STB3 Xenon & LED Tower

The STB3 is a customisable visual signal featuring a tower of 3 AlertAlight L101 type beacons.

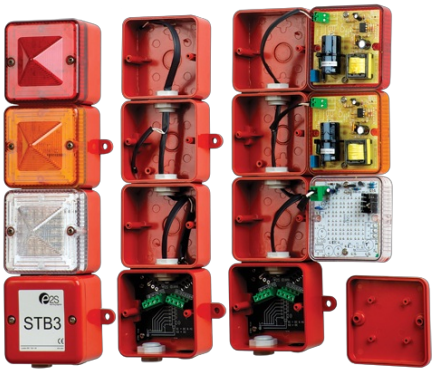
Each beacon position can contain either a Xenon or high output L.E.D. light source. The STB3 assembly features a pre-wired junction box and cable loom enabling the end user to determine beacon type and position during installation.

Features

- Multiple configurations of Xenon and LED beacons.
- Internal cable loom and termination PCB simplifies installation.
- Common negative/neutral supply minimises cabling.
- Available with red, white or grey housing.
- High output LED unit can be set to steady or flashing.
- Sealed to IP66.
- Tropicalisation available on request.
- Can be combined with Sonora SONF1 audible signal – see the STA2/3/4 data.

Approvals

- UL & cULs approved: General signalling use.
- EAC compliant: RU D-GB.AL16.B.11083



Specification

General:	
Cable entries:	2 x M20 clearance
Ingress Protection:	IP66
Housing material:	UL94V0 & 5VA FR ABS
Housing colour:	RAL3000 Red, RAL7038 Grey and White
Lens material:	PC
Fixings:	Stainless Steel
Operating temp:	-25° to +55°C [-13° to +131°F]
Storage temp:	-40° to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°]
STB3 Weight:	0.85kg/1.87lbs
L101X – Xenon:	
Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd – calculated from energy (J)
Effective Intensity cd:	250 cd – calculated from energy (J)
Peak Candela:	86,935 cd* – measured ref. to I.E.S.
Effective Intensity cd:	200 cd* – measured ref. to I.E.S.
Terminals:	0.5 to 4.0mm² cables.
Lens colours:	Amber, Blue, Clear, Green, Opal, Red, Yellow
Tube life:	Emissions are reduced to 70% after 8 million flashes
L101H – L.E.D:	
Light source:	High intensity L.E.D. array. 24 x Superflux type high ouput L.E.D's
Options:	Steady or 2Hz flash mode (on board selection)
Peak/Effective Intensity cd:	Green L.E.D: 176cd – measured ref. to I.E.S.
Terminals:	0.5 to 4.0mm² cables
L.E.D. colours:	Amber Blue, Green, Red and White
Lens colour:	All L.E.D. colours use a Clear lens to maximise output and to ensure the signal is most effective in high ambient light levels.

Part Codes

Version:	Description:	Voltage:	Part code:
STB3	Junction box assembly for 3 x L101 beacons	12/24Vdc	STB3DC[x]
STB3	Junction box assembly for 3 x L101 beacons	115/230Vac	STB3AC[x]
[x]: G=Grey, R=Red, W=White			
Version:	**Description:**	**Voltage:**	**Part code:**
ST-L101X	L101 Xenon Beacon 5J	12Vdc	ST-L101XDC012[x]
ST-L101X	L101 Xenon Beacon 5J	24Vdc	ST-L101XDC024[x]
ST-L101X	L101 Xenon Beacon 5J	115Vac	ST-L101XAC115[x]
ST-L101X	L101 Xenon Beacon 5J	230Vac	ST-L101XAC230[x]
[x]: A=Amber, B=Blue, C=Clear, G=Green, R=Red, M=Magenta, Y=Yellow			
ST-L101H	L101 L.E.D. Beacon	10-30Vdc	ST-L101HDC030[y]
ST-L101H	L101 L.E.D. Beacon	90-260Vac	ST-L101HAC230[y]
[y]: A=Amber, B=Blue, C=Clear, G=Green, R=Red			

Example: For a tower of three beacons using two Xenon beacons, one red, one amber plus one L.E.D. beacon in green using a 24Vdc supply in a red housing, order the following part codes:

STB3DCR
ST-L101XDC024R
ST-L101XDC024A
ST-L101HDC024G
For UL approved version suffix all relevant part codes with '-UL'