

E2xB05 Xenon Strobe 5 Joule

The hazardous area E2xB05 Xenon strobe beacon is UL/cULs approved for Class I Div 2, Class II Div 2, Class I Zone 2/22 as well as IECEx and ATEX certified for Zone 2 and 22 applications.

The E2xB05 is a 5 Joule Xenon strobe beacon with a 1Hz (60 fpm) flash rate.

The E2x range features enclosures manufactured from lightweight, high performance GRP which, with its corrosion proof properties, is suitable for the harshest of environments.

Features

- Large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- Stainless Steel dome guard as standard
- Xenon tube mechanically secured against vibration & shock.
- User replaceable Xenon tube assembly.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.

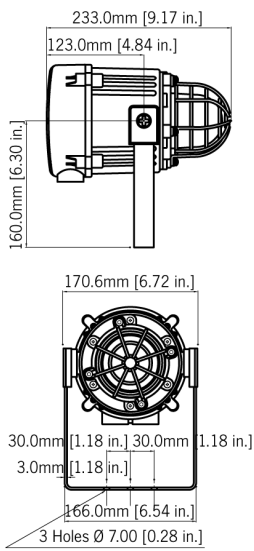
Approvals

- ATEX certificate: DEMKO 06 ATEX 0421554X
- IECEx certificate: IECEx ULD 14.0012X
- UL/cUL File ref: E245313
- UKCA certificate: UL21UKEX2135X
- Ex EAC certified: EAC RU C-GB.AA71.B.00273/20

Coding

- ATEX / IECEx certification
 - II 3G Ex ec IIC T3 Gc Ta -20°C to +40°C
 - II 3G Ex ec IIC T2 Gc Ta -20°C to +55°C
 - II 3D Ex tc IIIC T85°C Dc Ta -20°C to +40°C
 - II 3D Ex tc IIIC T100°C Dc Ta -20°C to +55°C
- NEC Class / Zone ratings US
 - Class I Zone 2 AEx ec IIC T3 Gc Ta -20°C to +40°C
 - Class I Zone 2 AEx ec IIC T2 Gc Ta -20°C to +55°C
 - Zone 22 AEx tc IIIC T85°C Dc Ta -20°C to +40°C
 - Zone 22 AEx tc IIIC T100°C Dc Ta -20°C to +55°C
- CEC Class / Zone ratings Canada
 - Class I Zone 2 Ex ec IIC T3 Gc X Ta -20°C to +40°C
 - Class I Zone 2 Ex ec IIC T2 Gc X Ta -20°C to +55°C
 - Zone 22 Ex tc IIIC T85°C Dc Ta -20°C to +40°C
 - Zone 22 Ex tc IIIC T100°C Dc Ta -20°C to +55°C
- NEC & CEC Class / Division Ratings for US / Canada
 - Class I Div 2 Group ABCD T2D Ta -20°C to +55°C
 - Class I Div 2 Group ABCD T3 Ta -20°C to +40°C
 - Class II Div 2 Group FG T5 Ta -20°C to +55°C
 - Class II Div 2 Group FG T6 Ta -20°C to +40°C
 - Class III Div 1 & 2 Ta -20°C to +55°C





Specification

Energy:	5 Joules (5Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	500,000 cd – calculated from energy (J)
Effective Intensity cd:	250 cd – calculated from energy (J)
Peak Candela:	34,122 cd* – measured ref. to I.E.S.
Effective Intensity cd:	108 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	12Vdc; 24Vdc; 48Vdc
Voltages AC:	115Vac; 230Vac
Ingress protection:	IP rating per EN60079-0:IP64 IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/13
Enclosure material:	UL94V0 GRP (PPS) & ABS
Lens material:	Borosilicate glass dome with PC prismatic lens cover.
Guard:	Stainless Steel dome guard as standard
Cable entries:	Dual M20x1.5 or 1/2"NPT
Terminals:	0.5 – 2.5mm ² (20-14 AWG)
Line monitoring:	Blocking diode included EOL can be factory fitted
Operating temp:	-20 to +55°C [-4° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	1.48kg/3.25lbs
* All candela data is representative of performance with clear lens at optimum voltage.	

