

Xenon Strobe Beacon

Alarm unit Product datasheet

Features

- EN54-23 VAD fire beacon – CPR compliant
- UL1638 private mode fire alarm use
- UL1638 emergency warning mode use
- UL1638 general signaling use
- CAN/ULC-S526 fire alarm use
- Automatic synchronisation
- Continuously rated
- Dual M20 or 1/2"NPT clearance cable entries
- Duplicate pluggable cable terminations – Class A
- Ingress protection IP66/IP67 Type 4/4X/13/3R
- 3 user selectable flash rates
- Diode polarized for use in supervised circuits

Description

The Xenon Strobe Beacon is a compact, robust 5 Joule Xenon strobe beacon ideal for all signalling applications including fire, security and process control. UL/cUL approved and CPR compliant – tested to UL1638 & EN54-23. SIL1 compliant.

It is automatically synchronised with an effective light output of 200 cd and features a fire retardant, UVs table IP66/IP67 Type 4/4X/13/3R enclosure that makes the unit suitable for all environments.

The unit is available with a choice of mounting options and seven lens colours. It is SIL1 & SIL2 Route 2H compliant to IEC61508 (2010) as standard.

The unit is reliable in operation and robust design.



Approvals

- UL/cUL/ULC – File ref: E216937
- CSFM listing: 7300-2279:0510
- VdS CPR: (EN54-23) 0786-CPD-21247
- VdS: G211077
- EAC CU TR 043/2017: B.00291/21
- EAC: RU D-GB.GA05.B.12595-20
- RMRS Marine: No. 19.00193.278
- SIL1 & SIL2 compliant to IEC61508 (2010)
- CE, UKCA

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Specification

Energy:	5 Joules(5Ws)
Flash rate:	1Hz (60 fpm) DC units: 1.5Hz (90 fpm) & Double strike
Peak Candela:	500,000 cd – calculated from energy (J)
Effective cd:	250 cd – calculated from energy (J)
Peak Candela:	86,935 cd* – measured ref. to I.E.S.
Effective cd:	200 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Tube life:	Emissions may reduce to 70% after 8 million flashes
Safety Integrity Level:	SIL1 and SIL2 Route 2H IEC61508 (2010)
Ingress protection:	IP66/IP67 Type 4/4X/13/3R
Enclosure material:	High impact UL94 V0 & 5VA FR PC
Enclosure colour:	Red (RAL3000), Grey (RAL7038) & White
Lens colour filter:	Field replaceable UV stable PC
Cable entries:	2 x M20, 1/2"NPT clearance cable entries with blanking plugs
Terminals:	0.5 – 2.5mm ² (20-14 AWG)
Line monitoring:	Diode polarized for use in supervised circuits
Operating:	-40° to +55°C [-40° to +151°F]
Storage:	-40 to +70°C [-40° to +158°F]
Relative humidity:	95% at 20°C [68°F]
Vibration test:	35Hz for a duration 4Hr (UL1638)
Jarring test:	3ft/lb Energy (UL1638)
Impact test:	3x 5lb (UL1638)
MTBF DC:	234.16 years / 2,051,282 hours – MIL 217
MTBF AC:	265.17 years / 2,322,880 hours – MIL 217
Weight:	0.20kg / 0.44lbs

EN54-23

Information:

