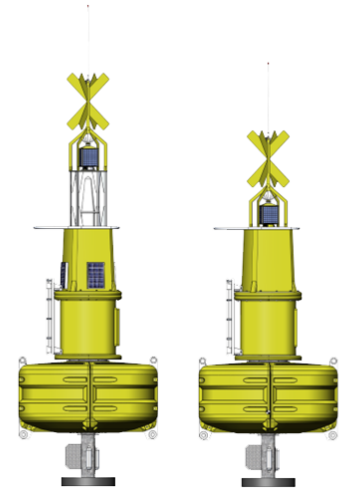


SB-2.2 Buoys

Sentinel® Buoy

The SB-2.2 has a fully modular design which is configurable to meet most of the demands of our customers. Manufactured using the latest raw materials and construction methods, the buoy is fully compliant with IALA Guidelines. Polyethylene float sections form the heart of the buoy giving it physical strength that resists damage. The buoy's unique design and controlled manufacturing process ensure a homogeneous profile with an increased thickness in high stress areas.



KEY FEATURES

- Lantern Guard and Topmark (all IALA Standard Options)
- Facility to place Marine Lantern with standard 200mm PCD mounting Pattern
- Access Ladder and Man guard included
- Rudder for increased stability in high currents included as standard
- Extra low Centre of Gravity, below the water line even without chain weight, providing an extremely stable Buoy design.
- Nameplate options available
- Fully maintenance friendly design – Float Sections, Tower sections, Central Core and Lifting and Mooring Eye Sections can all be held as spare parts and the Buoy repaired as necessary, removing the need to hold complete spare buoys in stock, or to buy complete new buoys on a regular basis.
- Integrated AIS included within Tideland Signal's range of Self-Contained Solar Lanterns

PHYSICAL CHARACTERISTICS

- 4x Independent Hull Sections, removing the need to fill the hull with foam. This is the environmentally friendly solution, if the buoy is damaged the foam will not spill into the water, reducing harm to aquatic life and plastic pollution.
- Plastic Hull Sections are made from LLDPE or MDPE Plastic and are 15mm thick as standard. (option for other wall thickness available upon request)
- Two section LLDPE or MDPE Plastic Tower
- UV20 Grade Plastic
- Galvanised Steel Core, with Sacrificial Zinc Anodes.
- Stainless Steel Lifting and Mooring eyes, fully replaceable according to IALA G1006.
- 3300mm nominal Focal Plane (4200mm with extension)
- 650mm nominal Freeboard – high freeboard means it can be used with heavy chain weights in deeper waters.
- 1200mm nominal Draft – lower Draft means it can be used in deep and shallow waters

STANDARDS/CERTIFICATION

- Fully compliant with IALA recommendations and Guidelines, including the latest G1006 for the use of replaceable and maintainable lifting and mooring eyes

OPTIONAL POSSIBILITIES

- Option for Seabeacon 2 System 6 Racon (Radar Beacon), with associated battery and solar power System
- Option for external VHF Antenna if Integrated AIS is required, installed at the top of the Buoy providing maximum AIS – VHF Range

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Construction	Rotationally moulded in UV-stabilised virgin polyethylene	
Air Weight	1200	kg
Diameter	2200	mm
Focal plane height	3300	mm
optional extended focal plane	900	mm
draft	1200	mm
Freeboard	650	mm
Submergence	38,4	kg/cm
Radar reflector	10 (x band)	m ²
Radar range nominal	3 - 4	Nm
Visual surface lantern	3,2	m ²
Visual surface with racon	3,7	m ²
Surface colour	IALA	
Maximum mooring load	2300	kg
Maximum Current	6	knots

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