# L101X Xenon Strobe Beacon



The L101X 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 EN54-23. SIL1 compliant.

Automatically synchronised with an effective light output of 200 cd. Featuring a fire retardent, UV stable IP66 Type 4/4X/13/3R enclosure the L101X is suitable for all environments. Available with a choice of mounting options and seven lens colours.

#### **Features**

- Automatic synchronisation
- Continuously rated
- Dual M20 or 1/2"NPT clearance cable entries
- Duplicate pluggable cable terminations Class A
- Ingress protection IP66 Type 3R/13
- 3 user selectable flash rates
- Diode polarized for use in supervised circuits

#### **Approvals**

- UL: UL1638A
- cUL: CSA C22.2 No 205-M 1983
- 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 compliant
- CE, UKCA













## Specification

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
Ingress protection:	IP66 Type 4/4X/13/3R
Enclosure material:	High impact UL94 VO & 5VA FR PC
Enclosure colour:	Red (RAL3000), Grey (RAL7038) & White
Lens colour filter:	Field replaceable UV stable PC
Cable entries:	$2\mathrm{x}$ M20, 1/2"NPT clearance cable entries with blanking plugs
Terminals:	0.5 – 2.5mm² (20-14 AWG)
Line monitoring:	Diode polarized for use in supervised circuits
Operating:	-25° to +55°C [-13° to +131°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	

## EN54-23 Information:

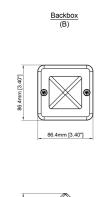
minumation.				
Unit:	Cat. C [Ceiling]	Cat. W [Wall]	Cat. O [Open]	Power
L 101X 24Vdc Clear	C-9-6.8 V=326.9m <sup>3</sup>	W-2.4-4.8 V=55.3m <sup>3</sup>	O-4.8-10 V=230.4m <sup>3</sup>	6W
L101X 24Vdc Red	C-3-2.6 V=15.9m <sup>3</sup>	n/a n/a	O-1.9-3.6 V=13.0m <sup>3</sup>	6W
L 101X 48Vdc Clear	C-9-7 V=346.4m <sup>3</sup>	W-2.5-5 V=62.5m <sup>3</sup>	O-5-10 V=250.0m <sup>3</sup>	8.4W
L101X 48Vdc Red	C-3-3 V=21.2m <sup>3</sup>	n/a n/a	0-2-4 V=16.0m <sup>3</sup>	8.4W

### **Part Codes**

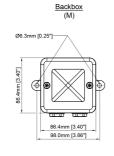
Variable:	Identifier: Description:			
Product type:	L101X	Xenon strobe beacon		
Voltage:	DC012 DC024 DC048 AC048 AC115 AC230	12Vdc/ac (10-14Vdc) 24Vdc/ac (20-28Vdc) 48Vdc (42-52Vdc) 48Vac 50/60Hz 115Vac 50/60Hz 230Vac 50/60Hz		
Back box/cable entries: [e]	B M S	Back box without mounting lugs – 1 x rear 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 – B type back box only		
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]	А	UL/cUL, VdS, CPR, RMRS, EAC, CE, UKCA		
Product option: [o]	1 X	Standard product Custom configuration – contact E2S		
Enclosure: [x]	R G W	Red (RAL 3000) Grey (RAL7038) White		
Lens colour: [y]	A B C G M R Y	Amber Blue Clear Green Magenta Red Yellow		

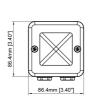
#### **Current Consumption**

Product Version:	Nominal Voltage:	Voltage Range:	Current Consumption:	
DC012	12Vdc/ac	11.5-14Vdc	341mA/380mA	
DC024	24Vdc/ac	20-28Vdc	250mA/300mA	
DC048	48Vdc	42-54Vdc	170mA	
AC048	48Vac	±10% 50/60Hz	250mA	
AC115	115Vac	±10% 50/60Hz	70mA	
AC230	230Vac	±10% 50/60Hz	35mA	



85.1mm [3.35"]





Backbox (S)

