

# HIGH INTENSITY STROBE WARNING LIGHTS

## Hazardous Locations, Weatherproof

### XB15 Range



XB15  
Direct Mount  
(with backstrap and  
wire guard)



XB15 Pipe Mount (with cast guard)

**Now ULC Listed**

## 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 light weight 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 3/4" NPT entries.
- ★ Filament version available (100W max).  
See data sheet for FB15.

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# 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
  - Class 1, Zone 1, AExd IIC T4/T5/T6.

UL listing No. E187894.

- Ordinary locations: Visual Signal Device.

- Marine listed

UL listing No. S8128

ULC Listed: Listing No. CE133

CENELEC/ATEX approved.

CENELEC EN50014 & EN50018

ATEX Cert. No. Baseefa 04ATEX0009X.

**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<sup>6</sup> flashes.

**Flash Rate:** 60, 80, 120 fpm.

**Certified Temperature:** -67°F to +104°F (-55°C to +40°C) T6.

-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: 5¾lb/2.6kg; Direct mount: 6½lb/3.0kg.

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

**Entries:** Supplied as 2 x ¾" NPT (direct mount) or ¾" (pipe mount) as standard.  
 Other options available:

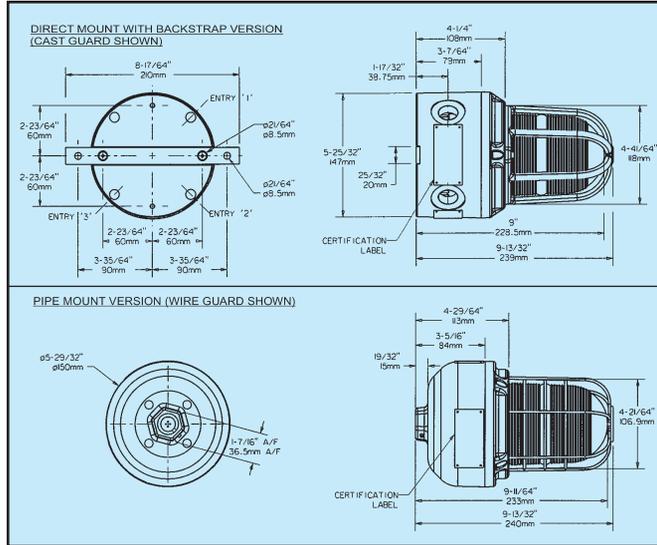
Up to 3 x ½" NPT or 3 x ¾" NPT (direct mount);  
 ½" NPT (pipe mount) – contact sales office to order.

**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.



Electrical Ratings: UL/UW/UM versions

Voltage	d.c.		a.c.				
	24	48	110	120	230	240	254
Current (A)	0.99	0.73	0.4	0.4	0.2	0.2	0.17
Effective Candlepower – 330 (Effective candlepower is the intensity that would appear to an observer if the light was burning steadily)							

Multiplying Factor for Colored Lenses: UL/UW/UM versions

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

Electrical Ratings: ULC versions

Voltage	d.c.		Regulated a.c.	
	24	48	120	240
Current (A)	1.24	0.76	0.4	0.2
Light Output (Cd) No Guard	60	50	30	30

Light output tested to ULC-S526-07 requirements

Multiplying Factor for Colored Lenses: ULC versions

Red	Blue	Amber	Green	Yellow
0.2	0.27	0.36	0.24	0.65

# 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.**

Model  Certification  Voltage  Lens Flashrate  Lens Color  Unit Guard  Fixing  Unit Options  Finish

Certification	Code	Voltage	Code	Fpm	Code	Guard	Code	Option	Code
UL	UL	24V d.c.	024	60	06	None	N	None	N
UL (ordinary location)	UW	48V d.c.	048	80	08	Cast	C	Tag label†	T
UL Marine	UM	110V a.c.	110	120	12	Wire	W	Duty label†	D
ULC	UC*	120V a.c.	120*					Relay initiate*	R
		230V a.c.	230					Blanking Plug	P
		240V a.c.	240*						
		254V a.c.	254						

\*254V a.c not available with ULC.

To order ATEX approved version, see European data sheet.

\*Also conforms to ULC regulated power supplies

Color	Code
Red	R
Blue	B
Green	G
Amber	A
Yellow	Y
Clear	C

Unit Fixing	Code
Pipe mount	P*
Direct mount	D*
Direct w/backstrap	B*

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

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

\*Contact MEDC if ½" NPT is required.



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.