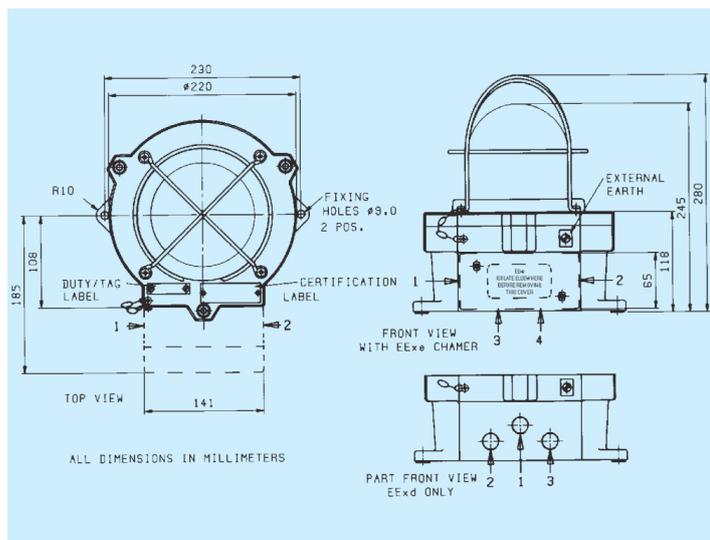


## 21 JOULE XENON BEACONS Exd(e), Weatherproof XB4 Range

These **high output (21 Joule)** beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The marine grade alloy or stainless steel enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance and strength is required. Units can be painted to customer specification and fitted with identification labels.

Available with optional Exe terminal chamber.

- Zone 1 and Zone 2 use.
- Ex de IIC T5.
- ATEX approved Ex II 2GD.
- BASEEFA certified.
- IECEx certified Gb, db
- UL Listed for USA and Canada
  - Hazardous locations:
    - Class I, Div 1, Groups C & D.
    - Class I, Zone 1, AExd IIB T4.
  - Ordinary locations: Visual-Signal Device.
- GOST 'R' Certified.
- Brazilian (Inmetro) Certified.
- \*Certified temperature  $-55^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .
- IP67 and IP66.
- Stainless steel or marine grade alloy.
- Various lens colours.
- Twin replaceable tubes.
- Exde version has gland earth continuity in the GRP terminal chamber.
- Tapered spigot flamepath.
- Telephone or relay initiated option.
- Optional lens guard.



### Specification

Voltage	DC			AC 50/60 Hz				
	24	48	110	110	120	220	240	254
Tube Energy (Joules)	21	21	21	21	21	21	21	21
Peak Current Consumption (mA)	1400	540	240	350	450	240	185	210
Effective Intensity (Cd)	355	355	355	355	355	355	355	355
Peak Intensity (Cd)	123691	123691	123691	123691	123691	123691	123691	123691

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

The photometric data has been verified by BSI. A report is available if required. **FOR COLOURED LENSES**

Colour	Red	Blue	Amber	Green	Yellow
Multiplying Factor (Approximate)	0.15	0.12	0.51	0.49	0.86

