



2500mm DIAMETER LIGHTED, ROTATIONALLY MOLDED BUOY MODEL PMP-2500

The BL-2.5P Lighted Rotationally Molded buoy is designed for exposed locations, shallow water, fairways and for river applications. If the customer does not wish to use PU foam filling on environmental grounds then the buoy can operate without this filling.

Related/Optional Equipment

Lanterns:	FA-249 LED Lantern WOA (Wide Open Angle) Lantern Self-Contained Lantern Flickering Lantern
Horn:	LIEX 710/051
Radar Beacon:	Phalcon-2000
Weather Report:	WX-Pro with AIS
Monitoring Systems:	AIS - Atonis System GSM Cell Phone Monitoring System DGPS – Differential GPS Positioning System
Synchronization:	Uniflash III Wireless
Top Mark:	Mounted Duplex Lantern Stand
Solar Power System:	Various Outputs - Dual & Triple Winged Available
Solar Batteries (Up to 4):	12V 115 AH Maintenance-free, Sealed, Deep Cycle, Lead Acid
Solar Battery Box:	Mounted Externally on Bell Stand
Battery Box Capacity:	(2) 12V 115AH Batteries
Mooring Bridle:	32mm (1 ¼")
Mooring Chain:	32mm (1 ¼")
Sinker:	3 Tons



Features

- Buoy hull and daymark panels are constructed of Rotationally Molded Linear Polyethylene (PE) of the required signal color
- Buoy hull is built from 4 independent segments which are filled with polyurethane foam*
- Structural members are stainless steel and the ballast is in the form of a galvanized steel skirt
- A PE tower contains the batteries and radar reflector, and it also provides the mounting for the solar panels, the lantern and racon (if required)
- Batwing type daymarks can be carried if a larger daymark surface area is required - these can be in can, cone or spherical form
- Lateral or cardinal IALA topmarks can also be carried
- Buoys are constructed as three modules (tower, hull, and counterweight)
- Battery is mounted within the base of the buoy superstructure tower

SPECIFICATIONS

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Physical Characteristics (No Mooring)

Buoy Length (Skirt Base to Tower Top):	5,500 mm (216.5")
Buoy Weight:	1,480 kg (3,263 lbs.)**
Buoy Draft:	1,000 mm (39.4")
Focal Height of Light:	4,500 mm (177.2")
Freeboard:	1,400 mm (55.1")
Immersion:	47.3 kg/cm (104 lbs.)
Reserve Buoyancy to Maintain 500mm Freeboard:	4350 kg (9,590 lbs.)

Operational Characteristics (Nominal)

Daymark Area Body and Tower with Batwing Marks:	5.65 m ²
Can:	9.05 m ²
Cone:	8.25 m ²
Sphere:	10.1 m ²
Daymark Visual Range:	5.1 NM
Radar Range:	5.0 NM
Mooring Depth (Min.):	5 m
Mooring Depth (Max. w/ Chain):	55 m (180.4 ft.)

*Specifications subject to change without notice.

**Large reserve buoyancy allows ballast to be increased to meet needs of heavy AtoN or special stability requirement such as 2 heavy personnel working at tower top (USCG)

