

Strobe - 285 Candela, Hazardous Location XB16



Description:

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 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 strobe is also available UL 1971 (ADA) listed for hearing impaired applications.

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

Features*:

- ★ 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
- ★ NEMA 4x & 6, IP66 & 67
- ★ Certified temperature -67°F to +158°F (-55°C to +70°C)
- ★ Pipe mount with 3/4" NPT entry
- ★ Corrosion-free GRP enclosure
- ★ 285 candela
- ★ Polycarbonate lens, various colors available†
- ★ 4 wire diode monitored board
- ★ Optional relay initiate
- ★ Optional lens guard

*Depends on version

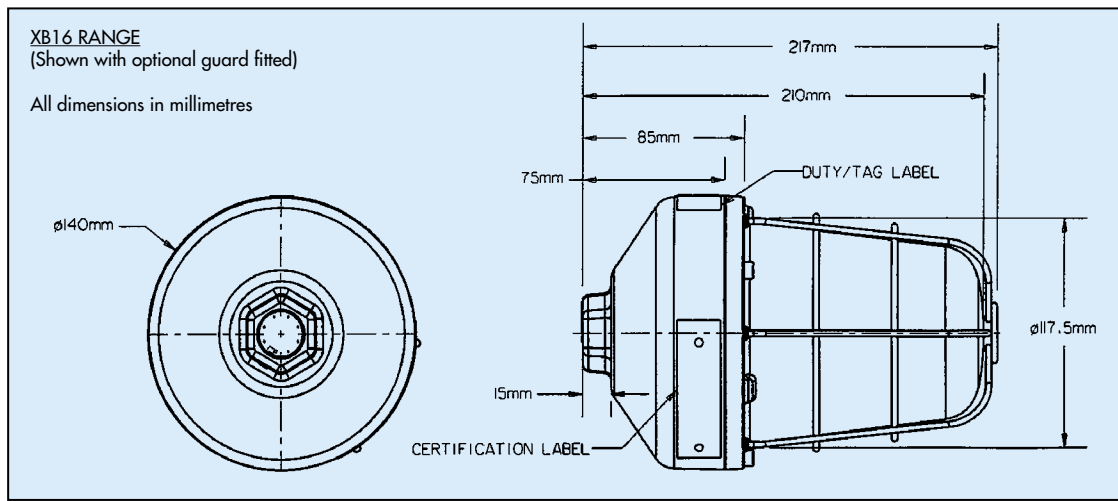
†UL 1971 version available with clear lens only.

Architects and Engineers Specifications

Strobes for hazardous locations and harsh environments shall be UL and cUL listed for Class I, Division 2, Groups A,B,C&D applications and shall be listed under UL Standard 1638 for Indoor/Outdoor use. The strobes shall be available with UL 1971 Listing (Standard for Safety Signaling Devices for Hearing Impaired). They shall be constructed of lightweight, UV stable glass reinforced polyester, shall be corrosion resistant, and shall meet NEMA 4x, NEMA 6, IP 66 and IP 67 environmental requirements over a temperature range of -67°F to 158°F (-55°C to 70°C).

The strobes shall be rated to flash at 1 Hz with 285 candela per flash. Rated current draw shall not exceed 890 mA at 24 vdc. The strobes shall be pipe mounted and shall be capable of mounting in any direction.

Note: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock standard terms and conditions.



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:	-67°F to +158°F (-55°C to +70°C)
Tube Energy:	10 Joules.
Tube life:	>1 x 10 ⁶ flashes.
Weight:	2.2lb./1.0 Kg.

Ingress Protection:	NEMA 4x & 6, IP66 & IP67.
Entries:	Standard 1 x 3/4" NPT pipe mount. (Contact Sales Office if 1/2" NPT is required).
Terminals:	8 x 14AWG
Labels:	Tag/Duty label option.

	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.

Configuration Options:

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	Other Options	Finish
XB16	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Certification	Code
UL	UL
UL (ordinary locations)	UW
UL 1971	US

Voltage	Code
24 VDC	024
48 VDC	048
110 VAC	110
120 VAC	120
230 VAC	230
240 VAC	240
254 VAC	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*

*UL 1971 version available with clear lens only

Option	Code
Tag label	T
Duty label	D
Relay initiate*	R
None	N

*Suitable for 24V dc supplies only.

Guard	Code
Yes	Y
None	N

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

Standard Models

Series	Model Number	Order Code	Description
XB16	XB16UL02460RYNN	109202-001	Strobe, Red lens, 285 candela, 24 VDC, black finish
XB16	XB16US04860CYNR	109202-002	Strobe, Clear lens, 285 candela, 24 VDC, black finish

COOPER Wheelock

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WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
3 YEAR WARRANTY
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XB16 10/06