

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

AUDIBLE & VISUAL SIGNALLING EQUIPMENT

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	• ≤ 2,5mm ² Cable
CABLE ENTRY	• ≤ 20mm ² (customer open)
WORKING CURRENT	

INTENDED USE

- Industrial/marine safe area

* Candela Presents Clear Lens @ 1Hz Flash Rate

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

XENON	Energy	XENON					
		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	

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

