DATASHEET - BC 100 INDUSTRIAL/MARINE SAFE AREA BEACON/LIGHT

AUDIBLE & VISUAL SIGNALLING EQUIPMENT

DESCRIPTION BC100 Industrial/Marine Safe Area Beacon & Light was designed according to EN 54 standard. Enclosure material is flame retardant polycarbonate. It is suitable for outdoor safe area application.
It especially applies to Oil & Gas, Chemical, Petrochemical, Refinery, Marine and Offshore Industries etc. for outdoor safe areas.It can be used for Fire Alarm, Gas Detection, Fire Fighting and Industrial Automation Failures and Emergency Alarm System.

It has telephone initiated function and can be used as the second ring output indicator of industrial telephones as well which apply to special locations where the environment is noisy on the engineering site.

Different flash or rotary frequency can be adjusted from unique design. Three working statuses-flash type, rotary type and steady type are available (LED).

Various colors are selectable for lens cover from Red, Amber, Blue, Green to Clear. Other colors are also available upon customer's request.

• Industrial/Marine Safe Area • IP 66 • Flame Retardant Polycarbonate Enclosure and Lens Cover • Xenon or LED Option • Xenon: 2.5, 5 or 10J • LED: 2.5, 5 or 10W • 3 Stages of Alarm Light Output • Flashing Frequency Adjustable • Telephone Initiated Function • 5 Lens Colors: Red, Amber, Blue, Green and Clear • 12-48 V DC or 100-240V AC Version • Wall Mounting • Standard: EN54

INTENDED USE

	• Industrial/marine safe area

ORDER INFORMATION - BC100 - INDUSTRIAL/MARINE SAFE AREA BEACON/LIGHT

PRODUCT NUMBER: BC 100 +

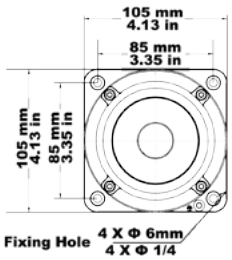
LENS COLOUR	TYPE	TUBE (XENON)	POWER (LED)	VOLTAGE	DUTY LABEL	TAG LABEL	CABLE ENTRY	FINISH COLOUR	TELEPHONE INITIATED
R = RED	X= XENON	02 - 2.5J	02 - 2.5W	DC- 12 ~48V	Y = YES	Y = YES	A-M20	BL= BLACK	Y=YES
A=AMBER							B-M25	RD = RED	
B = BLUE		05 - 5J	05 - 5W				C-½NPT	OR =OTHER	
G =GREEN	L = LED			AC- 100 ~240V	N = NO	N = NO	D-¾NPT		N =NO
C =CLEAR		10 - 10J	10 - 10W				O-OTHER		
O =OTHER									

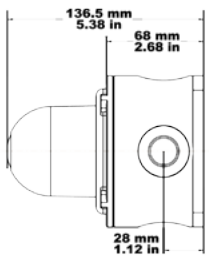
ORDER INFORMATIONC & DIMENSIONS - BC100 - INDUSTRIAL/MARINE SAFE AREA BEACON/LIGHT

MODEL CONFIGURATOR

BC100 [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]

- Telephone initiated
- Finish Colour
- Cable Entry
- Tag label
- Duty label
- Voltage
- Power (LED)
- Tube (XENON)
- LED or XENON
- Lens Colour
- Product model





SPAREPARTS & ACCESSORIES

Xenon PCB (DC)	50060400621	ØED PCB (DC)	50060400611

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TECHNICAL INFORMATION - BC100 - INDUSTRIAL/MARINE SAFE AREA BEACON/LIGHT

TYPE	• Xenon or LED
XENON	• 2.5, 5 or 10 Joule
LED	• 5 or 10 Watt
EFFECTIVE CANDELA (XENON) *	• 2,5 Joule: 67Cd 5 Joule: 109 Cd 10 Joule: 293Cd
PEAK CANDELA (XENON) *	• 2,5 Joule: 28 513 Cd 5 Joule: 35 970 Cd 10 Joule: 66 804Cd
EFFECTIVE CANDELA (LED) *	• 5 W: 128 Cd 10 W: 312 Cd
MULTIPLYING FACTOR OF COLORED LENS COVER	• Amber: 0,51 Green: 0,49 Red: 0.15 Blue: 0,12
WORKING STATUS	• Xenon: Flashing LED: Flashing, rotating or steady
FLASHING RATE (XENON)	• 60/80/120 Times/min 100/120/150 Times/min 120/150/180 Times/min
FLASHING RATE (LED)	• 60/75/100 Times/min 75/95/120 Times/min
ROTATING RATE (LED)	• Same as Flashing (LED)
AMBIENT TEMPERATURE	• -40 to + 70° C
HUMIDITY	• ≤ 95% RH
MECHANICAL SPECIFICATION:	
MATERIAL	• **Enclosure:** Flame Retardant Polycarbonate **Lens Cover:** Flame Retardant Polycarbonate
LENS COLOUR	• Red, Amber, Blue, Green, Clear or Other
ENCLOSURE FINISH COLOUR	• Red, Black or Other
INGRESS PROTECTION	• IP 66
WEIGHT	• 0,5 kg / 1,1 lb
DIMENSIONS	• Length: 100 mm / 3.94" Width: 100 mm / 3.94" Height: 136.5 mm / 5.37"
ELECTRICAL SPECIFICATION:	
POWER SUPPLY	• 12-48V DC or 100-240V AC
TERMINAL	• ≤ 2,5mm² Cable
CABLE ENTRY	• ≤ 20mm² (customer open)

WORKING CURRENT

LED

Power	12V DC	24V DC	48V DC	110V AC	220V AC
5W	530mA	260mA	120mA	80mA	40mA
10W	1100mA	530mA	240mA	160mA	80mA

XENON

Energy	12V DC	24V DC	48V DC	110V AC	220V AC
2,5J	220mA	150mA	80mA	45mA	25mA
5J	460mA	280mA	140mA	60mA	35mA
10J	850mA	490mA	250mA	100mA	60mA

INTENDED USE

- Industrial/marine safe area

* Candela Presents Clear Lens @ 1Hz Flash Rate

THE MEANING OF LENS COLOR USAGE IN THE INTERNATIONAL STANDARD (IEC 60073)

COLOUR	MEANING	ACTION	EXAMPLE
RED	EMERGENT	DANGEROUS STATE, TAKE IMMEDIATE ACTION	• Pressure/Temperature beyond the safe state • Shutdown due to the action of protective devices • Fire alarm • Equipment failure alarm • Danger of contact with live or moving parts
AMBER	ABNORMAL	ABNORMAL STATE, NEAR THE CRITICAL STATUS	• Pressure/Temperature above the normal range • Protective device is released • Toxic and harmful gases release alarm • Overload when only withstand for a short time
GREEN	SAFE	NORMAL STATE	• Pressure/Temperature in normal state • Automatic control system is operating normally
BLUE	MANDATORY	REQUIRES OPERATOR'S ACTION	• Emergency evacuation • Abandon rescue and escape • Abandon platform or abandon ship • Enter the command
CLEAR	NO SPECIAL SIGNIFICANCE	OTHER STATE, WHEN THERE IS UNCERTAINTY FOR OTHER COLORS, CLEAR IS ALLOWED TO BE USED	• General information • Can't exactly use red, yellow, green or blue • Used for the implementation of command • Indicate the measured values