

# D1xB2XH1 UL1971 Auto Sync CI D1 86cd Strobe

**The explosion proof D1xB2XH1 is an auto-synchronizing Xenon Strobe warning light / beacon tested to UL1971. UL/cUL/ULC approved for Class I/II Div 1, Class I Zone 1/Zone 21 for gas and dust environments.**

The lightweight, marine grade, enclosure has been designed to create the optimal fire signal suitable for public mode fire alarm, ADA compliant, hearing impaired applications. 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 explosion proof warning light to be rotated and positioned in any orientation.

Multiple D1xB2XH1 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 & CAN/ULC-S526
- Auto synchronized as per UL1971
- 86.37cd – UL1971 Public mode fire
- Operating current only 635mA
- In rush limited to 817mA 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

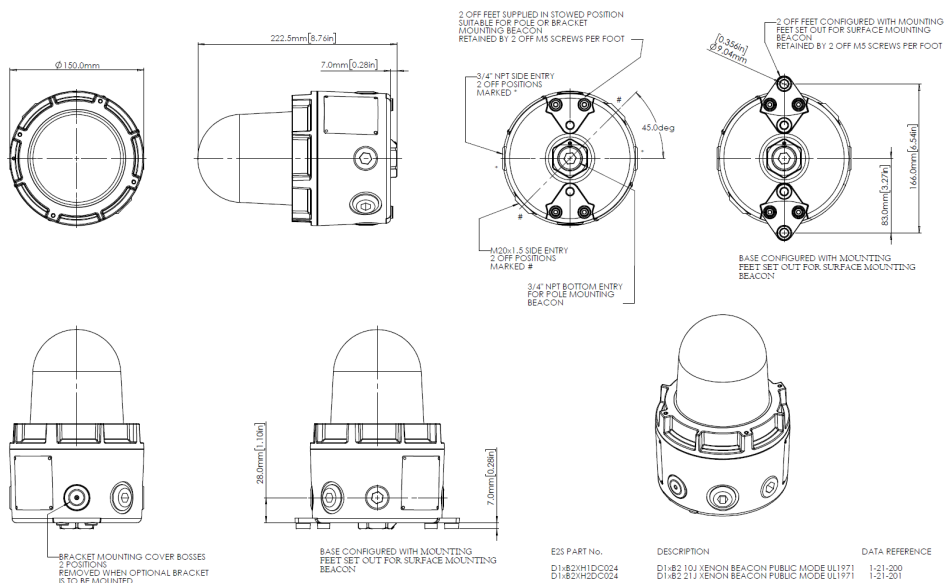
## Approvals

- UL/cUL File ref: E245313
- CSFM listing: 7300-2279:0507

## Coding

- NEC: Class I Div 1 Group ABCD T5 Ta -55°C to +80°C  
Class I Div 1 Group ABCD T6 Ta -55°C to +60°C
- CEC: Class I Div 1 Group CD T5 Ta -55°C to +80°C  
Class I Div 1 Group CD T6 Ta -55°C to +60°C
- NEC / CEC: Class II Div 1 Group EFG T4A Ta -55°C to +80°C  
Class II Div 1 Group EFG T5 Ta -55°C to +65°C  
Class II Div 1 Group EFG T6 Ta -55°C to +50°C  
Class III Div 1 Ta -55°C to +80°C
- NEC: Class I Zone 1 AEx db IIC T5 Ta -55°C to +80°C  
Class I Zone 1 AEx db IIC T6 Ta -55°C to +60°C  
Zone 21 AEx tb IIIC 107°C Ta -55°C to +80°C
- CEC: Ex db IIC T5 Ta -55°C to +80°C  
Ex db IIC T6 Ta -55°C to +60°C  
Ex tb IIIC 107°C Ta -55°C to +80°C





## Specification

Source:	Xenon Strobe
Energy:	10 Joules
Modes:	1Hz flash (60 fpm) 1.3Hz flash (80 fpm) 1.5Hz flash (90 fpm) Double flash (120 fpm)
Eff. Intensity cd:	86.37 cd UL1971 Public mode fire
Peak Intensity cd:	1,000,000 cd
Synchronization:	Flash rates synchronize for a minimum of 2 hours per UL1971
Voltage:	24V dc (20-28V dc)
In-rush:	<817mA within 5ms @ 24Vdc
Ingress protection:	IP rating per EN60529:IP66/67 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 - 2.5mm <sup>2</sup> (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:	99% - tropicalised/conformal coated electronics
Weight:	3.2kg/7.1lbs

## Part Codes

Part Code:	Ident.:	Description:
Product type:	D1xB2	Explosion proof warning light
Type:	XH1	Xenon Strobe Beacon 10 Joule 86.37cd
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 & tag: [s]	0	No lens Guard
	5	No lens guard with Equip. Tag
Version: [v]	H1	UL, cUL, ULC - Class I/II Div 1, Class I Zone 1/Zone 21 - UL1971 & CAN/ULC-S526
Enclosure: [x]	R	Red
Lens colour: [y]	C	Clear

