

STExB2X10 Xenon Strobe Beacon 10 Joule

The STExB2X10 is an explosion proof 10 Joule Xenon beacon. The robust IP66 corrosion proof 316L stainless steel enclosure ensures the STExB2X10 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The STExB2X10 beacons produce a high output Xenon flash required for effective signalling in environments with elevated levels of ambient light. The field replaceable colour filter enhances the strobe and is constructed from UV stable PC.

The stainless steel enclosure features a threaded flame path, four cable entries and a large termination area – all of which significantly reduce installation time. SIL1 compliant to IEC61508 (2010) as standard. DNV type approved for exposed locations.

Features

- Robust corrosion proof 316L stainless steel enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of three flash rates: 1Hz, 1.5Hz and double flash
- User replaceable Xenon tube mechanically secured against shock & vibration
- 316 Stainless Steel guard included as standard
- Field replaceable UV stable lens colour filter
- 316 Stainless steel stopping plugs included
- 4 x M20 cable entries
- Stainless steel fasteners
- Duplicate cable terminations (in & out for daisychain installations)
- SIL1 compliant to IEC61508 (2010)
- DNV type approved IEC 60945 & DNVGL-CG-0339

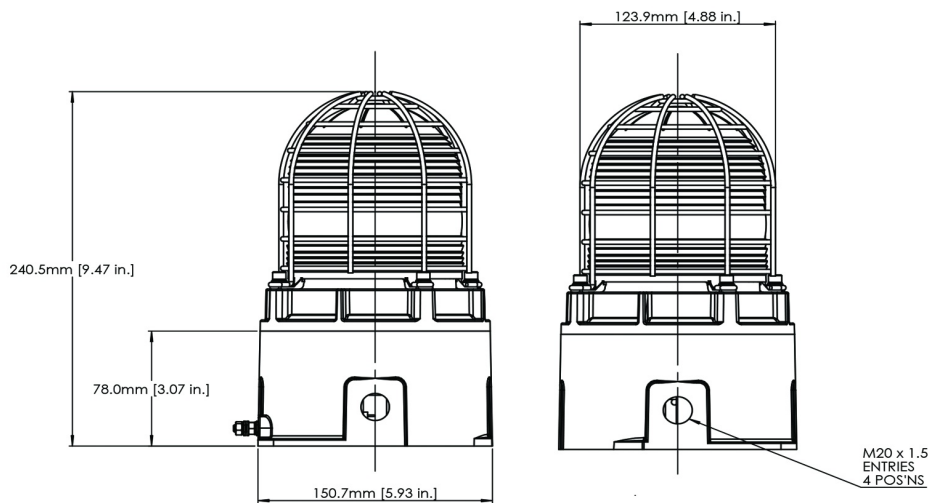
Approvals

- IECEx ULD 16.0017X
IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013
- ATEX DEMKO 16 ATEX 1466X
EN 60079-0 : 2012 + A11 : 2013
EN 60079-1 : 2014
EN 60079-31 : 2014
- TR-CU Ex EAC certificate: RU C-GB.AA71.B.00109

Coding

- Ex db IIC Gb T6 Ta -50°C to +40°C
- Ex db IIC Gb T5 Ta -50°C to +55°C
- Ex db IIC Gb T4 Ta -50°C to +70°C
- Ex tb IIIC Db T110°C Ta -50°C to +70°C





Specification

Energy:	10 Joules (10Ws)
Flash rate:	1Hz (60 fpm), 1.5Hz (90fpm) & double flash
Peak Candela:	1,000,000 cd – calculated from energy (J)
Eff. Intensity cd:	500 cd – calculated from energy (J)
Peak Candela:	110,243 cd – measured ref to I.E.S
Eff. Intensity cd:	479.39 cd – measured ref to I.E.S
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24vdc; 48Vdc
Voltages AC:	115Vac; 230Vac
Ingress protection:	EN60529: IP66
Enclosure matl:	316L Stainless Steel
Enclosure finish:	Chromated & powder coated
Colour:	RAL3000 Red
Cable entries:	4 x M20 ISO (3 x stopping plugs included as standard) Adaptors to M25, 1/2" & 3/4" NPT can be specified
Terminals:	0.5 – 2.5mm ² (20-14 AWG)
Enclosure volume:	<2 litres
Line monitoring:	Blocking diode included EOL Min. 500 Ohm 2w, or 3k3 Ohm 0.5w resistor or diode (DC versions) can be fitted
Grounding stud:	M5
Tube life:	Emissions are reduced to 70% after 5 million flashes
Temperature range:	-50° to +70°C (-58°F to +158°F)
Relative humidity:	95% – Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist
Weight:	6.0kg/13.23lbs

*All candela data is representative of performance with clear lens at optimum voltage.

Example part code: STExB2X10AC230 [e][m][s][V][x][y]
 STExB2X10AC230AS2A1R/R
 STExB2X10 10 Joule Xenon Strobe Beacon, 230V ac,
 4 x M20 entries, Stainless Steel stopping plugs,

E2S Warning Signals www.e2s.com CE approved,
 red enclosure, Red lens

Part Codes

Version:	Part code:
Product type:	STExB2
Type:	X10 Xenon Beacon – 10 Joule
Voltage:	DC024 20-28V dc DC048 42-54V dc AC115 115V ac +/-10% AC230 230V ac +/-10%
Cable Entry Type: [e]	A 4 x M20x1.5mm B 2 x 1/2" NPT – adaptors C 2 x 3/4" NPT – adaptors D 2 x M25x1.5mm – adaptors E 1 x 1/2" NPT – adaptor F 1 x 3/4" NPT – adaptor G 1 x M25x1.5mm – adaptor H 3 x 1/2" NPT – adaptors I 3 x 3/4" NPT – adaptors J 3 x M25x1.5mm – adaptors
Adaptor/Stopping plug material: [m]	B Brass N Nickel Plated S Stainless Steel (standard)
Guard material & tag: [s]	1 A2 304 Stainless Steel 2 A4 316 Stainless Steel (default) 3 A2 304 St/St with Equip. Tag 4 A4 316 St/St with Equip. Tag
Product version: [V]	A1 IECEx & ATEX Group II 2G/D Zone 1, 2, 21 & 22 M1 IECEx & ATEX Group II 2G/D Zone 1, 2, 21 & 22 & DNV Type Approval
Enclosure colour: [x]	R Red S Special (contact E2S)
Lens colour: [y]	A Amber B Blue C Clear G Green M Magenta R Red Y Yellow
Accessories:	SP65-0001-Pole Mount Bracket Kit 2" St/St A2 (304) A2 Pole Mount Bracket Kit 2" St/St A4 (316) SP65-0001-Sunshade – St/St A2 (304) A4 Sunshade – St/St A4 (316) SP65-0003- A2 SP65-0003- A4

Current Consumption

Version:	Inrush:	Voltage:	Current:
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16 Oct 2020

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