

FB15 range steady beacons

Ex d, weatherproof



Overview

These certified steady beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions.

The enclosures are suitable for use offshore or onshore, where lightweight combined with corrosion resistance is required.

The housings are manufactured completely from a UV stable, glass reinforced polyester.* Stainless steel screws and mounting bracket are incorporated ensuring a totally corrosion-free product.

Units can be painted to customer specification and supplied with identification labels.

*UL pipe mount variants use an alloy lens cover, painted black where applicable.

Features

- Zones 1, 2, 21 & 22
- Exd IIC T3/T4
- ATEX certified, Ex II 2GD
- UL certified for USA and Canada:
 - Hazardous locations:
 - Class I, Div. 2, Groups A, B, C & D
 - Class I, Zone 1, AExd IIC T3/T4
 - Ordinary locations: visual-signal device
- TR CU certified
- INMETRO certified
- CQST certified
- IECEx Gb, Db
- Certified temperature from -55°C to $+70^{\circ}\text{C}$
- Pipe mount or direct mount enclosure
- Corrosion-free GRP
- 60W filament bulb
- Optional stainless steel backstrap
- Various lens colours
- Optional cast or wire lens guard
- Up to 3 x M20 or 3 x M25 entries



Certifications

ATEX Ex d	Cert. no. Baseefa 04ATEX0009X Certified to: EN60079-0, EN60079-1, EN60079-31 Ex II 2GD Ex db IIC T3/T4 Gb, Ex tb IIIC T135°C/T200°C Db
IECEX Ex d	Cert. no. IECEx BAS 05.0048X Certified to: IEC60079-0, IEC60079-1, IEC60079-31 Ex db IIC T3/T4 Gb, Ex tb IIIC T135°C/T200°C Db
UL Haz Locs	Cert. no. E187894 Class I, Div 2 Groups A,B,C & D Class I, Zone 1 AEx d IIC
UL Ord Locs	Cert. no. E187894. Visual signal device
TR CU Ex d	1Ex db IIC T3/T4 Gb X, Ex tb IIIC T135°C/T200°C Db X
INMETRO Ex d	Ex d IIC T3/T4 Gb, Ex tb IIIC T135°C/T200°C Db
CQST Ex d	Ex db IIC T3/T4 Gb, Ex tb IIIC T135°C/T200°C Db

Specifications

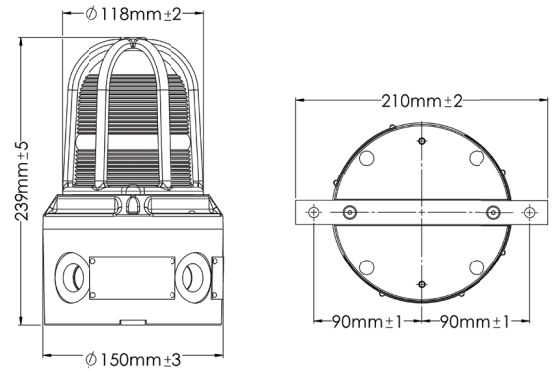
Material	Body: glass reinforced polyester. (UL pipe mount - alloy lens cover) Lens: glass Backstrap: stainless steel 316 Wire guard (optional): stainless steel wire Cast guard (optional): aluminium LM25M
Finish	Natural black or painted to customer specification
Models	FB15 ATEX – available in direct mount version only FB15 UL – available in pipe and direct mount versions
Voltage	24, 48V d.c. - 110, 120, 230, 240V a.c.
Lamp type	60W GLS filament
Lamp holder	E27 as standard
Certified temp	60W : from -55°C to +55°C (T4) from -55°C to +70°C (T3)
Weight	Pipe mount: 2.6kg; direct mount: 3.0kg
Ingress protection	IP66 & IP67
Entries	ATEX version: Standard: 2 x M20 Optional: 1 x M20/M25, 3 x M20/M25 entries UL version: Standard pipe: ¾" NPT Standard direct: 2 x ¾" NPT Optional direct: 1 x ½"/¾" NPT or 3 x ½"/¾" NPT Dual UL/ATEX, UL/IECEX: Standard direct: 2 x ¾" NPT
Terminals	Direct mount: 12 x 2.5mm ² Pipe mount: 8 x 2.5mm ²
Label	Tag/duty label option

Electrical ratings:

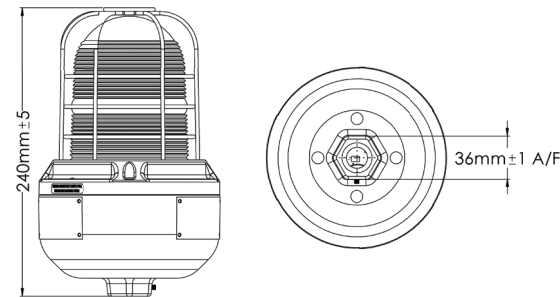
Nominal voltage	d.c.		a.c.			
	24	48	110	120	230	240
Current (A) - 60W lamp	2.5	1.25	0.55	0.50	0.26	0.25

General arrangement drawing (all dimensions in mm)

Direct mount version



Pole mount version



Ordering requirements

The following code is designed to help in selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box

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