Lens Guard not supplied as standard

Explosion Proof Beacon > Stainless Steel BC125 Series

Product overview

The BC125 range has been approved for use in potentially explosive atmospheres and very harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc.

These beacons have a choice of two types of light source: either Xenon (strobe) with multiple flash rate and power ratings or an LED array with three status type indication options and two power ratings. The design allows for termination inside the enclosure.

The units also have the ability to be fitted with a telephone initiation function and can be used as the second ring output indicator for telephones when installed in very noisy environments.

Features/Certifications

- Approved by ATEX, IECEx
- CQST (Available on request only)
- ATEX: Ex d IIC T4~ T6 Gb
  Ex tb IIIC T135°C~T85°C
- Zones 1, 2, 21 & 22
- Conforms to:
  EN 60079-0:2012 (IEC 60079-0:2011),
  EN-60079-1:2007 (IEC 60079-1:2007)
  EN 60079-31:2009 (IEC 60079-31:2008)
- 360° light output around the vertical axis
- Dustproof & Weatherproof

BC125 Series > Ordering Information

Follow the chart (right) to generate your part code.

	Lens Colour	Beacon Type	Power (Xenon)	Power (LED)	Voltage	Duty Label	Tag Label	Lens Guard	Cable Entry	Finish Colour	Telephone Initiated
BC125 +	A = Amber	X = Xenon	05 = 5J	05 = 5W	DC 12 - 48v	Y = Yes	Y = Yes	Y = Yes	A = M20	RD = Red	Y = Yes
	R = Red		10 = 10J							YW = Yellow	
	B = Blue		15 = 15J	10 = 10W	AC 100 - 240v	N = No	N = No	N = No	B = M25	BU = Blue	N = No
	G = Green	L = LED	20 = 20J							BL = Black	
	C = Clear									OR = Other	
	O = Other										

MODEL CONFIGURATOR (By using the table above, complete this box sequence to select your required beacon).

BC125	Lens Colour	Beacon Type	Power (Xenon)	Power (LED)	Voltage	Duty Label	Tag Label	Lens Guard	Cable Entry	Finish Colour	Telephone Initiated

Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.

Kg 5.4	°C -40+70	IP 66	INDUSTRIAL	MARINE	STAINLESS STEEL

APPROVALS and CONFORMITIES

Explosion Proof Beacon >
Stainless Steel **BC125 Series**

General Information

EX CODE:	Ex d IIC T4~ T6 Gb, Ex tb IIIC T135ºC~T85ºC
CERTIFICATION:	ATEX (Nemko 14 1011X), IECEx (NEM 14.0007X)
	CQST (Available on request only)
TYPE:	Xenon or LED Visual Beacon

Xenon Working Status	Xenon - Flashing			
Flash Rate	Selectable from 60-180 Flashes per Minute			
Power Rating	5 J (10W) Max	10 J (15W) Max	15 J (20W) Max	20 J (25W) Max
Effective Candela	109	293	395	424

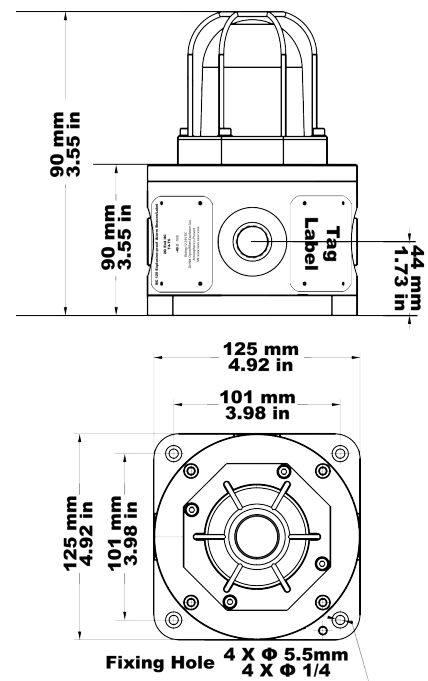| LED Working Status	LED - Flashing / Rotating / Static	
Flash Rate	Selectable from 60-120 Flashes per Minute	
Rotation Rate	Selectable from 60-120 Revolutions per Minute	
Static Mode	Permanently ON (ie Steady)	
Power Rating	5 W	10 W
Effective Candela	128	312

