

Rotating beacons

BGC500-HI • COMPACT MARINE HIGH DEFINITION ROTATING BEACON



The BGC500-HI is a high-quality and high-intensity rotating beacon due to its high intensity lamps.

It has a medium focal distance, it is lightweight, compact and designed for being AC sourced but due to its low consumption it is suitable to use Solar Power System Providing nominal ranges up to 25 n.m.,

it may be used as a long-range landfall light. Its design and the quality of its materials make it specially suited where durability and resistance to adverse and severe marine environment are required.

Features

- Heavy-duty lantern with cylindrical glass cover of high optical quality, 500 mm diameter.
- High-efficiency acrylic moulded Fresnel lenses, 200 mm focal distance x 500 mm height, type ODA200.
- Hexagonal & octagonal optical arrays.
- Integral bird spike
- Constructed in marine-grade resistant materials.
- DC direct-drive stepping motor, with two operating systems for selection: continuous or activated via photocell.
- Microprocessor controlled, smart user-friendly software.
- Unsurpassed stability & reliability.
- Rotational speed programmable, from 0.5 to 10 rpm.
- Electronic ballasts for lamps, to increase considerably life of lamps and their capacity.
- CLC Series automatic lamp changer for high intensity discharging lamps.
- Easy transportation & installation.
- Minimum operating and maintenance assistance.
- Status and alarms of motor, batteries and LED's cluster for monitoring and remote control.
- AC / DC power supply.
- Ideal for solar powered installations.

Range of lamps

- Halogen metallic discharge lamps, 120 or 220 V AC, 12,000 life hours.
- Xenon discharge lamps, 12 V DC, 6,000 life hours.

Technical specifications

- Nominal visibility ranges up to 25 n.m. ($T = 0.74$).
- 500 mm diameter, high optical quality glass lens cover.
- Light colours available in clear, red and green (according to IALA Recommendations).
- Fine electronic speed adjustment. Accuracy better than 0.2 %.
- Beacon consumption: 159 mA @ 1 rpm. + lamp current.
- Watertightness degree: IP-66.
- Electromagnetic compatibility CE
- Net Weight: 66 kg.
- Shipping Data: 60 x 60 x 110 cm (0,396 m³) 81 kg (wooden).

BGC500-HI	Fixed intensity (Cd)	Hexagonal array								
		Effective intensity (Cd)								
Lamps		Rotation speed (rpm)								
		0.5	0.66	1	1.5	2	4	6	8	10
HI 35 W / 220 V	442.000	335.616	311.679	270.658	226.768	195.126	125.230	92.202	72.960	60.363
HI 70 W / 220 V	575.000	460.000	432.331	383.333	328.571	287.500	191.667	143.750	115.000	95.833
HI 150 W / 220 V	759.000	639.158	608.417	552.000	485.760	433.714	303.600	233.538	189.750	159.789
XL 35 W / 12V	1.500.000	937.500	837.054	681.818	535.714	441.176	258.621	182.927	141.509	115.385

BGC500-HI	Fixed intensity (Cd)	Octogonal array								
		Effective intensity (Cd)								
Lamps		Rotation speed (rpm)								
		0.5	0.66	1	1.5	2	4	6	8	10
HI 35 W / 220 V	414.000	314.640	292.199	253.742	212.595	182.930	117.403	86.440	68.400	56.590
HI 70 W / 220 V	535.000	428.352	402.586	356.960	305.966	267.720	178.480	133.860	107.088	89.240
HI 150 W / 220 V	676.000	569.432	542.044	491.782	432.768	386.400	270.480	208.062	169.050	142.358
XL 35 W / 12 V	1.220.000	762.500	680.804	554.545	435.714	358.824	210.345	148.780	115.094	93.846

These luminous intensities apply to white light.

For red light, multiply by 0.32

For green light, multiply by 0.32.