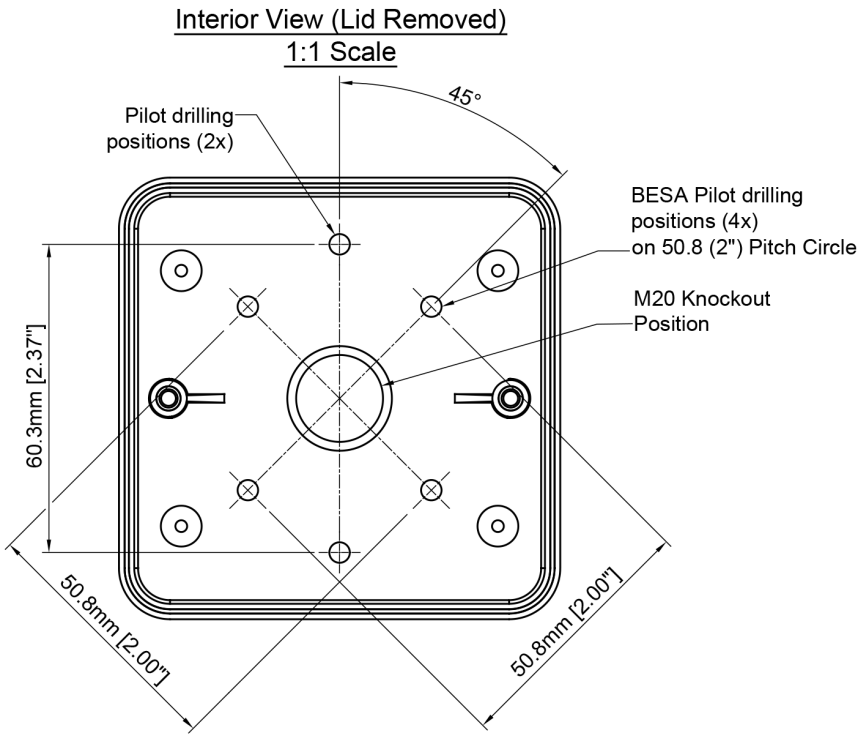
Unit:	Cat. C [Ceiling]	Cat. W [Wall]	Cat. O [Open]	Power
L101X 24Vdc Clear	C-96.8 V=326.9m ³	W-2.4-4.8 V=55.3m ³	O-4.8-10 V=230.4m ³	6W
L101X 24Vdc Red	C-32.6 V=15.9m ³	n/a n/a	O-1.9-3.6 V=13.0m ³	6W
L101X 48Vdc Clear	C-97 V=346.4m ³	W-2.5-5 V=62.5m ³	O-5-10 V=250.0m ³	8.4W
L101X 48Vdc Red	C-33 V=21.2m ³	n/a n/a	O-2-4 V=16.0m ³	8.4W

Part number	Description
116-4340-006.0201	Xenon Strobe Beacon 24 VDC/300 mA Red
116-4340-006.0202	Xenon Strobe Beacon 24 VDC/300 mA Orange
116-4340-006.0203	Xenon Strobe Beacon 24 VDC/300 mA Clear
116-4340-006.0204	Xenon Strobe Beacon 24 VDC/300 mA Green
116-4340-006.0205	Xenon Strobe Beacon 24 VDC/300 mA Blue

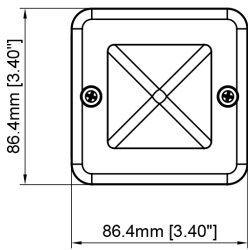
Back box/cable entries: [e]	B M S	Back box without mounting lugs – 1 x rear 20mm entry Back box with mounting lugs – 2 x M20/1/2"NPT clearance Back box without mounting lugs – 2 x M20, 1/2"NPT clearance
Stopping plug material: [m]	A X	ABS Stopping plug not present. Must be selected for B type back box
Equip. tag/Duty label: [s]	0 1 2	No equip. tag or Duty label 316 (A4) St/St Equip. tag/Duty label Metalised Polyester Equip. tag/Duty label
Product version: [v]	A	UL/cUL, VdS, CPR, RMRS, EAC, CE, UKCA – SIL1 & SIL2
Product option: [o]	1 X	Standard product Custom configuration – contact E2S
Enclosure: [x]	R G W	Red Grey White
Lens colour: [y]	A B C G M R Y	Amber Blue Clear Green Magenta Red Yellow

NOTE: EN54-23: Red & Clear lens colours
UL1638 Private mode fire: All lens colours
UL1638 Emergency mode: Clear, Amber, Green & Yellow lens colours

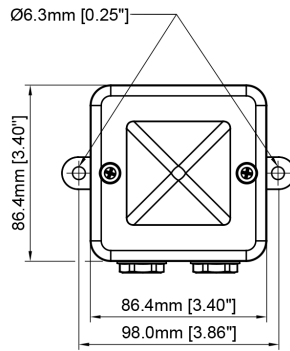
Dimensions



Backbox
(B)



Backbox
(M)



Backbox
(S)