MULTIPLYING FACTOR FOR COLOURED LENSES:

Amber x 0.51, Red x 0.15, Blue x 0.12, Green x 0.49, Clear x 1

Mechanical Specifications

MATERIAL:	Enclosure: Stainless Steel 316
	Lens: Tempered Glass
LENS COLOURS:	Amber, Red, Blue, Green, Clear or Other (specify)
ENCLOSURE COLOUR:	Red (RAL3001), Yellow (RAL1003)
	Blue (RAL5005), Black (RAL9004)
WEIGHT:	5.4 Kg / 11.9 lb
DIMENSIONS:	Length/Width: 125mm / 4.92" Height: 181.2mm / 7.13"
INGRESS PROTECTION:	IP 66
AMBIENT TEMPERATURE:	-40 to +70
HUMIDITY:	≤ 95% RH

Electrical Specifications

POWER SUPPLY:	≤48v Dc or 100-240v Ac (50/60 Hz), ≤25W
TERMINATION:	Accepts upto ≤ 2.5mm² incorporating rising clamp protectors
CABLE ENTRY:	4 x M20 or M25.
	For 1/2" or 3/4"NPT requirements, male/female adapter glands are available. Contact sales dept for further part codes.

Dimensions:

90 mm / 3.55 in · 90 mm / 3.55 in · 44 mm / 1.73 in

125 mm / 4.92 in · 101 mm / 3.98 in · 125 mm / 4.92 in · 101 mm / 3.98 in

Tag Label

Fixing Hole 4 X Φ 5.5mm / 4 X Φ 1/4"

Accessories

50023:	Cage Guard (Stainless Steel)
50210:	M20 E1EX Stainless Steel Gland **(Multi Armour Cone) Atex Cat 2 & 3, EExde IIC 2 GD Cable ID 11 - 15.5mm OD 14.5 - 21mm Gland for Multi Armoured Cable ***
50211:	M20 A2EX Stainless Steel Gland **Atex Cat 2 & 3, EExde IIC 2 GD Cable OD 11 - 15.5mm Gland for Unarmoured Cable ***
50212:	M20 E1EX-QS Stainless Steel Gland **(Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC) Cable OD 14.5 - 20.5mm Barrier Gland for Steel and Aluminium Armoured Cable ***
50213:	M20 A2EX Quick Stop Stainless Steel Gland **(Ex d IIC, Ex nR IIC, Ex tb IIC) Cable OD 9 - 15mm Barrier Gland for Unarmoured Cable ***
50214:	M20 Stainless Steel Stopping Plug **Atex EExde I/IIC Standard M20 Blanking Plug**
50221:	Epoxy Minute Adhesive 24m/l tube **One tube sufficient for five barrier glands**
*	**15mm Thread length for Stainless Steel products**
Note:	**M25 options available for the above**

BC125 Series > Working Current

Xenon

ENERGY	12v Dc	24v Dc	48v Dc	110v Ac	220v Ac
5 J	460 mA	280 mA	140 mA	60 mA	35 mA
10 J	850 mA	490 mA	250 mA	100 mA	60 mA
15 J	1200 mA	700 mA	360 mA	140 mA	80 mA
20 J	N/A	960 mA	480 mA	180 mA	110 mA

LED

POWER	12v Dc	24v Dc	48v Dc	110v Ac	220v Ac
5 W	530 mA	260 mA	120 mA	80 mA	40 mA
10 W	1100 mA	530 mA	240 mA	160 mA	80 mA