

10 JOULE XENON BEACONS

UL Listed Only, Weatherproof

XB16 Range



Introduction

These listed 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.

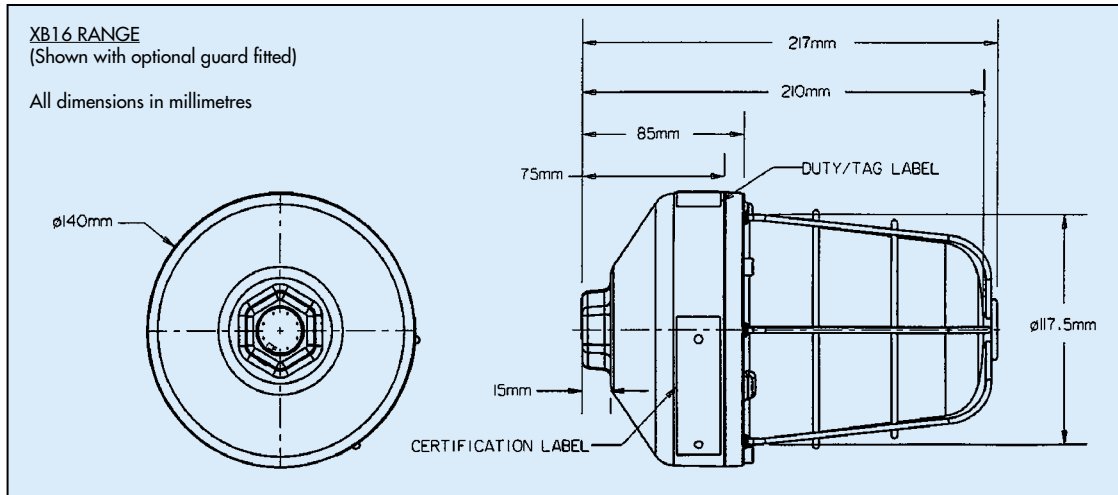
The housing is manufactured from a U.V. stable, glass reinforced polyester, with the lens manufactured from a U.V. stable polycarbonate. Stainless steel screws are used ensuring a totally corrosion-free product.

The model XB16 contains supervisory diode and four wire leads for fire alarm applications. This beacon is also available UL 1971 (ADA) listed for hearing impaired applications.

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

- ★ UL listed for USA and Canada
 - Hazardous locations for USA and Canada Class I, Div. 2, Groups A, B, C & D*.
 - Class II, Div. 2, Groups F & G.
 - UL 1971 compliant version available†.
 - Ordinary locations: Visual Signal Device
 - 'T' Rating model dependent. Contact sales office for information.
 - ★ IP66 & 67.
 - ★ Certified temperature -55°C to $+70^{\circ}\text{C}$.
 - ★ Pipe mount with $\frac{3}{4}$ " NPT entry.
 - ★ Corrosion-free GRP enclosure.
 - ★ 580,000 peak candlepower.
 - ★ Polycarbonate lens, various colors available†
 - ★ 4 wire diode monitored board.
 - ★ Optional relay initiate.
 - ★ Optional lens guard.
- *Conforms to UL standard or regulated voltage.
†UL 1971 version available with clear lens only.

MEDC



Specification

| | |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certification: | UL Listed for USA and Canada: – Hazardous locations for USA and Canada: UL1604. Class I, Div. 2, Groups A, B, C & D. Class II, Div. 2, Groups F & G. UL listing No. E251185. – Ordinary locations: Visual Signal Device: UL1638. UL listing No. E251185. – Hazardous locations for hearing impaired: UL1971. UL listing No. E251185. |
| Material: | Body: Glass reinforced polyester. Lens: U.V. stable polycarbonate. Lens screws: stainless steel 316. |
| Finish: | Natural black or painted to customer specification. |
| Voltage: | 24, 48V d.c. 110, 120, 230, 240, 254V a.c. Conforms to UL regulated voltage output (24Vdc, 120Vac, 240Vac). |
| Certified Temperature: | -55°C to +70°C |
| Tube Energy: | 10 Joules. |
| Tube life: | >1 x 10 ⁶ flashes. |

| | | | | | | | |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------|------|-------|-------|--------|------|------|
| Weight: | 1.0 Kg | | | | | | |
| Ingress Protection: | IP66 & IP67. | | | | | | |
| Entries: | Standard 1 x 3/4" NPT pipe mount. (Contact MEDC if 1/2" NPT is required). | | | | | | |
| Terminals: | 8 x 2.5mm ² . | | | | | | |
| Labels: | Tag/Duty label option. | | | | | | |
| Electrical ratings: | | | | | | | |
| | DC | AC | | | | | |
| Voltage | 24 | 48 | 110 | 120 | 230 | 240 | 254 |
| Current | 0.89 | 0.30 | 0.38 | 0.38 | 0.22 | 0.22 | 0.18 |
| Effective candlepower (Cd): | 285 at 60 f.p.m. | | | | | | |
| Peak candlepower: | 580,000 (Peak candlepower is the maximum light intensity generated by a flashing light during its light pulse) | | | | | | |
| UL 1971 On-axis output: | 15 Cd. | | | | | | |
| Multiplying factor for colored lenses: | | | | | | | |
| | Red | Blue | Amber | Green | Yellow | | |
| | 0.15 | 0.12 | 0.51 | 0.49 | 0.86 | | |
| Relay Initiate: | 24V dc relay initiate only. | | | | | | |

