

# 21 JOULE XENON BEACONS

## EExd, Weatherproof

### XB12 Range



## Introduction

These high output certified beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance is required.

The beacon housing is manufactured completely from a U.V. 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.

- ★ Zone 1 and Zone 2 use.
- ★ EExd, IIB T4 & T5.
- ★ ATEX approved, Ex II 2G.
- ★ 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.
  - Marine Listed
- ★ GOST 'R' & 'K' Certified.
- ★ Chinese (CQST) Certified.
- ★ Inmetro Certified.
- ★ High Output (21 Joules).
- ★ IP66 and IP67.
- ★ Certified temperature  $-55^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- ★ Corrosion resistant GRP.
- ★ Optional stainless steel backstrap.
- ★ Various lens colours.
- ★ Optional lens guard.
- ★ Optional telephone initiation.
- ★ Twin replaceable tubes.

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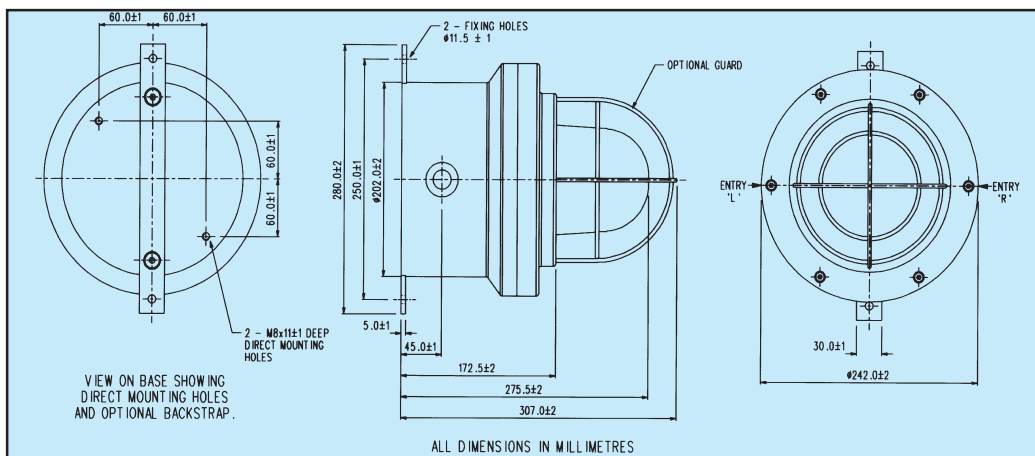
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# MEDC

6DS097/K



## Specification

Certification: CENELEC EN50014 and EN50018.  
Cert. No. BAS 99 ATEX 2196. EExd IIB T4 & T5.  
**UL Listed for USA and Canada:**

- Hazardous locations:  
Class I, Div 2, Groups C & D and  
Class I, Zones 1 & 2, AExd IIB T4 & T5.

UL Listing No: E187894.

- Ordinary locations: Visual-Signal Device.

- Marine Listed

UL Listing No. S8128.

**GOST 'R' Certification:** 1Exd IIB T4/T5.

**GOST 'K' Certification:** Exd IIB T4/T5.

**Chinese (CQST) Certification:** Exd IIB T4/T5.

**Inmetro Certification:** BR-Ex d IIB T3/T4/T5/T6.

Material: Body: - Glass reinforced polyester (GRP).  
Lens: - Glass  
Cover Screws + Backstrap: - Stainless steel 316.

Finish: Natural black or painted to customer specification.

Weight: 7.0Kg.

Certified Temperature: EExd -55°C to +70°C (T4). -55°C to +40°C (T5).

UL -55°C to +70°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 in UL version).

Terminals: 6 x 6.0mm<sup>2</sup>.

Telephone initiation: Initiation by telephone ringing tone.

Labels: Duty/Tag Label optional.

Entries: 2 x 20mm ISO EExd.  
2 x 1/2" NPT UL.

	DC	AC50/60 Hz
Voltage	24	110 240
XB12 Tube Energy (Joules)	21	21 21
Peak Current Consumption (mA)	1400	350 185
Effective Intensity (Cd)	355	355 355
Peak Intensity (Cd)	123691	123691 123691
Power Consumption (Watts)	33.6	38.5 44.4

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

### For Coloured Lenses

Colour	Red	Blue	Amber	Green	Yellow
Multiplying Factor	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 the selection of the correct unit. Build up the reference number by inserting the code for each component into the appropriate box. **For standard products, available ex-stock, contact sales office for details.**

Certification	Voltage	Flash Rate	Lens Colour	Lens Guard	Unit Fixing	Earth Continuity	Tag/Duty Label	Options	Unit Finish	
<b>XB12</b>										
<b>Certification</b>	<b>Code</b>			<b>Guard</b>	<b>Code</b>		<b>Label</b>	<b>Code</b>	<b>Options</b>	<b>Code</b>
Uncertified	W			None	N		None	N	*Telephone	T
ATEX	B			Yes	Y		Yes	Y	Blanking Plug	P
UL	UL						(Please specify)		None	N
UL (ordinary locations)	UW								*Telephone option not available in UL version.	
UL Marine	UM									
GOST 'R'	G									
GOST 'K'	K									
Chinese (CQST)	Q									
Inmetro	DM									
<b>Voltage</b>	<b>Code</b>	<b>Flash Rate</b>	<b>Code</b>	<b>Colour</b>	<b>Code</b>	<b>Unit Fixing</b>	<b>Code</b>	<b>Continuity*</b>	<b>Code</b>	<b>Finish</b>
24V d.c.	024	60/min	06	Red	R	Direct Mounting	D	None	N	Natural Black
110V a.c.	110	Other flash rates	available, please specify.	Blue	B	Backstrap	B	Yes	Y	Red
240V a.c.	240			Green	G					Blue
Other voltages available, please specify.				Amber	A					Yellow
				Yellow	Y					Grey
				Clear	C					White
										Special Finish



All the above specifications, dimensions, weights and tolerances are nominal (typical) and MEDC reserve the right to vary all data without prior notice. No liability is accepted for any consequence of use.