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.

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 daisy-chain installations)

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
- TRCU Ex EAC certificate: RU C G B AA 71 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 (90 fpm) & double flash

Peak Candela: 1,000,000 cd - calculated from energy (J)

Eff. Intensity cd: 500 cd - calculated from energy (J)

Peak Candela: 1,102,433 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)

Terminals: 0.5 - 2.5mm² (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 8 million flashes

Temperature range: -50° to +70°C (-58°F to +158°F)

Relative humidity: 90% at 20°C [68°F]

Weight: 6.0kg/13.23lbs

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

**Part Codes**

**Version:**

**Part code:**

**Product type:** STExB2

**Type:** X10 Xenon Beacon - 10 Joule

**Voltage:**

DC024 202.8V dc
DC048 42.54V dc
AC115 115V ac +/-10%
AC230 230V ac +/-10%

**Cable Entry Type:**

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 3/4” NPT - adaptors
I 3 x 3/4” NPT - adaptors
J 3 x M25x1.5mm - adaptors

**Adaptor/Stopping plug material:**

B Brass
N Nickel Plated
S Stainless Steel (standard)

**Guard material:**

A2 304 Stainless Steel
A4 316 Stainless Steel (default)
A2 304 St/St with Equip. Tag
A4 316 St/St with Equip. Tag (304)

**Product version:**

A1 IECEx & ATEX Group II 2G/D Zone 1, 2, 21 & 22

**Enclosure colour:**

R Red RAL3000

**Lens colour:**

A Amber
B Blue
C Clear
G Green
M Magenta
R Red
Y Yellow

**Current Consumption**

**Version:**

**Voltage:**

Current:

24V dc 202.8V dc 528mA
48V dc 42.54V dc 229mA
115V ac 50/60Hz 110/125V ac 276mA
230V ac 50/60Hz 220/240V ac 130mA

Example part code: STExB2X10AC230 [e][m][s][v][x]/[y]

STExB2X10 10 Joule Xenon Strobe Beacon, 230V ac, 4 x M20 entries, Stainless Steel stopping plugs, A4 316 SS dome guard, IECEx & ATEX approved, Red enclosure, Red lens

No liability is accepted for any consequence of the use of this document. The technical specification of this unit is subject to change without notice due to our policy of continual product development. All dimensions are approximate. This unit is sold subject to our standard conditions of sale, a copy of which is available on request.