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.

| Model | Certification | Voltage | Flashrate | Lens Color | Guard | Options | Unit Finish | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| XB16 | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Certification</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>UL</td> <td>UL</td> </tr> <tr> <td>UL (ordinary locations)</td> <td>UW</td> </tr> <tr> <td>UL 1971</td> <td>US</td> </tr> </tbody> </table> | Certification | Code | UL | UL | UL (ordinary locations) | UW | UL 1971 | US | <table border="1"> <thead> <tr> <th>Voltage</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>24V d.c.</td> <td>024</td> </tr> <tr> <td>48V d.c.</td> <td>048</td> </tr> <tr> <td>110V a.c.</td> <td>110</td> </tr> <tr> <td>120V a.c.</td> <td>120</td> </tr> <tr> <td>230V a.c.</td> <td>230</td> </tr> <tr> <td>240V a.c.</td> <td>240</td> </tr> <tr> <td>254V a.c.</td> <td>254</td> </tr> </tbody> </table> | Voltage | Code | 24V d.c. | 024 | 48V d.c. | 048 | 110V a.c. | 110 | 120V a.c. | 120 | 230V a.c. | 230 | 240V a.c. | 240 | 254V a.c. | 254 | <table border="1"> <thead> <tr> <th>Flashrate</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>60 fpm</td> <td>60</td> </tr> <tr> <td>80 fpm</td> <td>80</td> </tr> <tr> <td>120 fpm</td> <td>120</td> </tr> </tbody> </table> | Flashrate | Code | 60 fpm | 60 | 80 fpm | 80 | 120 fpm | 120 | <table border="1"> <thead> <tr> <th>Color</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Red</td> <td>R</td> </tr> <tr> <td>Blue</td> <td>B</td> </tr> <tr> <td>Green</td> <td>G</td> </tr> <tr> <td>Amber</td> <td>A</td> </tr> <tr> <td>Yellow</td> <td>Y</td> </tr> <tr> <td>Clear</td> <td>C*</td> </tr> </tbody> </table> <p>*UL 1971 version available with clear lens only</p> | Color | Code | Red | R | Blue | B | Green | G | Amber | A | Yellow | Y | Clear | C* | <table border="1"> <thead> <tr> <th>Guard</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Yes</td> <td>Y</td> </tr> <tr> <td>None</td> <td>N</td> </tr> </tbody> </table> | Guard | Code | Yes | Y | None | N | <table border="1"> <thead> <tr> <th>Option</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Tag label</td> <td>T</td> </tr> <tr> <td>Duty label</td> <td>D</td> </tr> <tr> <td>Relay initiate*</td> <td>R</td> </tr> <tr> <td>None</td> <td>N</td> </tr> </tbody> </table> <p>*Suitable for 24V dc supplies only.</p> | Option | Code | Tag label | T | Duty label | D | Relay initiate* | R | None | N | <table border="1"> <thead> <tr> <th>Finish</th> <th>Code</th> </tr> </thead> <tbody> <tr> <td>Natural Black</td> <td>N</td> </tr> <tr> <td>Red</td> <td>R</td> </tr> <tr> <td>Blue</td> <td>B</td> </tr> <tr> <td>Yellow</td> <td>Y</td> </tr> <tr> <td>Green</td> <td>G</td> </tr> <tr> <td>White</td> <td>W</td> </tr> <tr> <td>Special Finish</td> <td>S</td> </tr> </tbody> </table> | Finish | Code | Natural Black | N | Red | R | Blue | B | Yellow | Y | Green | G | White | W | Special Finish | S |
| Certification | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL | UL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL (ordinary locations) | UW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UL 1971 | US | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Voltage | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24V d.c. | 024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48V d.c. | 048 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 110V a.c. | 110 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120V a.c. | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 230V a.c. | 230 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 240V a.c. | 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 254V a.c. | 254 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Flashrate | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60 fpm | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 fpm | 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120 fpm | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green | G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amber | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yellow | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Clear | C* | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Guard | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yes | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| None | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Option | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tag label | T | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Duty label | D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relay initiate* | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| None | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Finish | Code | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Natural Black | N | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Red | R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Blue | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Yellow | Y | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Green | G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White | W | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Special Finish | S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



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.