Part Codes

Part Code:	Ident.:	Description:
Product type:	E2xB05	Xenon Strobe Beacon
Voltage:	AC115 AC230 DC012 DC024 DC048	115V ac 50/60Hz 230V ac 50/60Hz 12V dc (10-14V dc) 24V dc (20-28Vdc) 48V dc (42-54V dc)
Cable entries: [e]	A B C	M20x1.5 & ½" NPT M20x1.5 & M20x1.5 ½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard tag: [s]	1 2 3 4	304 A2 Stainless Steel 316 A4 Stainless Steel 304 A2 Stainless Steel & Equip. Tag 316 A4 Stainless Steel & Equip. Tag
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	B	Black
Lens colour: [y]	A, B, C G, M, R Y	Amber, Blue, Clear Green, Magenta, Red Yellow
Accessories:	SP65-0001-A4 SP65-0003-A4	Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316)

Current Consumption

Version:	Voltage:	Current:
12V dc	10-14V dc	520mA
24V dc	20-28V dc	275mA
48V dc	42-58V dc	145mA
115V ac 50/60Hz	+/-10%	80mA
230V ac 50/60Hz	+/-10%	30mA

E2xB10 Xenon Strobe 10 Joule

The hazardous area E2xB10 Xenon strobe beacon is UL/cULs approved for Class I Div 2, Class II Div 2, Class I Zone 2/22 as well as IECEx and ATEX certified for Zone 2 and 22 applications.

The E2xB10 is a 10 Joule Xenon strobe beacon with a 1Hz (60 fpm) flash rate.

The E2x range features enclosures manufactured from lightweight, high performance GRP which, with its corrosion proof properties, is suitable for the harshest of environments.

Features

- Very large termination area.
- Ratchet adjustable stainless steel 'U' bracket.
- Stainless Steel dome guard as standard
- Xenon tube mechanically secured against vibration & shock.
- User replaceable Xenon tube assembly.
- Duplicate cable terminations (in & out for daisy-chain installations).
- Tropicalisation available on request.

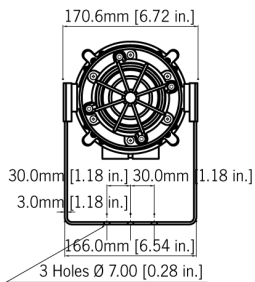
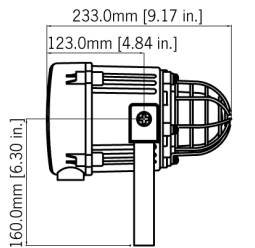
Approvals

- ATEX certificate: DEMKO 06 ATEX 0421554X
- IECEx certificate: IECEx ULD 14.0012X
- UL/cUL File ref: E245313
- UKCA certificate: UL21UKEX2135X
- Ex EAC certified: EAC RU C-GB.AA71.B.00273/20

Coding

- ATEX / IECEx certification
 - II 3G Ex ec IIC T2 Gc Ta -20°C to +55°C
 - II 3D Ex tc IIIC T105°C Dc Ta -20°C to +40°C
 - II 3D Ex tc IIIC T120°C Dc Ta -20°C to +55°C
- NEC Class / Zone ratings US
 - Class I Zone 2 AEx ec IIC T2 Gc Ta -20°C to +55°C
 - Zone 22 AEx tc IIIC T105°C Dc Ta -20°C to +40°C
 - Zone 22 AEx tc IIIC T120°C Dc Ta -20°C to +55°C
- CEC Class / Zone ratings Canada
 - Class I Zone 2 Ex ec IIC T2 Gc X Ta -20°C to +55°C
 - Zone 22 Ex tc IIIC T105°C Dc Ta -20°C to +40°C
 - Zone 22 Ex tc IIIC T120°C Dc Ta -20°C to +55°C
- NEC & CEC Class / Division Ratings for US / Canada
 - Class I Div 2 Group ABCD T2A Ta -20°C to +55°C
 - Class II Div 2 Group FG T4A Ta -20°C to +55°C
 - Class II Div 2 Group FG T5 Ta -20°C to +40°C
 - Class III Div 1 & 2 Ta -20°C to +55°C





