

# 2500 mm DIAMETER LIGHTED ROTATIONALLY MOULDED BUOY

## Model BL-2.5P

The BL-2.5P Lighted Rotationally Moulded buoy is designed for exposed locations, shallow water, fairways and for river applications. The buoy hull and daymark panels are constructed of Rotationally Moulded Linear Polyethelene (PE) of the required signal colour. The 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. 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). The battery is mounted within the base of the buoy superstructure tower.

### Physical Characteristics (no mooring)

Buoy Length	5500 mm
skirt base to tower top	
Buoy Weight	1480 kg **
Buoy Draft	1000 mm
Focal Height of Light	4500 mm
Freeboard	1400 mm
Immersion	47.3 kg/cm
Reserve Buoyancy	4350 kg
to maintain 500mm freeboard	

### Related Equipment

Lantern	FA-249LED
LED Controller	AM-6
	256 Codes
Batteries - QTY. can be 4	12V, 115 AH
Mooring Bridle	32 mm
Mooring Chain	32 mm
Sinker (concrete)	3 ton

### Operational Characteristics (nominal)

Daymark Area body and tower	5.65 m.sq
with batwing daymarks can	9.05 m.sq
cone	8.25 m.sq
sphere	10.1 m.sq
Daymark Visual Range	5.1 nm
Radar Range	5.0 nm
Mooring Depth (min.)	5.0 m
Mooring Depth (max. w/chain)	55 m

If the customer does not wish to use PU foam filling on environmental grounds then the buoy can operate without this filling

\*\* 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 )

