HIGH INTENSITY STROBE WARNING LIGHTS
Hazardous Locations, Weatherproof
XB15 Range

Introduction

These listed strobes have been designed for use in potentially explosive atmospheres and harsh environmental conditions. The enclosures are suitable for use offshore or onshore, where lightweight combined with corrosion resistance is required.

The housings are manufactured completely from a U.V. stable, glass reinforced polyester. Stainless steel screws and mounting bracket are available ensuring a totally corrosion-free product.

The model XB15 contains a supervisory diode and four wire lead connection for fire alarm applications.

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

European and other worldwide approvals are available, refer to main section of catalog.

- UL listed for USA and Canada
  - Hazardous locations:
    - Class I, Div. 2, Groups A, B, C & D.
    - Class II, Div 2 Groups F & G.
    - Class I, Zone 1, AExd IIC T4/T5/T6.
  - Ordinary locations: Visual-Signal Device.
  - Marine Listed
- ULC Listed to Canadian Safety Standards.
- Conforms to ULC regulated a.c. power supplies.
- CSFM approved.
- ATEX approved.
- NEMA 4x and 6, IP66 & 67.
- Certified temperature: –67°F to +158°F.
  -55°C to +70°C.
- Pipe mount or direct mount enclosure.
- Corrosion-free GRP.
- 520,000 peak candlepower.
- Four wires and supervisory diode.
- Optional stainless steel backstrap.
- Various lens colors.
- Optional relay initiate.
- Optional cast or wire lens guard.
- Up to 3 x ¾” NPT entries.
- Filament version available (100W max).

See data sheet for FB15.

Cooper MEDC Ltd, Callery Road, Pinxton, Nottingham NG16 6JF, UK.
Tel: +44 (0)1773 864100 Fax: +44 (0)1773 582800
E-Mail: medc.sales@cooperindustries.com
Web: www.medc.com

Sales Enq. Fax: +44 (0)1773 582830 Sales Orders Fax: +44 (0)1773 582832
E-Mail: medc.sales@cooperindustries.com Web: www.medc.com
Specification

Certification: UL Listed for USA and Canada:
- Hazardous locations
  Class I, Div 2, Groups A, B, C & D.
  Class II, Div 2 Groups F & G.
- Ordinary locations: Visual Signal Device.
- Marine listed.
UL listing No. E187894.
ULC Listed: Listing No. CE133
CENELEC/ATEX approved.
CENELEC EN50014 & EN50018
ATEX Cert. No. Baseefa 04ATEX009X.

Material:
Body: Glass reinforced polyester.
Lens: Glass.
Backstrap: stainless steel 316.
Wire Guard (optional): Stainless steel wire.
Cast Guard (optional): Aluminium LM25M.

Finish:
Natural black or epoxy painted to customer specification.

Voltage:
24, 48V d.c.
110, 120, 230, 240, 254V a.c.

Tube Energy: 15 Joules.
Tube Life: >1 x 10^6 flashes.

Flash Rate: 60, 80, 120 fpm.

Certified:
-67°F to +104°F [-55°C to +40°C] T6.
Temperature:
-67°F to +131°F [-55°C to +55°C] T5.
-67°F to +158°F [-55°C to +70°C] T4.

Weight:
Pipe mount: 5½lb/2.6kg; Direct mount: 6½lb/3.0kg.

Ingress:
NEMA 4x & 6, IP66 & IP67.

Protection:
Entries: Supplied as 2 x ¾" NPT (direct mount) or ¾" (pipe mount) as standard.
Other options available:
Up to 3 x ½" NPT or 3 x ¾" NPT (direct mount);
½" NPT (pipe mount) – contact sales office to order.

Terminals:
Direct mount: 12 x 14AWG.
Pipe mount: 8 x 14AWG.

Relay Initiate: Available on all versions – operates with 24V d.c. initiate supplies only.

Labels: Tag/Duty label option.

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.

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. Standard products available for immediate shipping – contact sales office for details.

<table>
<thead>
<tr>
<th>Model</th>
<th>Certification</th>
<th>Voltage</th>
<th>Unit</th>
<th>Fixing</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>XB15</td>
<td>UL</td>
<td>24V d.c.</td>
<td>-</td>
<td>None</td>
<td>Natural Black</td>
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<tr>
<td></td>
<td>(ordinary UW location)</td>
<td>48V d.c.</td>
<td>Wire</td>
<td>Tag label†</td>
<td>R</td>
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<tr>
<td></td>
<td>UL Marine UM</td>
<td>110V a.c.</td>
<td></td>
<td>Duty label†</td>
<td>B</td>
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<tr>
<td></td>
<td>ULC ULC</td>
<td>120V a.c.</td>
<td></td>
<td>Relay initiate*</td>
<td>Green</td>
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<tr>
<td></td>
<td></td>
<td>230V a.c.</td>
<td></td>
<td>Blanking Plug</td>
<td>Amber</td>
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<tr>
<td></td>
<td></td>
<td>240V a.c.</td>
<td></td>
<td></td>
<td>Yellow</td>
</tr>
<tr>
<td></td>
<td></td>
<td>254V a.c.</td>
<td></td>
<td></td>
<td>Clear</td>
</tr>
</tbody>
</table>

*254V a.c. not available with ULC.
*Also conforms to ULC regulated power supplies

Multiplying Factor for Colored Lenses:

<table>
<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>

Electrical Ratings: UL/UW/UM versions

<table>
<thead>
<tr>
<th>Voltage Code</th>
<th>a.c.</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>24</td>
<td>0.99</td>
<td>0.73</td>
</tr>
<tr>
<td>48</td>
<td>0.73</td>
<td>0.4</td>
</tr>
<tr>
<td>110</td>
<td>0.4</td>
<td>0.2</td>
</tr>
<tr>
<td>120</td>
<td>0.2</td>
<td>0.17</td>
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Multiplying Factor for Colored Lenses:

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>0.15</td>
</tr>
<tr>
<td>Blue</td>
<td>0.12</td>
</tr>
<tr>
<td>Green</td>
<td>0.51</td>
</tr>
<tr>
<td>Yellow</td>
<td>0.49</td>
</tr>
<tr>
<td>Amber</td>
<td>0.86</td>
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</tbody>
</table>

Light output tested to ULC-S526-07 requirements

Multiplying Factor for Colored Lenses: ULC versions

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>0.15</td>
</tr>
<tr>
<td>Blue</td>
<td>0.27</td>
</tr>
<tr>
<td>Green</td>
<td>0.36</td>
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<tr>
<td>Yellow</td>
<td>0.24</td>
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<tr>
<td>Amber</td>
<td>0.65</td>
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</tbody>
</table>

*Suitable for 24V d.c. initiate supplies only.
†ULC maximum of one label