SM87HXB 5 joule xenon strobe range

UL hazardous & ordinary locations

Overview

These certified strobes have been designed for use in harsh environmental conditions.

The stainless steel or marine grade alloy enclosures are suitable for use offshore or onshore, where lightweight 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 which is ideal for harsh environments.

European, Russian, Chinese and other worldwide approvals are available, refer to main section of catalogue.

Features

- UL listed for USA and Canada
    - Class I, Div. 1, Groups C & D
    - Class I, Zone 1, AExd IIB
- CSA certified
- ATEX approved
- Xenon
- IP66 & 67
- Certified temperature:
    - –67°F to +158°F
    - –55°C to +70°C
- High temperature unit (up to 185°F/85°C) available
- 4 wire monitored connection
- 24 & 48V d.c
- 110, 120, 240 & 254V a.c
- Various lens colours
- Optional lens guard

c(UL)us CSA ⟨Ex⟩ **ATEX** *IECEx*

Certifications

UL	Listing No. E187894. Class I, Div. 1. Groups C & D and Class I, Zone 1
CSA	Certified to C22.2, Nos. 0, 0.4, 0.5, 9, 30-M 1986, 94-M91, 137-M 1981 Class 1, Div 1, Group D, Type 4, Cert. No. 96406

Specifications

Material	Grade 316 ANC4B stainless steel or LM25 TF marine grade alloy Lens – toughened glass	
Finish	Epoxy paint finish as standard or to customer specification	
Weight	Alloy	4.4lb/2.0kg. approx
	Stainless steel	8.4lb/3.8kg
Certified temp	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	IP66 & 67	
Entries	Up to 4 off ½″ or ¾″ NPT	
Terminals	6 off suitable for up to 14AWG conductor size	
Labels	Duty/tag labels optional	

Electrical ratings

	d.c.		a.c. 50/60Hz			
Voltage	24	48	110	120	240	254
Tube energy (Joules)	5	5	6	7	7	8
Peak current consumption (mA)	393	175	250	275	135	153
Effective intensity (Cd)	29	29	32	39	39	44
Peak intensity (Cd)	22213	22213	25061	30187	30187	34174

NOTE: The above figures (Cd) are for a clear lens @ 1Hz flash rate

Multiplying factor for coloured lenses

Red	Blue	Amber	Green	Yellow
0.15	0.12	0.51	0.49	0.86

The photometric data given above has been verified by BSI. Reports are available if required

General arrangement drawing (all dimensions in inches)
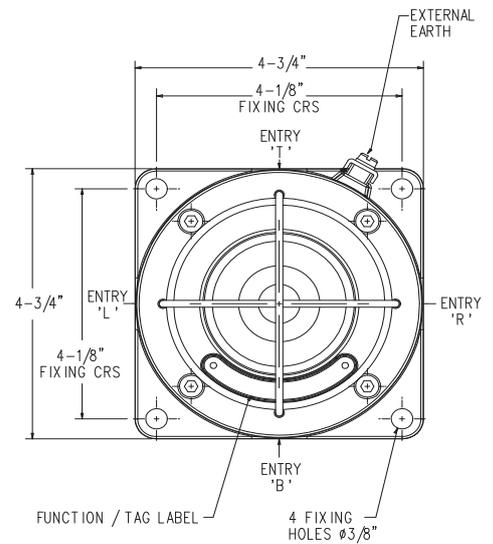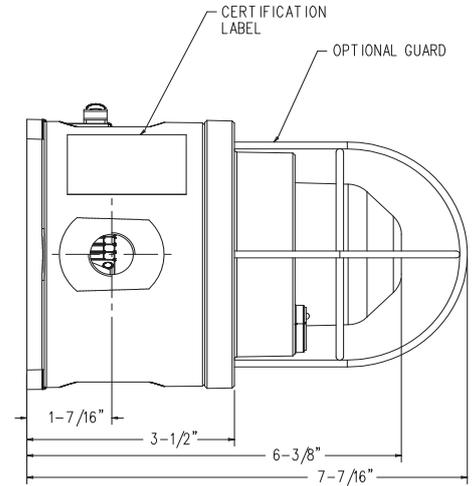
Ordering requirements

The following code is designed to help in 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 colour	Guard	Entries	Label	Options	Finish
SM87HXB							N	

Model	Code
Xenon (stainless steel)	SM87HXBS*
Xenon strobe, alloy	SM87HXBA
Xenon strobe, high temperature, alloy	SM87XBTA

SM87 XBTA only available UL listed and 24V d.c.
*Not available UL listed

To order ATEX approved version, see European datasheet

Certification	Code
UL	UL
CSA	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

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

Guard	Code
None	N
Yes	Y

Entries	Code
½″ NPT	3
¾″ NPT	4
Top	*T
Bottom	*B
RHS	*R
LHS	*L

*Prefix position with entry size code

Label	Code
None	N
Yes	Y*

*Please specify wording

Options	Code
None	N

Finish	Code
Natural black	N
Red	R
Blue	B
Yellow	Y
Yellow/black stripes	X
Gray	G
White	W
Special	S*

*Please specify