



D1xB2X05

Xenon Strobe Beacon

Datasheet Version 1.1



Output: 5J Xenon flash

IP Rating: IP66

Colour: Amber/Blue/Clear/Green/Magenta/Red/Yellow

Voltages: 12Vdc/24Vdc/48Vdc/115Vac/230Vac

Audio visual
signalling



Hazardous
area



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ISO 9001:2015 certified

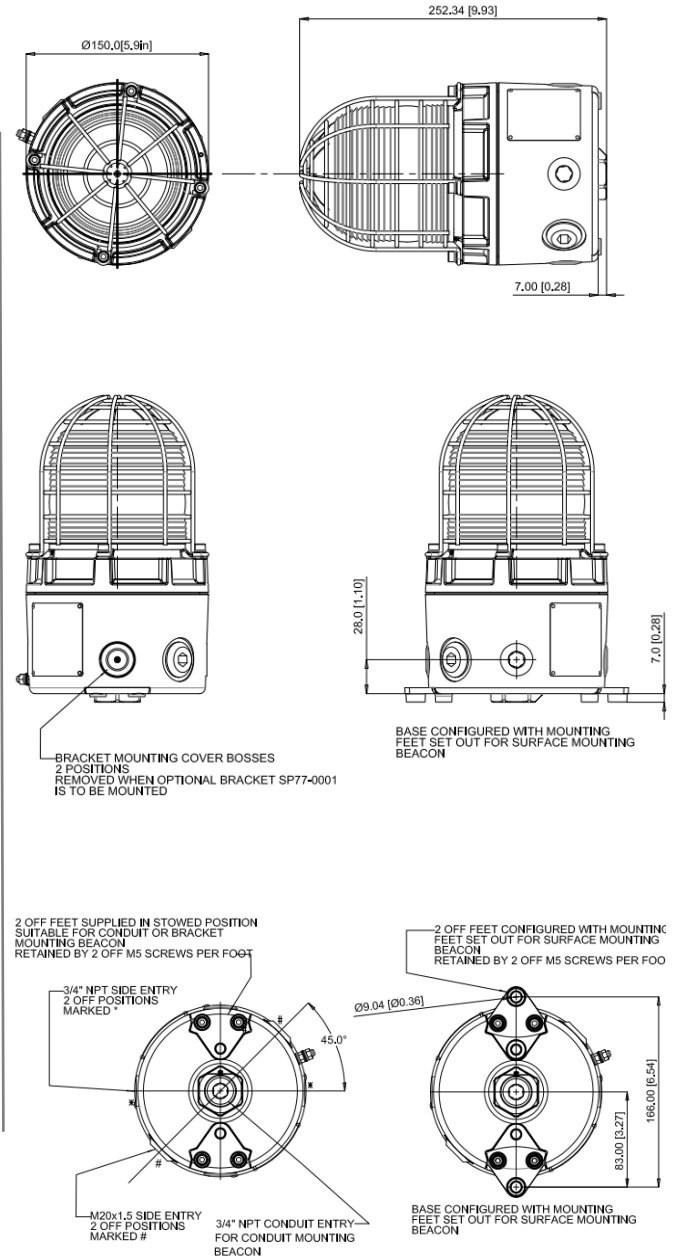
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Light source	5 Joule Xenon strobe
Intensity	20.44cd UK1638 Private mode fire 156.65cd measured ref to I.E.S (5000,000cd peak)
Modes	1Hz flash (60 fpm), 1.3Hz flash (80 fpm), 1.5Hz flash (90fpm), Double flash (120fpm)
IP rating	IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/3R/13
Suitable zones	1, 2, 21 & 22
Cable entry	Side: 2 x 3/4" NPT & 2 x M20x1.5 Pendant: 1 x 3/4" NPT
Terminal capacity	0.5 - 2.5mm ² (20-14 AWG)
Unit weight	3.2kg
Operating temp.	-55° to +80°C
Storage temp.	-55 to +80°C
Relative humidity	95% – Additional topicalization is recommended for applications where both high relative humidity and high ambient temperatures exist
Unit material	Marine grade LM6 aluminium alloy Chromate & powder coated finish – anti-corrosion High impact Borosilicate glass lens
Body colour	Red (RAL3000) or Grey (RAL7038)
Lens colour	Amber/Blue/Clear/Green/Magenta/Red/Yellow
Approvals	UL/cUL/ULC – File ref: E496070 IECEX Certificate: IECEX ULD 19.0006X ATEX Certificate: DEMKO 19 ATEX 2009X SIL1 & SIL2 compliant to IEC61508 (2010)



