

STExB2LD2 Explosion Proof LED Multi-function Beacon

The STExB2LD2 is an IECEx & ATEX approved explosion proof multi-function LED beacon. The robust IP66 corrosion proof 316L stainless steel enclosure ensures the STExB2LD2 is suitable for all Zone 1, 2, 21 & 22 hazardous location signalling applications.

The STExB2LD2 utilises an array of high power Cree® LED's, orientated to optimise visibility in any direction. The beacon can be configured as a steady beacon for status indicator use, with a light output of up to 174 candela. Alternatively one of the five flashing modes, with a light output of up to 338 candela, may be used for warning applications. DC voltage versions feature three remotely selectable stages enabling multiple warnings to be signalled from one device. The field replaceable colour filter enhances the light output and is constructed from UV stable PC.

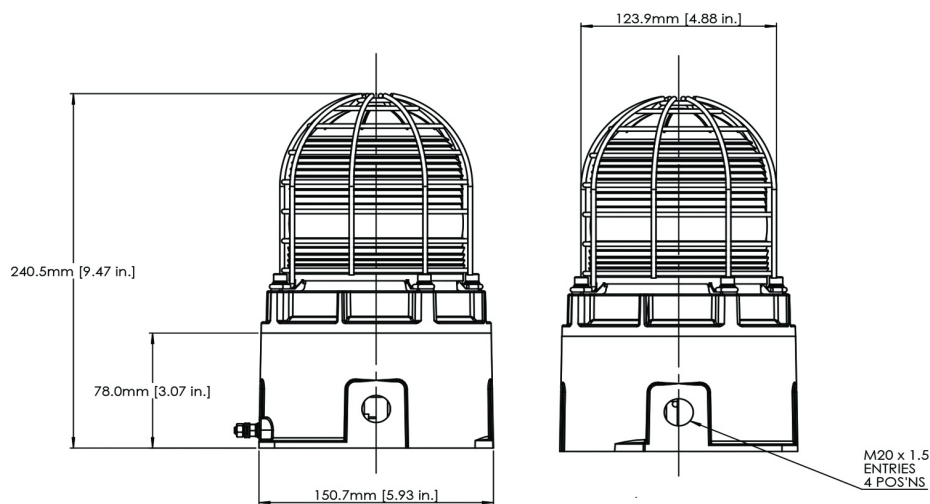
Features

- Robust corrosion proof 316L stainless steel enclosure
- Ingress protection IP66
- Automatic synchronisation on multi-beacon systems
- Choice of five flash rates: 1Hz, 1.5Hz, 2Hz, double and triple flash.
- High and low power Steady modes
- Three remotely selectable stages/channels on DC versions.
- 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
IEC 60079-0 : 2011
IEC 60079-1 : 2014
IEC 60079-31 : 2013
- ATEX
EN 60079-0 : 2012 + A1 : 2013
EN 60079-1 : 2014
EN 60079-31 : 2014





Specification

Source:	Array of 4 x High Power Cree® LED's
Modes:	1Hz flash (60 fpm) 1.5Hz flash (90 fpm) 2 Hz flash (120 fpm) Double strike flash Triple strike flash High Power Steady Low Power Steady
Eff. Intensity cd:	174 cd - High Power Steady
Eff. Intensity cd:	338 cd - 1Hz flash
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24vdc
Voltages AC:	115vac; 230vac
Ingress protection:	IP66
Enclosure matl:	316L Stainless Steel
Enclosure finish:	Chromated & powder coated
Colour:	RAL3000 Red
Cable entries:	4 x M20 ISO (3 stopping plugs inc.) 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
LED life:	60,000 hours
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

Example part code: STExB2LD2AC230 [e][m][s][v][x]/[y]
STExB2LD2AC230AS2A1R/R
STExB2LD2 LED Beacon, 230V ac,
4 x M20 entries, Stainless Steel stopping plugs,
A4 316 SS dome guard, IECEx & ATEX approved,
Red enclosure

Part Codes

Version:	Part code:
Product type:	STExB2
Type:	LD2 LED Multifunction Beacon
Voltage:	DC024 18-54V dc AC115 103.5-126.5V ac AC230 207-253V ac
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
Note:	M20 stopping plugs for unused entries supplied
Adaptor/Stopping plug material: [m]	B Brass N Nickel Plated S Stainless Steel (standard)
Guard material: [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 (304)
Product version: [v]	A1 IECEx & ATEX Group II 2G/D Zone 1, 2, 21 & 22
Enclosure colour: [x]	R Red RAL3000
Lens colour: [y]	A Amber B Blue C Clear G Green M Magenta R Red Y Yellow

Current Consumption

Version:	Voltage:	Steady High Power Current:	Steady Low Power Current:	Flashing 1Hz Current:
24V dc	18-54V dc	240mA	134mA	110mA
115V ac	103.5-126.5V ac 50/60Hz	95mA	78mA	90mA
230V ac	207-253V ac 50/60Hz	48mA	37mA	45mA

Coding

- Ex db IIC G b T5 Ta -50°C to +70°C
- Ex db IIC G b T6 Ta -50°C to +65°C
- Ex tb IIIC Db T85°C Ta -50°C to +70°C

Multi-function patterns

Stage 1: [On board]	Stage 2: [Rem ote]	Stage 3: [Rem ote]
Steady High Power	Flashing 1Hz	Triple Strike
Steady Low Power	Flashing 1Hz	Triple Strike
Flashing 1Hz	2x Flash 2Hz	Triple Strike
Flashing 1.5Hz	Flashing 2Hz	Double Strike
Flashing 2Hz	Triple Strike	Triple Strike
Double Strike	Steady High Power	Triple Strike
Triple Strike	Flashing 2Hz	Double Strike
Note: Remote second and third stage on DC units only		