D2xB1X05 Haz Loc Xenon Strobe 5J Warning Light

The D2xB1X05 features a high output 94.78cd, 5 Joule Xenon strobe warning light beacon. Globally approved, the robust Type 4/4X, IP66 enclosure ensures suitability for all haz loc fire alarm and general signalling applications.

The corrosion proof, marine grade aluminium die cast enclosure is phosphated and powder coated providing resilience in the harshest of hazardous location environments. One device, globally certified: ATEX, IECEx Zone 2 & 22; NEC/CEC CI D2 and CII D2; NEC CI Zone 2 and Zone 22; CEC Zone 2 & 22 and CII D2. UL, cUL & ULC approved 24Vdc version is UL1638, CAN/ULC-S526 compliant for private mode fire alarm use.

Features

- UL1638 & CAN-ULC-S526 Private mode fire
- UL1638 General signaling
- Synchronised 1Hz flash rate
- Xenon tube mechanically secured against vibration & shock
- Duplicate, pluggable cable terminations, supervisory diode
- Marine grade aluminium enclosure
- Ingress protection Type 4/4X/3R/13, IP66
- High impact resistant Borosilicate glass lens
- Stainless steel lens guard as standard
- Field replaceable lens colour filter
- Surface mounting via user installed lugs
- Pendant mounting via 3/4''NPT conduit entry
- Dual 1/2''NPT and M20 cable entries
- Supplied with haz loc rated stopping plugs/adaptors

Approvals

- UL/cUL File ref: E245313
- IECEx certificate: IECEx ULD 14.0004X
- ATEX certificate: DEMKO 14 ATEX 4786493904X
- CSFM listing: 7300-2279:0500
- Ex EAC certified: EAC RU C GB.AA71.B.00273/20

Coding

- NEC / CEC:
  Class I Div 2 ABCD T2D Ta -40°C to +50°C
  Class I Div 2 ABCD T3 Ta -40°C to +45°C
  Class II Div 2 FG T6 Ta -40°C to +50°C
  Class III Div 1 & 2 Ta -40°C to +50°C
- NEC:
  Class I Zone 2 AEx ec IIC T2 Gc Ta -40°C to +50°C
  Zone 22 AEx tc IIIC T80°C Dc Ta -40°C to +50°C
- CEC:
  Class I Zone 2 Ex ec IIC T2 Gc X Ta -40°C to +50°C
  Ex tc IIIC T80°C Dc Ta -40°C to +50°C
- IECEx & ATEX:
  II 3G Ex ec IIC T2 Gc Ta -40°C to +50°C
  II 3D Ex tc IIIC T80°C Dc Ta -40°C to +50°C
  See product manual for full voltage specific coding.

Specification

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Effective Intensity cd:	17.4 cd UL1638 Private mode fire
Effective Intensity cd:	94.78 cd – measured ref. to I.E.S.
Peak Candela:	33,410 cd – measured ref. to I.E.S.
Effective Intensity cd:	250 cd – calculated from energy (J)
Peak Candela:	500,000 cd – calculated from energy (J)
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24Vdc; 48Vdc
Voltages AC:	115Vac; 230Vac
Ingress protection:	IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/3R/13
Enclosure material:	Marine grade LM6 aluminum alloy
Enclosure colour:	Red or Grey, custom colours available on request
Lens material:	Borosilicate glass dome with PC prismatic lens cover
Guard:	Stainless Steel dome guard as standard
Cable entries:	2 x M20x1.5, 2 × 1/2''NPT, 1 × 3/4''NPT
Stopping plugs:	Nickel Plated Brass plugs included
Ground/Earth stud:	M5
Terminals:	0.5 – 2.5mm² (20-14 AWG)
Line monitoring:	Blocking diode included EOL can be factory fitted
Operating temp:	-40 to +50°C [-40° to +122°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	95%
Weight:	DC: 1.5kg/3.31lbs AC:1.75kg/3.86lbs