Specification

Energy:	10 Joules (10Ws)
Flash rate:	1Hz (60 fpm)
Peak Candela:	1,000,000 cd – calculated from energy (J)
Effective Intensity cd:	500 cd – calculated from energy (J)
Peak Candela:	61,164 cd* – measured ref. to I.E.S.
Effective Intensity cd:	272 cd* – measured ref. to I.E.S.
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24Vdc; 48Vdc
Voltages AC:	115Vac; 230Vac
Ingress protection:	IP rating per EN60079-0:IP64 IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/13
Enclosure material:	UL94V0 GRP (PPS)
Lens material:	Borosilicate glass dome with PC prismatic lens cover.
Guard:	Stainless Steel dome guard as standard
Cable entries:	Dual M20x1.5 or 1/2"NPT
Terminals:	0.5 – 2.5mm ² (20-14 AWG)
Line monitoring:	Blocking diode included EOL can be factory fitted
Operating temp:	-20 to +55°C [-4° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	1.48kg/3.25lbs

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

Part Codes

Part Code:	Ident.:	Description:
Product type:	E2xB10	Xenon Strobe Beacon
Voltage:	AC115 AC230 DC012 DC024 DC048	115V ac 50/60Hz 230V ac 50/60Hz 12V dc (10-14V dc) 24V dc (20-28Vdc) 48V dc (42-54V dc)
Cable entries: [e]	A B C	M20x1.5 & ½" NPT M20x1.5 & M20x1.5 ½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard tag: [s]	1 2 3 4	304 A2 Stainless Steel 316 A4 Stainless Steel 304 A2 Stainless Steel & Equip. Tag 316 A4 Stainless Steel & Equip. Tag
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	B	Black
Lens colour: [y]	A, B, C G, M, R Y	Amber, Blue, Clear Green, Magenta, Red Yellow
Accessories:	SP65-0001-A4 SP65-0003-A4	Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316)

Current Consumption

Version:	Voltage:	Current:
24V dc	20-28V dc	560mA
48V dc	42-58V dc	260mA
115V ac 50/60Hz	+/-10%	185mA
230V ac 50/60Hz	+/-10%	107mA

E2xBL2 Multi-function LED Beacon & Status Light

The hazardous location E2xBL2 LED beacon and status light is UL/cULs approved for Class I Div 2, Class II Div 2, Class I Zone 2/22 as well as IECEx and ATEX certified for Zone 2 and 22 applications.

The hazardous area E2xBL2 LED status light & beacon utilises an array of high power Cree® LED's, orientated to optimise visibility in any direction.

The beacon can be configured as a steady beacon for status indicator use, with a light output of up to 87 candela. Alternatively one of the five flashing modes, with a light output of up to 160 candela, may be used for warning applications. DC voltage versions feature three remotely selectable stages enabling multiple warnings to be signalled from one device. The UV stable colour filter enhances the light output and is field replaceable.

Features

- Very large termination area.
- Ingress protection IP66/67
- Choice of five flash rates: 1Hz, 1.5Hz, 2Hz, double and triple flash.
- High and low power Steady On modes
- Three remotely selectable stages/channels on DC versions.
- Glass lens & Stainless Steel guard
- UV stable PC field replaceable lens colour filter
- Stainless steel fixings
- Dual cable entries
- Duplicate cable terminations (in & out for daisy-chain installations)
- Ratchet adjustable stainless steel 'U' bracket.

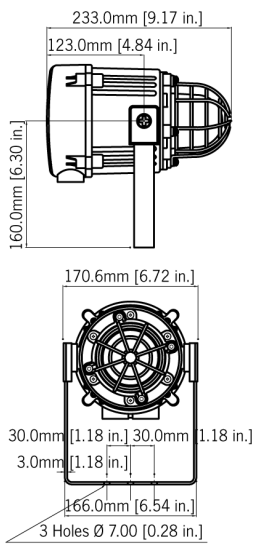
Approvals

- ATEX certificate: DEMKO 06 ATEX 0421554X
- IECEx certificate: IECEx ULD 14.0012X
- UL/cUL File ref: E245313
- Ex EAC certified: EAC RU C-GB.AA71.B.00273/20

