**Purchase Specifications for a
1200mm Fast Water Buoy**

**Overview**

This specification is for a Fast Water Buoy.

The buoy shall be rotationally-moulded using UV-stabilized, virgin polyethylene.

**1.0 General Characteristics**

The buoy shall be available in red, green, white or yellow as per IALA Recommendations.

The buoy shall have a boat hull shaped float section and be suitable for water currents up to 8 knots.

The buoy shall have a focal height of 1225 mm.

The buoy shall have a total float volume over 160 liters.

The buoy shall have a minimum freeboard of 300 mm.

The buoy shall have a maximum draft of 402 mm.

The buoy shall have a reserve buoyancy of 78 kg.

The maximum mooring load of the buoy shall be 78 kg.

The buoy shall have a safe working load of 2,300 kg.

**2.0 Physical Characteristics**

The float section of the buoy shall have a wall thickness of 9 mm.

The buoy shall have 316-grade stainless steel fixtures.

The buoy shall have a concrete internal ballast of 55 kg.

The buoy shall have a height of 1745 mm.

The buoy shall have a width of 1200 mm.

The buoy shall have a mass of 142 kg.

The life expectancy of the buoy shall be up to 12 years.

The buoy shall be compatible with the following Sealite lanterns: SL-15, SL-60, SL-70, SL-75

The buoy shall be completely filled with a closed cell polyurethane foam.

**3.0 Options**

The buoy shall be offered with the following options available from the manufacturer:

* Mould-in graphics
* Day marks

**4.0 Certifications**

The manufacturer shall be ISO9001:2015 certified.

The manufacturer must be a current IALA Industrial Member.

The manufacturer must supply an independently certified Compliance Certificate complying with IALA Guidelines NO: 1006, on plastic Buoys.

**5.0 Warranty**

The buoy shall have a five (5) year warranty.