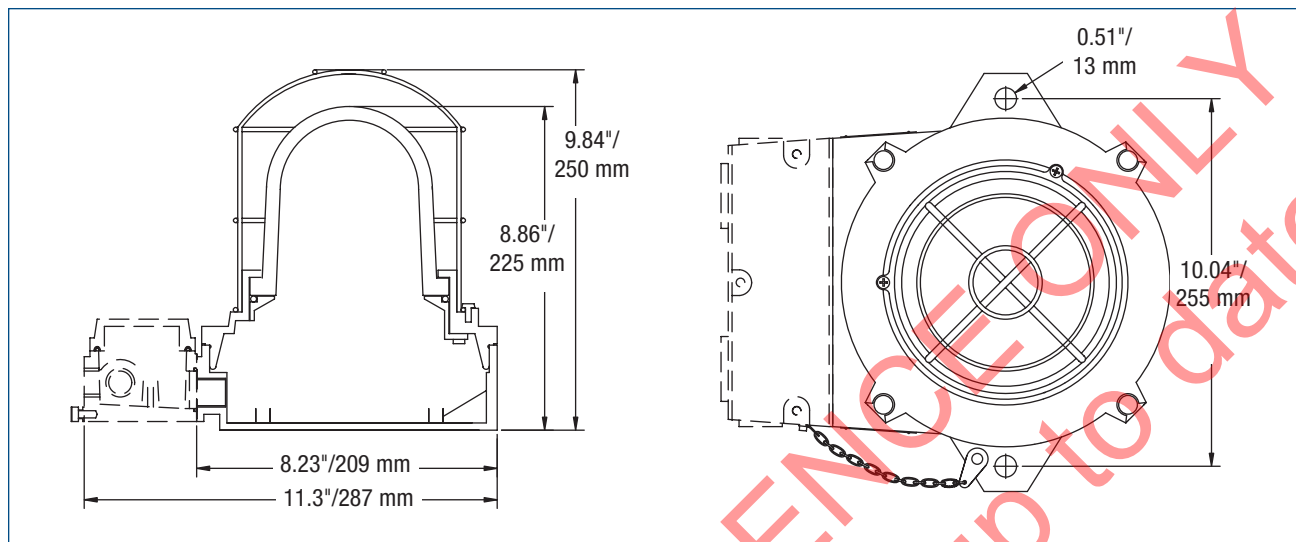
All variations of the 2000 Series LED beacon feature a four entry fixture to allow cable looping. These cable entries are metric M20 X 1.5, but other configurations are available upon request.

DESIGNED FOR USE IN ATEX ZONE RATED ATMOSPHERES

- Super bright output with XLT™ Technology

- 3 remotely selectable flash patterns

- 50,000 hour lamp life

- Available in six colors

- Ex 'e' terminal chamber available

- AC and DC voltage ranges

- Approved for use in Zone 1, 2, 21, 22 Atmospheres

ATEX IEC ⟨Ex⟩ C€

Model	Voltage	Operating Current	Flash Rate/ Minute	Max In-Rush Current
LED	24VDC	0.50 amps	60-80	1.75A for 5.00mS
LED	110VAC	0.22 amps	60-80	2.00A for 0.25mS
LED	240VAC	0.13 amps	60-80	2.00A for 0.25mS

Specify color: (A) Amber, (B) Blue, (C) Clear, (G) Green, (R) Red or (Y) Yellow

5 yr WARRANTY FEDERAL SIGNAL

EXPLOSION-PROOF WARNING LIGHT (2000 SERIES LED)
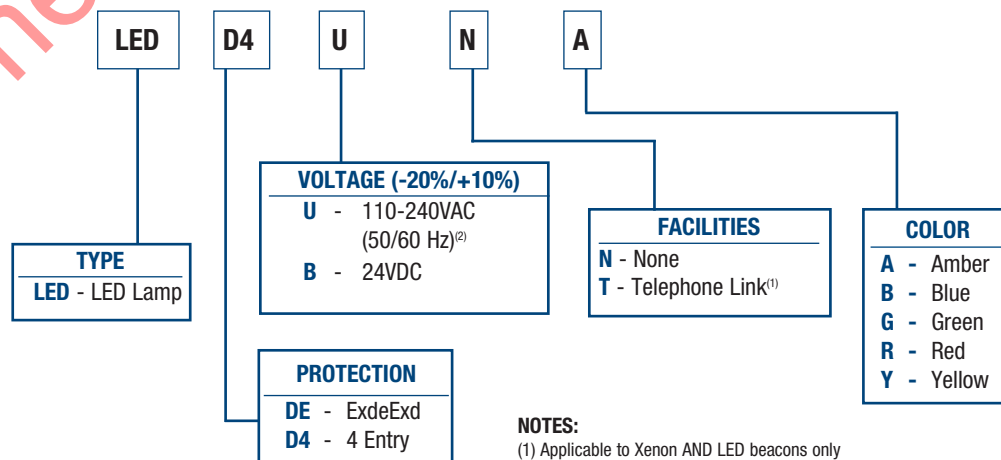

SPECIFICATIONS

Lamp Life:	50,000 Hours	50,000 Hours	Terminals:
Light Source:	LED Array	LED Array	Ex d: 4 way block mounted PCB
Operating Temperature:			Ex de: 12 way block in terminal chamber
Ex d and Ex de:	-40°F to 131°F	-40°C to 55°C	
Net Weight:			Cable entries:
Ex d:	13.23 lbs.	6.0 kg	Ex d: 4 entries - M20 x 1.5
Ex de:	15.43 lbs.	7.0 kg	Ex de: 4 entries - M20 x 1.5
Shipping Weight:	16.5 lbs.	7.5 kg	Mounting: Via fixed cast lugs at two
Height:	9.84"	250.0 cm	mounting points
Width:	10.04"	255.0 cm	Body: Marine Grade Alloy painted Regal Red
Length:	8.23"	209.0 cm	Exterior dome: Toughened glass
ATEX Certificate Number:	Baseefa 07ATEX0150		Guard: 316 Stainless steel
IECEx Certificate Number:	IECEx BAS 07.0038		Ingress Protection: IP66
Certification Marking:	Ex d IIB T6 Ex tD A21	Ex de IIB T6 Ex tD A21	

LIGHT OUTPUT

Amber	113cd
Blue	12cd
Green	66cd
Yellow	60cd
Red	63cd

HOW TO ORDER

LED · **D4** · **U** · **N** · **A**

TYPE
LED - LED Lamp

PROTECTION
DE - ExdeExd
D4 - 4 Entry

VOLTAGE (-20%/+10%)
U - 110-240VAC (50/60 Hz)[2]
B - 24VDC

FACILITIES
N - None
T - Telephone Link[1]

COLOR
A - Amber
B - Blue
G - Green
R - Red
Y - Yellow

NOTES:
(1) Applicable to Xenon AND LED beacons only
(2) LED beacon available in 24VDC and 110-240VAC only