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Coding

ATEX / IECEx

- II 2G Ex db IIC T4 Gb Ta -55°C to +80°C (AC: +70°C)
- II 2G Ex db IIC T5 Gb Ta -55°C to +75°C (AC: +50°C)
- II 2G Ex db IIC T6 Gb Ta -55°C to +60°C (DC only)
- II 2D Ex tb IIIC T104°C Db Ta -55°C to +80°C (AC: T116°C+70°C)

NEC Class / Zone

- Class I Zone 1 AEx db IIC T4 Ta -55°C to +80°C (AC: +70°C)
- Class I Zone 1 AEx db IIC T5 Ta -55°C to +75°C (AC: +50°C)
- Class I Zone 1 AEx db IIC T6 Ta -55°C to +60°C (DC only)
- Zone 21 AEx tb IIIC T99°C Ta -55°C to +80°C (AC: T153°C +70°C)

CEC Class / Zone

- Ex db IIC T4 Ta -55°C to +80°C (AC: +70°C)
- Ex db IIC T5 Ta -55°C to +75°C (AC: +50°C)
- Ex db IIC T6 Ta -55°C to +60°C (DC only)
- Ex tb IIIC T99°C Ta -55°C to +80°C (AC: T153°C +70°C)

NEC / CEC Class / Div

- Class I Div 1 Group ABCD T5 Ta -55°C to +80°C (AC: T4A +70°C)
- Class I Div 1 Group ABCD T6 Ta -55°C to +70°C (AC: +40°C)
- Class II Div 1 Group EFG T5 Ta -55°C to +80°C (AC: T4 +40°C)
- Class III Div 1 Ta -55°C to +80°C (AC: +40°C)

Current Consumption

Voltage	Range	Nominal current	In rush
12Vdc	12-14Vdc	585mA	-
24Vdc	20-28Vdc	295mA	920mA
48Vdc	42-54Vdc	145mA	-
115Vac	110-120Vac 50/60Hz	140mA	-
230Vac	220-240Vac 50/60Hz	70mA	-



Pole Mount



Wall Bracket



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Part Codes

Part Code:	Ident.:	Description:
Product type:	D1xB2	
Type:	X05	Xenon Strobe Beacon 5 Joule
Voltage:	DC024 DC048 AC115 AC230	24V dc (20-28Vdc) 48Vdc (42-54Vdc) 115Vac (110-120Vac) 230Vac (220-240Vac)
Cable entries: [e]	M	Side: 2 x 3/4" NPT & 2 x M20, Pendant: 1 x 3/4" NPT
Stopping plug material: [m]	B N S	Brass Nickel plated brass Stainless steel
Lens guard & tag: [s]	1 2 3 4	A2 304 Stainless Steel A4 316 Stainless Steel A2 304 St/St with Equip. Tag A4 316 St/St with Equip. Tag
Version: [v]	A1 S1 T1	UL, cUL, ULC, IECEx, ATEX UL, cUL, ULC, IECEx, ATEX – SIL2 UL, cUL, ULC, IECEx, ATEX – Tropicalised
Enclosure: [x]	R G S	Red RAL3000 Grey RAL7038 Special colour – contact E2S
Lens colour: [y]	A, B, C G, M, R Y	Amber, Blue, Clear Green, Magenta, Red Yellow
SP77-0001-A2-R/G SP77-0001-A4-R/G SP65-0001-A2 or A4 SP65-0003-A2 or A4		Multi angle wall bracket St/St A2 (304) Red or Grey Multi angle wall bracket St/St A4 (316) Red or Grey Pole Mount Bracket Kit 2" St/St A2 (304) or A4 (316) Sunshade – St/St A2 (304) or A4 (316)
SP77-0002 SP77-0005 SP77-0006		Spare Xenon flash tube assembly Spare Pack of 2 x Surface Mount Lugs Spare Pack of 2 x Bracket mount hole plugs

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