

SOLAR REGULATORY BUOY

MODEL: LL-BUOY-P



120
Lumens



Solar Powered Regulatory Buoy Model: LL-BUOY-P

The world's first Solar Powered Silhouette Illuminating Buoys are the safest available. Not only can you see the buoy at night, but you can actually read the message! The fun doesn't stop there! This unit is equipped with Lake Lite's new patent pending magnet technology! Swipe the magnet over the solar panel at night to change between 7 brightness levels for user adjustable brightness and run times. Hold the magnet for 5 seconds and you can change between White, Blue, or Amber illuminating LEDs! That's right a simple swipe and you can adjust the brightness/run time and buoy's illuminating color!

The powerful solar panel collects the sun's energy during the day. At night the integrated circuit automatically turns on the super bright LED which illuminates the entire body of the buoy. The labels create shadows of the message, logos and bands, that allow boaters to visibly read the buoy's message at night.

LIGHT CHARACTERISTICS

Light Source	24-Ultra-High intensity LEDs. (8-White, 8-Blue, 8-Amber)
Lumens output	35/70/90/120 Lumens *Varies with Color & Power / Brightness Settings
Available LED Colors	WHITE, AMBER & BLUE
Light Mode Options	Constant
Visible Range	1- 2+ Nautical Mile *Varies with LED color & Brightness Settings
Horizontal Output (degrees)	360 Deg.
Vertical Divergence (degrees)	100-180 Deg. Various with Mounting
LED Life Expectancy (hours)	> 100,000 hrs

ELECTRICAL CHARACTERISTICS

Circuit Protection	Integrated
Nominal Voltage (v)	3.2v
Autonomy (hours)	18-20hrs *On full Charge *Varies With Brightness Settings & Conditions
Temperature Range	-10 to 70 C

SOLAR CHARACTERISTICS

Solar Module Type	Multicrystalline or Monocrystalline
Power (watts)	2.2w
Solar Module Efficiency (%)	16-17%

POWER SUPPLY

Battery Type	High Capacity LiFePo4
Battery Size	3pcs Parallel LiFePo4
Battery Capacity (mAh)	3000mAh
Nominal Voltage (v)	3.2v
Battery Service Life	3-6 years (Varies with local Environment)
Battery Service Access	Yes: User Changeable / Replaceable

PHYSICAL CHARACTERISTICS

Body Material	ASA Composite
Lens Material	UV-Stabilized Polycarbonate
External Lens Design	Horizontal Lenticular
Internal Lens design	Vertical Lenticular
Water Proof Rating	IP 68
Height	52"
Width / Diameter	10"
Weight	28 lbs

* Information subject to change without notice



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