

## FEATURES & BENEFITS

- Designed to meet the stringent requirements of the Canadian Coast Guard
- High quality, UV20+ stabilized polyethylene with uniform wall thickness ensures a robust life expectancy of 20+ years
- Seamless one-piece construction provides a watertight product
- Low temperature impact resistance expands suitability for harsh environments
- Refined EPS foaming process with over 30 years of experience significantly reduces risk of sinking and environmental contamination
- Free of internal voids prevents significant water ingress and produces superior structural integrity

White with optional signage



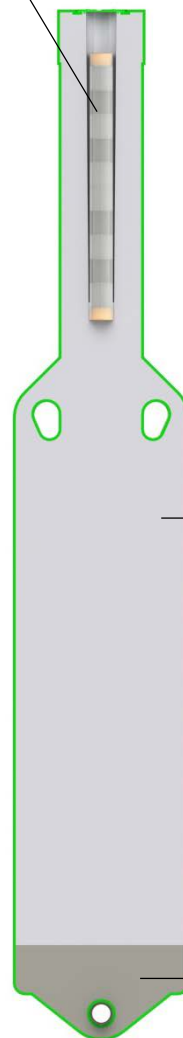
Optional radar reflector



### Optional Features:

- IALA colours & markings
- Conical top
- Solar lantern
- Tamper proof attachment hardware
- Control symbols & lettering
- Radar reflector
- Reflective tape

EPS filled



Concrete ballast

Stainless steel bushing

Note: actual radar reflector may differ from the radar reflector shown in the renderings.

### Buoy Construction

Hull	Polyethylene
Surface Finish	High Gloss
Foam Fill	16 kg/m3 Polystyrene
Retroreflective Area	Yes
Optional Radar Reflector	NPL RR02
Life Expectancy	20+ Years
Warranty Period (Extensions available for purchase)	3 Years

### General Specifications

Overall Height	216.3 cm / 85.2"
Hull Diameter	36.8 cm / 14.5"
Tower Section Diameter	18.4 cm / 7.2"
Air-Weight	36 kg / 79.4 lbs
Operational Reserve Buoyancy	41.7 cm / 44.4 kg - 16.4" / 97.9 lbs
Mooring Eye Internal Diameter	3.175 cm / 1.25"
Mooring Eye Width	5.1 cm / 2"
Lifting Eye Internal Diameter	n/a
Retroreflective Area	15.5 cm / 6.10 "
Submergence	1.065 kg/cm - 0.924 lb/in

### Performance Specifications

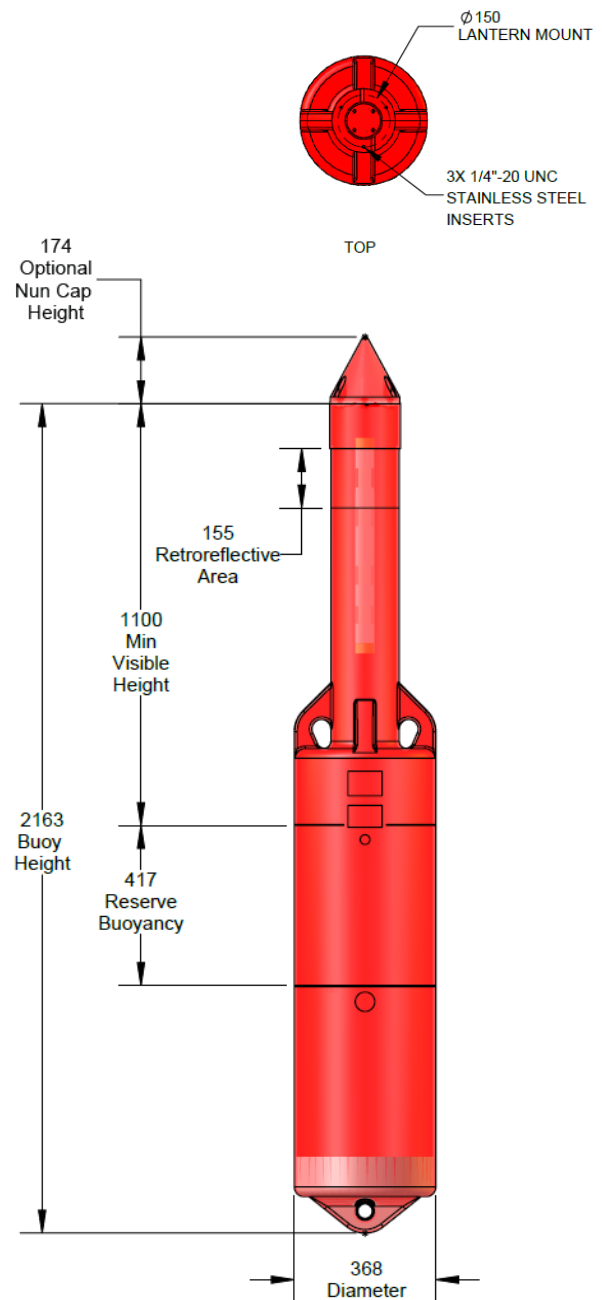
Min Visible Height / Min Focal Plane Height	110.0 cm / 43.3"
Visual Range	5.4 NM
Max Operational Buoy Tilt Angle (10m Depth)	< 3 degrees
Max Operational Buoy Tilt Angle (22.5m Depth)	< 3 degrees
Min Mooring Load	20 kg / 44.1 lbs
Max Mooring Load	55 kg / 121.3 lbs
Optional Radar Cross Sectional Area	2 m2 / 21.5 sq. ft.
Radar Range	0.5 NM

### Environmental Conditions

Air Temperature	-2 C / 28.4 F to +50 C / +122 F
Water Temperature	-40 C / -40 F to +40 C / 104 F
Operational Wind Speed	0 to 40 knots
Survival Wind Speed	80 knots
Operational Current Speed	0 - 2.0 knots
Survival Current Speed	10.0 knots
Exposure to Ice	Light

### Material Specifications

Buoy Shell	Rotationally Moulded Compounded Polyethylene with UV20+ Protection Package
Load Bearing Internal Linking the Mooring Eye to the Lifting Eye	No Internal
Lifting Break Load	No Internal
Foam Fill	Closed Cell Polystyrene Fused In Situ Block with 16 kg/m3 Density
Colour Options	Standard IALA Colours Available in Accordance with IALA Specification E-108
Lantern Bolt Circle Inserts	Brass
Mooring Eye Bushing	Stainless Steel
Internal Ballast	Concrete



Note: actual radar reflector offered may differ from the radar reflector shown in drawings/renderings.

All figures are based on pre production CAD drawings and are rounded values. Moulded features are subject to a +/- 1.5% tolerance.