1-21-201 / Class I Div 1 Haz Loc

D1xB2XH2 UL1971 Auto Sync Explosion Proof 190cd Strobe

The D1xB2XH2 is the brightest explosion proof Xenon Strobe light/beacon available for public mode fire alarm, ADA compliant, hearing impaired applications. The unit is UL/cUL approved for Class I Div 1, Class II Div 2, Class I Zone 1 suitable for both gas and dust environments.

The lightweight, marine grade, enclosure has been designed to create the optimal fire signal. Its innovative construction includes both conduit or surface mounting capabilities - without the need for any additional accessories. For complete flexibility an optional stainless-steel bracket enables the light to be rotated and positioned in any orientation.
Multiple D1xB2XH2 units will auto-synchronize when powered from the same power source; removing the need for any additional sync modules on the circuit.

Features

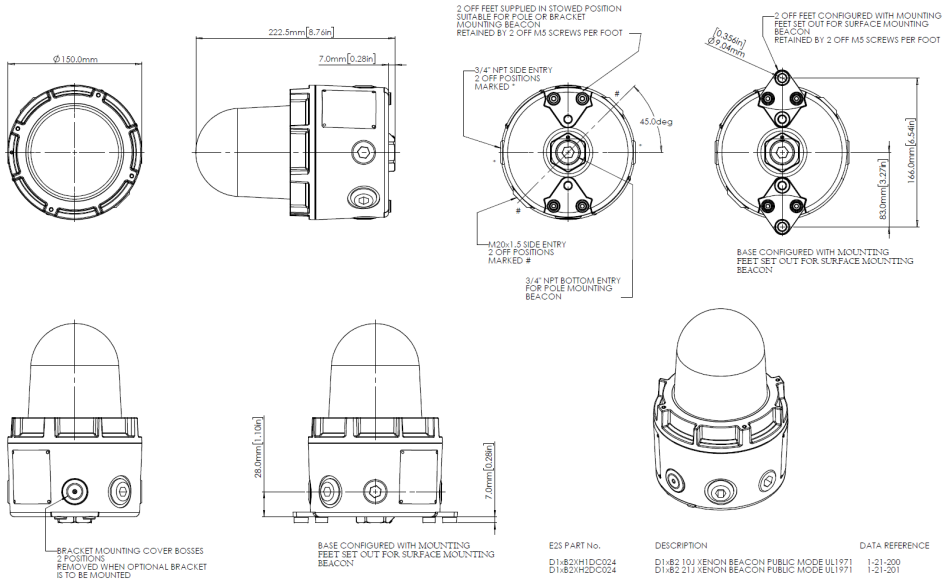
- Public mode fire use UL1971, UL1638 & CAN/ULC-S526
- Auto synchronized as per UL1971
- 190.6cd - UL1971 Public mode fire
- Operating current only 1.165A
- In rush limited to 1.5A for 5ms
- Choice of four flash rates
- Marine grade aluminum enclosure
- Ingress Type 4/4X/3R/13, IP66
- High impact Borosilicate glass lens
- Duplicate, pluggable terminations
- Diode protected for supervised circuits
- Conduit mount via 3/4" NPT entry
- Surface mount via user installed lugs
- Dual 3/4"NPT and dual M20 side entries
- Supplied with stopping plugs
- Optional multi-position wall bracket

Approvals

- UL/cUL File ref: E496070
- CSFM listing: 7300-2279:0507

Coding

- NEC: Class I Div 1 Group ABCD T4A Ta -55°C to +80°C
  Class I Div 1 Group ABCD T5 Ta -55°C to +55°C
  Class I Div 1 Group ABCD T6 Ta -55°C to +40°C
- CEC: Class I Div 1 Group CD T4A Ta -55°C to +80°C
  Class I Div 1 Group CD T5 Ta -55°C to +55°C
  Class I Div 1 Group CD T6 Ta -55°C to +40°C
- NEC / CEC:Class II Div 1 Group EFG T4 Ta -55°C to +80°C
  Class II Div 1 Group EFG T4A Ta -55°C to +60°C
  Class III Div 1 Ta -55°C to +80°C
- NEC: Class I Zone 1 AEx db IIC T4 Ta -55°C to +80°C
  Class I Zone 1 AEx db IIC T5 Ta -55°C to +55°C
  Class I Zone 1 AEx db IIC T6 Ta -55°C to +40°C
  Zone 21 AEx tb IIIC 131°C Ta -55°C to +80°C
- CEC: Ex db IIC T4 Ta -55°C to +80°C
  Ex db IIC T5 Ta -55°C to +55°C
  Ex db IIC T6 Ta -55°C to +40°C
  Ex tb IIIC 131°C Ta -55°C to +80°C



Specification

Source:	Xenon Strobe
Energy:	21 Joules
Modes:	1Hz flash (60 fpm) 1.3Hz flash (80 fpm) 1.5Hz flash (90 fpm) Double flash (120 fpm)
Eff. Intensity cd:	190.6 cd UL1971 Public mode fire
Peak Intensity cd:	2,100,000 cd
Synchronization:	Flash rates synchronize for a minimum of 2 hours per UL1971
Voltage:	24V dc (20-28V dc)
In-rush:	<1.5A within 5ms
Ingress protection:	IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/3R/13
Enclosure material:	Marine grade LM6 aluminum alloy
Enclosure color:	Red (RAL3000)
Lens material:	High impact Borosilicate glass
Cable entries:	2 x 3/4"NPT, 2 x M20x1.5, 1 x 3/4"NPT
Stopping plugs:	Nickel plated brass plugs included
Terminals:	0.5 - 2.5mm² (20-14 AWG)
Line monitoring:	Blocking diode included EOL can be factory or user installed
Operating temp:	-55 to +80°C [-67° to +176°F]
Storage temp:	-55 to +80°C [-67° to +176°F]
Relative humidity:	95% - Additional tropicalisation is recommended for applications where both high relative humidity and high ambient temperatures exist
Weight:	3.2kg/7.1lbs

Part Codes

Part Code:	**Ident.:**	**Description:**
Product type:	D1xB2XH2	Xenon Strobe Beacon
Voltage:	DC024	24V dc (20-28Vdc)
Cable entries: [e]	M	2 x 3/4" NPT 2 x M20x1.5 1 x 3/4" NPT
Stopping plug material: [m]	N	Nickel plated brass
Lens Guard: [s]	0	No lens Guard
Version: [v]	H1	UL, cUL, ULC - UL1971
Enclosure: [x]	R	Red RAL3000
Lens colour: [y]	C	Clear
e.g: D1xB2XH2DC024MN0H1R/C		D1xB2XH2 Xenon Strobe, 24Vdc nickel plated brass stopping plugs, UL, cUL approved - UL1971 Red enclosure with Clear lens
Accessories:	SP77-0001-A2-R	Multi angle wall bracket 304 Stainless Steel
Spares:	SP77-0002	Xenon flash tube assembly
	SP77-0004	XH2 PCBA including flash tube
	SP77-0005	Pack of 2 x Surface Mount Lugs
	SP77-0006	Pack of 2 x Bracket mount hole plugs

Current Consumption

Nominal Voltage:	**Voltage range:**	**Flash Rate setting:**	**Nominal operating current:**
24V dc	20-28V dc	1Hz (60fpm) 1.3Hz (80 fpm) 1.5Hz (90fpm) Double (120fpm)	1.165A 1.215A 1.230A 1.085A

Note: 1Hz, 1.3Hz and 1.5Hz flash rates - Public Mode Fire

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