

21 JOULE XENON BEACONS

EExd, Weatherproof

XB12 Range



Introduction

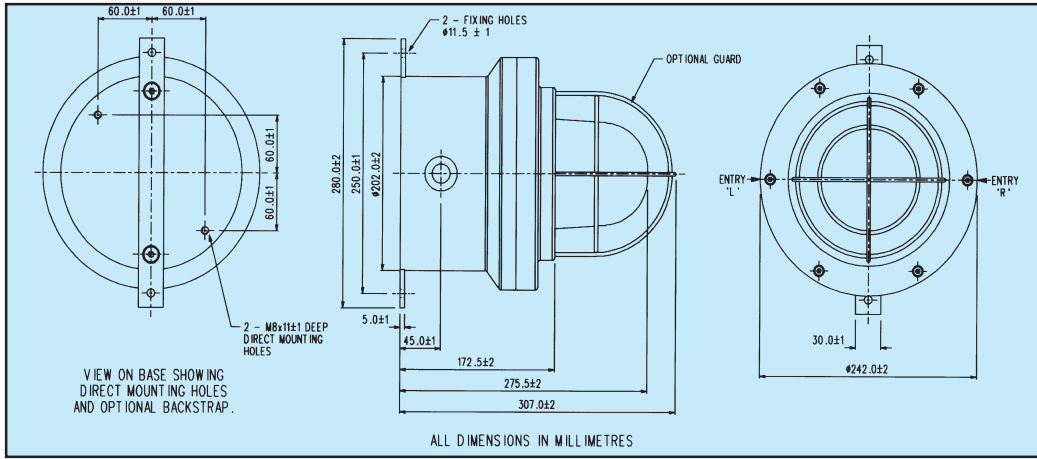
These high output certified beacons have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance is required.

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°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.

MEDC



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 6.0mm².

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

XB12

| Certification | Code |
|-------------------------|------|
| Uncertified | W |
| ATEX | B |
| UL | UL |
| UL (ordinary locations) | UW |
| UL Marine | UM |
| GOST 'R' | G |
| GOST 'K' | K |
| Chinese (CQST) | Q |
| Inmetro | DM |

| Guard | Code |
|-------|------|
| None | N |
| Yes | Y |

| Label | Code |
|------------------|------|
| None | N |
| Yes | Y |
| (Please specify) | |

| Options | Code |
|---------------|------|
| *Telephone | T |
| Blanking Plug | P |
| None | N |

*Telephone option not available in UL version.

| Colour | Code |
|--------|------|
| Red | R |
| Blue | B |
| Green | G |
| Amber | A |
| Yellow | Y |
| Clear | C |

| Unit Fixing | Code |
|-----------------|------|
| Direct Mounting | D |
| Backstrap | B |

| Continuity* | Code |
|-------------|------|
| None | N |
| Yes | Y |

*Earth continuity not available in UL version.

| Finish | Code |
|----------------|------|
| Natural Black | N |
| Red | R |
| Blue | B |
| Yellow | Y |
| Grey | G |
| White | W |
| Special Finish | S |

| Voltage | Code |
|---|------|
| 24V d.c. | 024 |
| 110V a.c. | 110 |
| 240V a.c. | 240 |
| Other voltages available, please specify. | |

| Flash Rate | Code |
|--|------|
| 60/min | 06 |
| Other flash rates available, please specify. | |



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.