

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



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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

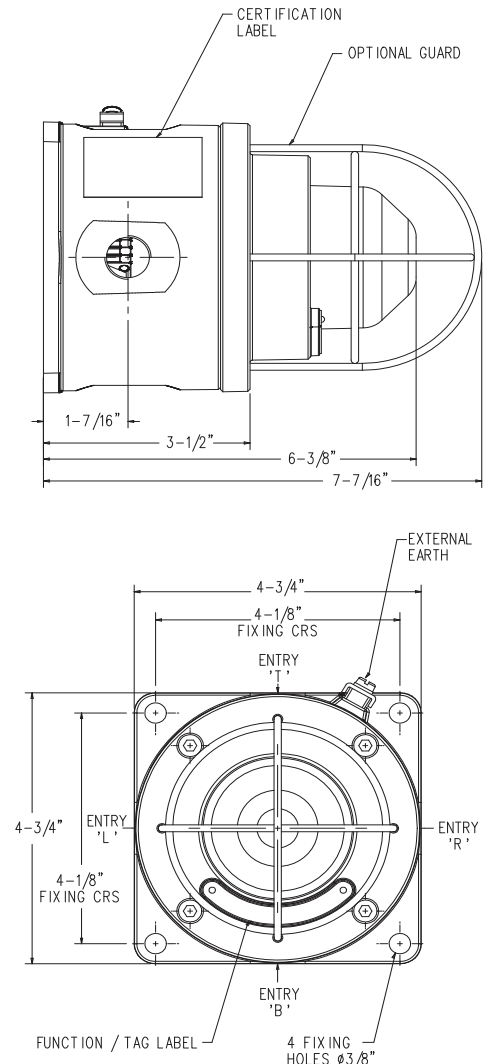
NOTE: The above figures (Cd) are for a clear lens @ 1Hz flash rate

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 Xenon (stainless steel) SM87HXS* Xenon strobe, alloy SM87HXBA Xenon strobe, high temperature, alloy SM87XBTA <small>SM87 XBTA only available UL listed and 24V d.c. *Not available UL listed</small>	Voltage 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 None N Yes Y	Label None N Yes Y* <small>*Please specify wording</small>	Finish Natural black N Red R Blue B Yellow Y Yellow/black stripes X Gray G White W Special S* <small>*Please specify</small>				
Certification UL CSA	Lens colour Red R Blue B Green G Amber A Yellow Y Clear C	Entries ½" NPT 3 ¾" NPT 4 Top *T Bottom *B RHS *R LHS *L <small>*Prefix position with entry size code</small>	Options None N					

To order ATEX approved version, see European datasheet



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