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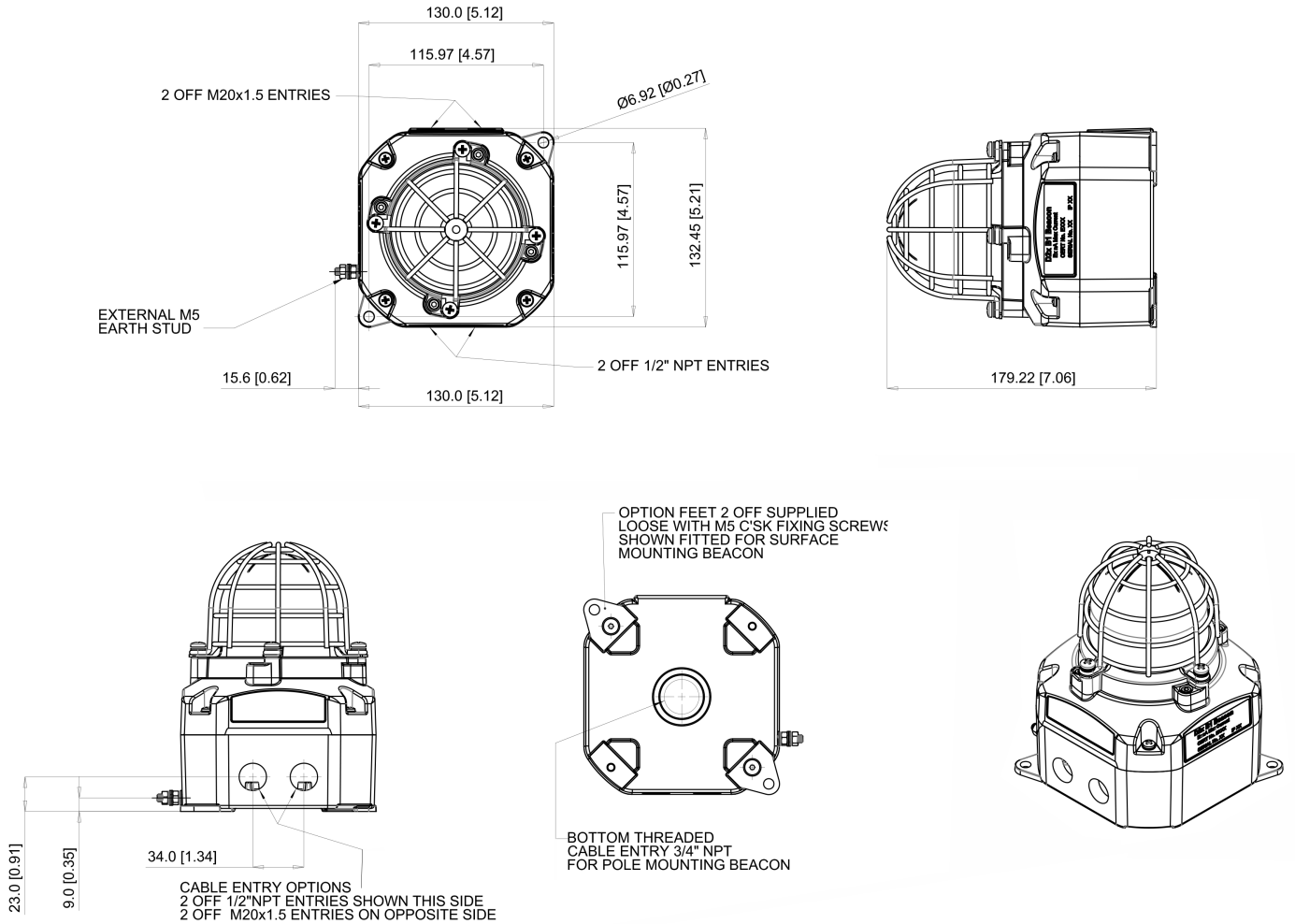
Part Codes

Part Code:	Identifier:	Description:
Product type:	D2xB1X05	5 Joule Xenon Strobe warning light / beacon
Voltage:	AC115	115-120V ac 50/60Hz
	AC230	220-230V ac 50/60Hz
	DC024	24V dc (20-28Vdc)
	DC048	48V dc (42-54V dc)
Cable entries: [e]	M	2 × 1/2" NPT 2 x M20x1.5 1 × 3/4" NPT
Stopping plug material: [m]	N	Nickel plated brass
	S	Stainless Steel
Guard material & tag: [s]	1	A4 316 Stainless Steel
	3	A4 316 St/St with Equip. Tag
	5	A4 316 St/St with Equip. Tag & Duty Label
Product version: [v]	A	UL, cUL, ULC, IECEx, ATEX, CSFM, Ex EAC
Product option: [o]	1	Standard product
	T	Tropicalisation
	X	Custom configuration – contact E2S
Enclosure colour: [x]	R	Red
	G	Grey
	S	Special colour – contact E2S
Lens colour: [y]	A	Amber
	B	Blue
	C	Clear
	G	Green
	M	Magenta
	R	Red
	Y	Yellow

Accessories:

SP65-0001-A4		Pole Mount Bracket Kit St/St A4 (316)
SP65-0003-A4		Sunshade – St/St A4 (316)

Current Consumption

Nominal Voltage:	Voltage range:	Nominal operating current:
24V dc	20-28V dc	296mA (In-rush: 800mA <5.4ms)
48V dc	48V dc	145mA
115V ac	115-120Vac 50/60Hz	80mA
230V ac	220-230Vac 50/60Hz	30mA

Assemblies

The D2xB1X05 is available as an assembly configured with an optional D2xS1 type alarm horn sounder and additional D2x type Xenon strobe or LED beacons with or without a D2xJ1 junction box. Contact E2S for further information.