

# 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.

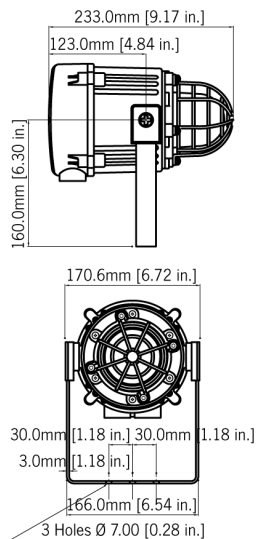
## Approvals

- ATEX certificate: DEMKO 06 ATEX 042 1554X
- IECEx certificate: IECEx ULD 14.0012X
- UL/cUL File ref: E245313

## Coding

- ATEX / IECEx certification
  - II 3G Ex nA IIC Gc T4 Ta -20°C to +55°C
  - II 3D Ex tb IIIC Dc T85°C Ta -20°C to +55°C
- NEC Class / Zone ratings US
  - Class I Zone 2 AEx nA IIC Gc T4 Ta -20°C to +55°C
  - AEx tb IIIC Dc T85°C Ta -20°C to +55°C
- CEC Class / Zone ratings Canada
  - Ex nA IIC Gc T4 Ta -20°C to +55°C
  - Ex nA IIC Gc T4A Ta -20°C to +40°C
  - Ex tb IIIC Dc T85°C Ta -20°C to +55°C
- NEC & CEC Class / Division Ratings for US / Canada
  - Class I, Div 2, ABCD T4A Ta -20°C to +55°C
  - Class II, Div 2, 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 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 <sup>2</sup> (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	115V ac 50/60Hz
	AC230	230V ac 50/60Hz
	DC024	24V dc (18-54Vdc)
Cable entries: [e]	A	M20x1.5 & ½" NPT
	B	M20x1.5 & M20x1.5
	C	½" NPT & ½" NPT
Stopping plug material: [m]	N	Nylon
Bracket & Guard: [s]	1	304 (A2) Stainless Steel
	2	316 (A4) Stainless Steel
Version: [v]	A1	UL, cULs, IECEx & ATEX
Enclosure: [x]	B	Black
Lens colour: [y]	A, B, C	Amber, Blue, Clear
	G, M, R	Green, Magenta, Red
	Y	Yellow
e.g:	E2xBL2DC024BN1A1B/R	E2xBL2 LED Beacon in 24Vdc with dual M20 entries, nylon stopping plug, UL, cULs, IECEx & ATEX approved Black enclosure with Red lens

Also available as the E2xC1X05 combined alarm sounder and Xenon beacon and the E2xC1LD2 combined alarm sounder and LED beacon.

## Current Consumption

Version:	Voltage:	Steady High Power Current:	Steady Low Power Current:	Flashing 1Hz Current:
24V dc	18-54V dc	240mA	134mA	110mA
115V ac	103.5-126.5V ac 50/60Hz	95mA	78mA	90mA
230V ac	207-253V ac 50/60Hz	48mA	37mA	45mA

## Multi-function patterns

Stage 1: [On board]	Stage 2: [Remote]	Stage 3: [Remote]
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