

## Strobe, 29 Candela, Explosion Proof SM87



### Description:

These certified strobes have been designed for use in harsh environmental conditions. The marine grade alloy enclosures are suitable for use offshore or onshore, where light weight combined with corrosion resistance and strength is required. Units can be painted to customer specification and fitted with identification labels.

A high temperature unit is available.

### Architects and Engineers Specifications

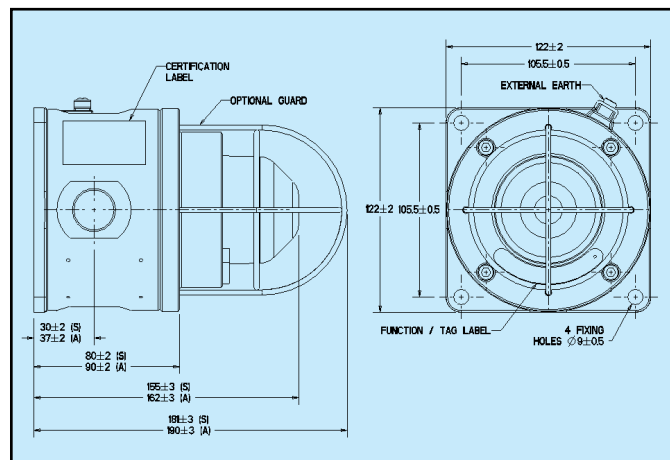
Explosion-proof strobes shall be UL and cUL Listed for Class I, Division 1, Groups C&D, and Class I, Zone 1 hazardous locations. The strobes shall be constructed of marine grade alloy with an epoxy paint finish and shall meet NEMA 4x, NEMA6, IP 66 and IP 67 environmental requirements over a temperature range of -67°F to 158°F (-55°C to 70°C) in hazardous and harsh environments.

The strobe shall be rated to flash at 1 Hz with 5 joules per flash. Rated current draw shall not exceed 320 mA at 24 vdc. The strobe shall be capable of direct surface 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.

### Features\*:

- **UL Listed for USA and Canada:**
    - Class I, Div. 1, Groups C & D
    - Class I, Zone 1 AExd IIB
  - **CSA Certified**
  - **cUL Listed**
  - **ATEX Approved**
  - **NEMA 4x &6, IP66 and IP67**
  - **Certified temperature -67°F to +158°F (-55°C to +70°C)**
  - **High temperature unit (up to 185°F/85°C) available**
  - **Various lens colors**
  - **Optional lens guard**
  - **4 wire monitored connection**
  - **24 & 48 VDC**
  - **110, 120, 240 & 254 VAC**
  - **Xenon**
  - **29 Candela with clear lens**
- \*Depending on version



### Specification

Voltage	DC		AC 50/60 Hz			
	24	48	110	120	240	254
SM87 HXB XBT						
Tube Energy (Joules)	5	5	6	7	7	8
Peak Current Consumption (mA)	320	170	250	275	135	150
Effective Intensity (Cd)	29	29	32	39	39	44
Peak Intensity	22213	22213	25061	30187	30187	34174
Power Consumption (Watts)	7.2	7.6	25	27	27	35

### FOR COLORED LENSES

Color	Red	Blue	Amber	Green	Yellow
Multiplying Factor	0.15	0.12	0.51	0.49	0.86

**Certification:** UL Listed fro USA and Canada for Class I, Div I. Groups C & D and Class I, Zone 1. Listing No. E187894.  
 CSA Certification to C22.2 Nos. 0, 0.4, 0.5, 9, 30-M 1986, 94-M91, 137-M 1981, Class 1, Div 1, Group 0, Enclosure 3/4, Cert. No. 96406  
 ATEX approved: EN50014, EN50018, EN50019.  
 Cert. No. Baseefa 03ATEX0222, EExd IIC T6

**Weight:** 4.4lb./2.0kg. approx.

**Material:** LM25 TF Marine Grade Alloy, Finish: Epoxy paint as standard or to customer's specification  
 Lens - Toughened Glass

**Certified Temperature:** Standard unit SM87 HXB: -67°F to +158°F (-55°C to +70°C).  
 High temperature unit: -67°F to +185°F (-55°C to +85°C)

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

**Terminals:** 4 off suitable for up to 14AWG conductor size

**Labels:** Duty & Tag Labels optional

### 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	Lens/LEDcolor	Lens Guard	Entries	Tag/Duty Label	Other Options	Finish
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Type	Code	CertificationCode	Color	Code	Entries	Code	Option	Code
Xenon (alloy)	SM87HXBA	UL	Red	R	1/2" NPT	3	None	N
Xenon High Temp. (alloy)	SM87XBTA*	CSA	Blue	B	3/4" NPT	4	Yes*	Y
			Green	G	Top	*T	*(Please specify)	
			Amber	A	Bottom	*B		
			Yellow	Y	RHS	*R		
			Clear	C	LHS	*L		

\*XBT only available 24V d.c.

Voltage	Code
24V d.c.	024
48V d.c.	048
110V a.c.	110
120V a.c.	120
240V a.c.	240
254V a.c.	254

Guard	Code
None	N
Yes	Y

Label	Code
None	N
Yes*	Y
*(Please specify)	

Finish	Code
Red	R
Blue	B
Yellow	Y
Yellow/Black Stripe	X
Grey	G
White	W
Special Finish	*S

\*Please specify

### Standard Models

Series	Model Number	Order Code	Description
SM87	SM87HXBAUL024RN4L4RNNR	109200-001	Strobe, Red Lens, 29 Joules, 24 VDC, Red finish
SM87	SM87HXBAUL024CN4L4RNNR	109200-002	Strobe, Clear Lens, 29 Joules, 24 VDC, Red finish
SM87	SM87HXBAUL110AN3R3LNNR	109200-003	Strobe, Amber Lens, 29 Joules, 110 VAC, Red finish
SM87	SM87HXBAUL110RN3R3LNNR	109200-004	Strobe, Red Lens, 29 Joules, 110 VAC, Red finish



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION  
 3 YEAR WARRANTY  
 SM87 02/08



**NJ Location**  
 273 Branchport Ave.  
 Long Branch, NJ 07740  
 P: 800-631-2148  
 F: 732-222-8707  
 www.coopernotification.com

**FL Location**  
 7565 Commerce Ct.  
 Sarasota, FL 34243  
 P: 941-487-2300  
 F: 941-487-2389

**VA Location**  
 P: 877-459-7726  
 F: 703-294-6560