## Accessories:

SP77-0001-A4-R	Multi angle wall bracket 316 Stainless Steel
SP65-0001-A4	Pole Mount Bracket Kit St/St A4 (316)
SP65-0003-A4	Sunshade - St/St A4 (316)
<b>Spares:</b>	
SP77-0002	Xenon flash tube assembly
SP77-0003	XH1 PCBA including flash tube
SP77-0015-R	Pack of 2 x Surface Mount Lugs Red
SP77-0016-R	Pack of 2 x Bracket mount hole plugs Red

## Current Consumption

Nominal Voltage:	Voltage range:	Flash Rate setting:	Nominal operating current:	In rush:
24V dc	20-28V dc	1Hz (60fpm)	635mA	<817mA <5ms
		1.3Hz (80 fpm)	695mA	
		1.5Hz (90fpm)	700mA	
		Double (120fpm)	580mA	

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

# D1xB2XH2 UL1971 Auto Sync Cl D1 190cd Strobe

**The D1xB2XH2 is the brightest explosion proof Xenon Strobe warning light / beacon available for public mode fire alarm applications. UL/cUL/ULC approved for Class I/II Div 1, Class I Zone 1/Zone 21 for gas and dust environments.**

The lightweight, marine grade, enclosure has been designed to create the optimal fire signal for ADA compliant, hearing impaired applications. 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 explosion proof warning 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 & 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, 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

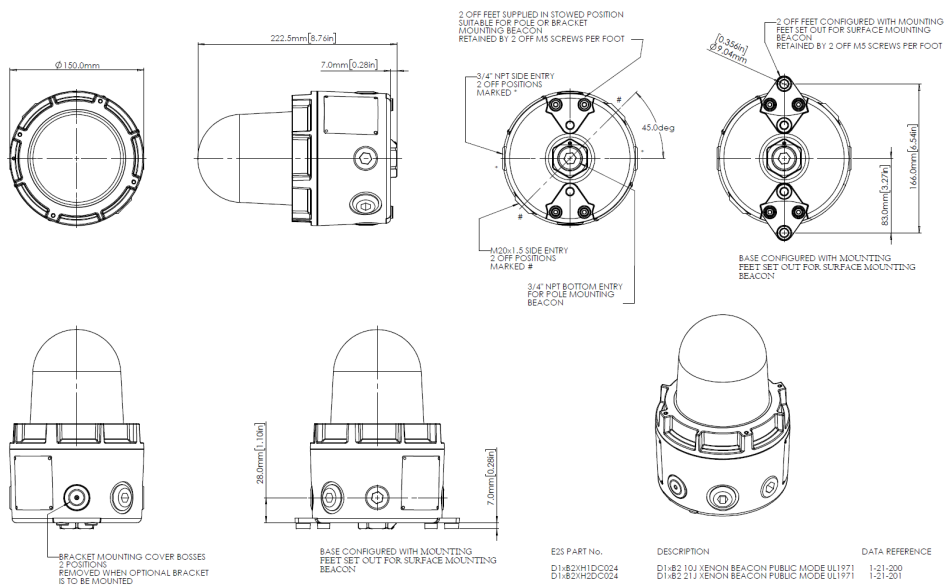
## Approvals

- 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 @ 24Vdc
Ingress protection:	IP rating per EN60529:IP66/67 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 - 2.5mm <sup>2</sup> (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:	99% - tropicalised/conformal coated electronics
Weight:	3.2kg/7.1lbs

## Part Codes

Part Code:	Ident.:	Description:
Product type:	D1xB2	Explosion proof warning light
Type:	XH2	Xenon Strobe Beacon 21 Joule 190.6cd
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 & tag: [s]	0	No lens Guard
	5	No lens guard with Equip. Tag
Version: [v]	H1	UL, cUL, ULC - Class I/II Div 1, Class I Zone 1/Zone 21 - UL1971 & CAN/ULC-S526
Enclosure: [x]	R	Red
Lens colour: [y]	C	Clear

## Accessories:

SP77-0001-A4-R	Multi angle wall bracket 316 Stainless Steel
SP65-0001-A4	Pole Mount Bracket Kit St/St A4 (316)
SP65-0003-A4	Sunshade - St/St A4 (316)
<b>Spares:</b>	
SP77-0002	Xenon flash tube assembly
SP77-0003	XH1 PCBA including flash tube
SP77-0015-R	Pack of 2 x Surface Mount Lugs Red
SP77-0016-R	Pack of 2 x Bracket mount hole plugs Red

## Current Consumption

Nominal Voltage:	Voltage range:	Flash Rate setting:	Nominal operating current:	In rush:
24V dc	20-28V dc	1Hz (60fpm)	1.165A	<1.5A <5ms
		1.3Hz (80 fpm)	1.215A	
		1.5Hz (90fpm)	1.230A	
		Double (120fpm)	1.085A	

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