# Ex d, Weatherproof



## Introduction

These certified beacons have been designed for use in potentially explosive gas and dust atmospheres and harsh environmental conditions. The glass reinforced polyester enclosures are suitable for use offshore or onshore, where lightweight combined with corrosion resistance is required.

The beacon housing is 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.

### **Features**

- Zone 1 and Zone 2 use.
- Exd IIB T4, T5 & T6.
- ATEX approved, Ex II 2GD.
- BASEEFA certified.
- UL Listed for USA and Canada:
  - Hazardous locations:

Class I, Div 2, Groups C & D.

Class I, Zones 1 & 2, AExd IIB T4/T5.

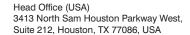
- Ordinary locations: Visual-Signal Device.
- IECEx certified Gb, Db.
- CUTR certified.
- Chinese (CQST) certified.
- Brazilian (Inmetro) certified.
- IP66 and IP67.
- Certified temperature: -55°C to +70°C.
- Corrosion resistant GRP.
- Optional stainless steel backstrap.
- Various lens colours.
- Optional lens guard.
- Optional telephone initiation.
- 2 x M20 cable entries or 2 x 1/2" NPT\*.
- Earth continuity option\*.
- Filament version (20W) available†.
- Fluorescent version (10W) available†.
- Beacon/Sounder Combination Unit available.

\*Model dependent.

†See FL11, FB11, FL12, FB12 data sheet.









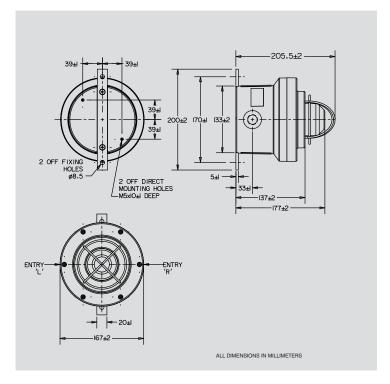
## Certification and Specification

Certification	on and Specification				
ATEX Ex d:	Cert. no. BAS99ATEX2195. Certified to: EN60079-0, EN60079-1, EN60079-31. Ex II 2GD, Ex d IIB T4/T5/T6 Gb, Ex tb IIIC T75°C/T90°C/T105°C Db.				
IECEx Ex d:	Cert. no. IECEx BAS 10.0101. Certified to: IEC60079-0, IEC60079-1, IEC60079-31. Ex d IIB T4/T5/T6 Gb, Ex tb IIIC 75°C/90°C/105°C Db.				
UL Haz Locs:	Listing no. E187894. Class I, Div 2, Groups C & D. Class I, Zones 1 & 2, AExd IIB T4/T5.				
UL Ord Locs:	Listing no. S8128. Visual Signal Device				
CUTR Ex d:	1Ex d IIB T4/T5/T6 Gb, Ex tb IIIC 75°C/90°C/105°C Db.				
Inmetro Ex d: CQST:	Ex d IIB T4/T5/T6 Gb. Ex d IIB T4/T5.				
Material:					
wateriai:	Body: Glass reinforced polyester. Lens: Glass.				
	Cover Screws + Backstrap: Stainless steel 316.				
Finish:	Natural black or painted to customer specification.				
Weight:	2.5Kg.				
Certified Temp:	Exd -55°C to +70°C (T4). -55°C to +55°C (T5).				
	$-55^{\circ}$ C to $+40^{\circ}$ C (T6).				
	UL $-55^{\circ}$ C to $+70^{\circ}$ C (hazardous locations).				
	-55°C to +55°C (ordinary locations).				
Ingress Protection:	IP66 & IP67.				
Fire Retardancy:	GRP is fire retardant to ISO 1210.				
Earth Continuity:	Optional for metal glands provided via a brass plate. (Not available for UL version).				
Terminals:	6 x 2.5mm <sup>2</sup> .				
Telephone initiation:	Initiation by telephone ringing tone.				
Labels:	Duty/Tag Label optional.				
Entries:	$2 \times M20$ ISO Exd. $2 \times ^{1}/_{2}$ " NPT UL. Note: ATEX/UL Dual Listed unit has up to $2 \times ^{1}/_{2}$ " NPT entries only.				
Beacon/Sounder Unit:	The beacon may be combined with an MEDC sounder to create a				

visual/audible alarm. Contact MEDC for price and specification.

>1x106 flashes

Tube Life:



#### **Electrical Ratings:**

	d.c.	a.c. 50/60Hz	
Voltage	24	110	240
XB11 Tube Energy (Joules)	5	5	5
Peak Current Consumption (mA)	320	100	60
Effective Intensity (Cd)	29	29	29
Peak Intensity (Cd)	22213	22213	22213
Power Consumption (Watts)	8	11	18

NOTE: The Cd figures are for a clear lens @ 1Hz flash rate.

#### **Multiplying Factor for Coloured Lenses:**

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

The photometric data has been verified by BSI. A report is available if required.

# 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.