Telephone initiation or relay interface:	Initiation by telephone ringing tone or low voltage control signals, plus initiation of a second beacon or sounder.
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Certification:	<p>Certified to IEC60079-0, IEC60079-1, IEC60079-31.                  Certified to EN60079-0, EN60079-1, EN60079-7, EN60079-31.                  Atex Cert. No. Baseefa02ATEX0224X.                  Ex II 2 GD Ex d IIC T4/T5/T6 GB, Ex tb IIIC T85°C/T100°C/T1350°C Db or Ex de IIC T5.                  IECEx Cert. No. IECEx BAS 10.0078X                  Ex d IIC T4/T5/T6 Gb, Ex tb IIIC T85°C/T100°C/135°C Db.</p> <p><b>UL Listed for USA and Canada</b>                  – Hazardous locations:                  Class I, Div 1 Groups C-D                  Class I, Zone 1.                  Listing No. E187894.                  – Ordinary locations: Visual-Signal Device. Listing No. S8128.                  Refer to UL data sheet at rear of catalogue for complete information.</p> <p><b>GOST 'R' Certification:</b>                  1 Exd IIC T4, Russian Fire Approved (VNIIPO).</p> <p><b>Brazilian (Inmetro) Certification:</b>                  BR-Ex d IIC T3/T4/T5/T6.                  BR-Ex de IIC T3/T4/T5/T6.</p>
Certified Temperature:	<p>UL –25°C to +70°C BASEEFA &amp; GOST –50°C to +55°C (Exde).                  –55°C to +55°C (Exd).</p>
Terminals:	<p>Exe: 6 off suitable for up to 6mm<sup>2</sup> cable. (With telephone initiate 10 x 2.5mm<sup>2</sup>).                  Exd: 8 off suitable for up to 6mm<sup>2</sup> cable.</p>
Entries:	<p>Up to 3 x 20mm or 2 x 25mm ISO in Exd unit.                  Up to 4 x 20mm or 4 x 25mm ISO in Exe unit.</p>
Materials:	<p>LM25TF Marine Grade Alloy body.                  Grade 316 ANC4B Stainless Steel body.                  Glass reinforced polyester (GRP) terminal chamber.                  Toughened Wellglass.</p>
Weights:	<p>Exd: 6.6kg. xde: 7.6kg. Add 8.4kg for stainless steel version.</p>
Finish:	<p>Red epoxy paint finish as standard or to customer's specification.</p>

**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.**

Unit Type:	<b>XB4</b>
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<b>(A) Certification:</b>	<b>Certification</b>	<b>Code</b>
	ATEX	B
	IECEX	J
	UL	UL*
	UL (ordinary locations)	UW*
	GOST 'R' Exd	G†
	Inmetro	M
	*UL - available alloy or stainless steel. - 24v d.c., 110v a.c., - 240v a.c. only. † - VNIIPO approved as standard.	
<b>(B) Voltage:</b>	<b>Voltage</b>	<b>Code</b>
	24VDC	B
	48VDC	C
	110VDC	D
	110VAC	E
	120VAC	F
	220VAC	G
	240VAC	H
254VAC	J	
<b>(C) Terminals:</b>	<b>Terminals &amp; Type</b>	<b>Code</b>
	6 x 6mm <sup>2</sup> (Exe)	6E*
	8 x 6mm <sup>2</sup> (Exd)	8D
*UL and GOST not available Exe.		
<b>(D) Cable Entries:</b>	<b>Entries</b>	<b>Code</b>
	20mm	*B
	25mm	*C
	1/2" NPT	*D
	3/4" NPT	*E
*prefix entry size (see diagram above) with entry position code.		
<b>(E) Flash Rate:</b>	<b>Flash Rate</b>	<b>Code</b>
	60/min.	06
	120/min.	12
	240/min.	24
<b>(F) Initiate Options:</b>	<b>Initiate Options (XB4 only)</b>	<b>Code</b>
	None	A
	Telephone	B
	Telephone & 2nd Beacon/Sounder *Relay	C
	(12V–48VAC/DC) *Relay	D
	(12V–48VAC/DC) & 2nd Beacon/ Sounder *Specify AC/DC voltage	E

## 21 JOULE XENON BEACONS Exd(e), Weatherproof XB4 Range

<b>(G) Lens Guard:</b>	<b>Lens Guard</b>	<b>Code</b>
	None	N
	Yes	Y
<b>(H) Lens Colour:</b>	<b>Colour</b>	<b>Code</b>
	Red	R
	Blue	B
	Green	G
	Yellow	Y
	Amber	A
	Clear	C
<b>(I) Tag/Duty Label:</b>	<b>Duty Label</b>	<b>Code</b>
	None	N
	Yes	Y*
	(Please specify)	
<b>(J) Material:</b>	<b>Material</b>	<b>Code</b>
	Stainless steel	0
	Alloy	1
<b>(K) Finish:</b>	<b>Finish</b>	<b>Code</b>
	Red	R
	Blue	B
	Yellow	Y
	Grey	G
	White	W
	Other – specify	S

### ORDER CODE:

	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)
<b>XB4</b>											