Coding

- ATEX / IECEx certification
 - II 3G Ex ec IIC T4 Gc Ta -20°C to +55°C
 - II 3D Ex tc IIIC T85°C Dc Ta -20°C to +55°C
- NEC Class / Zone ratings US
 - Class I Zone 2 AEx eb IIC T4 Gc Ta -20°C to +55°C
 - Zone 22 AEx tc IIIC T85°C Dc Ta -20°C to +55°C
- CEC Class / Zone ratings Canada
 - Class I Zone 2 Ex ec IIC T4 Gc X Ta -20°C to +55°C
 - Class I Zone 2 Ex ec IIC T4A Gc X Ta -20°C to +40°C
 - Zone 22 Ex tc IIIC T85°C Dc X Ta -20°C to +55°C
- NEC & CEC Class / Division Ratings for US / Canada
 - Class I Div 2 Group ABCD T4A Ta -20°C to +55°C
 - Class II Div 2 Group FG T6 Ta -20°C to +55°C
 - Class III Div 1 & 2 Ta -20°C to +55°C





Specification

Source:	Array of 4 x High Power Cree® LED's
Modes:	1Hz flash (60 fpm) 1.5Hz flash (90 fpm) 2Hz flash (120 fpm) Double strike flash Triple strike flash High Power Steady Low Power Steady
Eff. Intensity cd:	87 cd – High Power Steady
Eff. Intensity cd:	160 cd – 1Hz flash
Lens colours:	Amber, Blue, Clear, Green, Magenta, Red & Yellow
Voltages DC:	24V dc (18-54V dc)
Voltages AC:	115V ac; 230V ac
Ingress protection:	IP rating per EN60079-0:IP64 IP rating per EN60529:IP66 Type rating per UL50E/NEMA250:4/4X/13
Enclosure material:	UL94V0 GRP (PPS)
Lens material:	Borosilicate glass dome with PC prismatic lens cover.
Guard:	Stainless Steel dome guard as standard
Cable entries:	Dual M20x1.5 or 1/2"NPT
Terminals:	0.5 – 2.5mm ² (20-14 AWG)
Line monitoring:	Blocking diode included EOL can be factory fitted
LED life:	60,000 hours
Operating temp:	-20 to +55°C [-4° to +131°F]
Storage temp:	-40 to +70°C [-40° to +158°F]
Relative humidity:	90% at 20°C [68°F]
Weight:	1.48kg/3.25lbs
* All candela data is representative of performance with clear lens at optimum voltage.	

Part Codes

Part Code:	Ident.:	Description:
Product type:	E2xBL2	LED Beacon/Status Light
Voltage:	AC115 AC230 DC024	115V ac 50/60Hz 230V ac 50/60Hz 24V dc (18-54Vdc)
Cable entries: [e]	A B C	M20x1.5 & ½" NPT M20x1.5 & M20x1.5 ½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard tag: [s]	1 2 3 4	304 A2 Stainless Steel 316 A4 Stainless Steel 304 A2 Stainless Steel & Equip. Tag 316 A4 Stainless Steel & Equip. Tag
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	B	Black
Lens colour: [y]	A, B, C G, M, R, Y	Amber, Blue, Clear Green, Magenta, Red, Yellow
Accessories:	SP65-0001-A4 SP65-0003-A4	Pole Mount Bracket Kit St/St A4 (316) Sunshade – St/St A4 (316)

Current Consumption

Version:	Voltage:	Steady High Power:	Steady Low Power:	Flashing 1Hz:
24Vdc	18-54Vdc	240mA	134mA	110mA
115Vac 50/60Hz	+/-10%	95mA	78mA	90mA
230Vac 50/60Hz	+/-10%	48mA	37mA	45mA

Multi-function patterns

Stage 1:	Stage 2:	Stage 3:
Steady High Power	Flashing 1Hz	Triple Strike
Steady Low Power	Flashing 1Hz	Triple Strike
Flashing 1Hz	2x Flash 2Hz	Triple Strike
Flashing 1.5Hz	Flashing 2Hz	Double Strike
Flashing 2Hz	Triple Strike	Triple Strike
Double Strike	Steady High Power	Triple Strike
Triple Strike	Flashing 2Hz	Double Strike

Note: Remote second and third stage on DC units only