

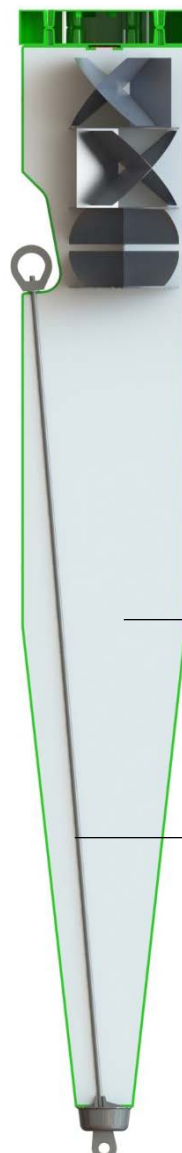
FEATURES & BENEFITS

- 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

Modular top piece provides the option for installing a larger radar reflector

Stainless steel lifting eye

Stainless steel mooring attachment point



Optional Features:

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

EPS filled

Stainless steel internal

Note: actual radar reflector may differ from the radar reflector used in the rendering.

Buoy Construction

Hull	Polyethylene
Surface Finish	High Gloss
Foam Fill	16 kg/m3 Polystyrene
Retroreflective Area	Yes
Optional Radar Reflector	NPL RR20
Life Expectancy	20+ Years
Warranty Period (Extensions available for purchase)	3 Years

General Specifications

Overall Height	425.0 cm / 167.3"
Hull Diameter	61.0 cm / 24"
Tower Section Diameter	n/a
Air-Weight	105.5 kg / 232.6 lbs
Operational Reserve Buoyancy	92.6 cm / 270.5 kg - 36.5" / 596.3 lbs
Mooring Eye Internal Diameter	4.1 cm / 1.6"
Mooring Eye Width	2.5 cm / 1"
Lifting Eye Internal Diameter	10.2 cm / 4"
Retroreflective Area	20.5 cm / 8.1"
Submergence	2.921 kg/cm - 2.535 lb/in

Performance Specifications

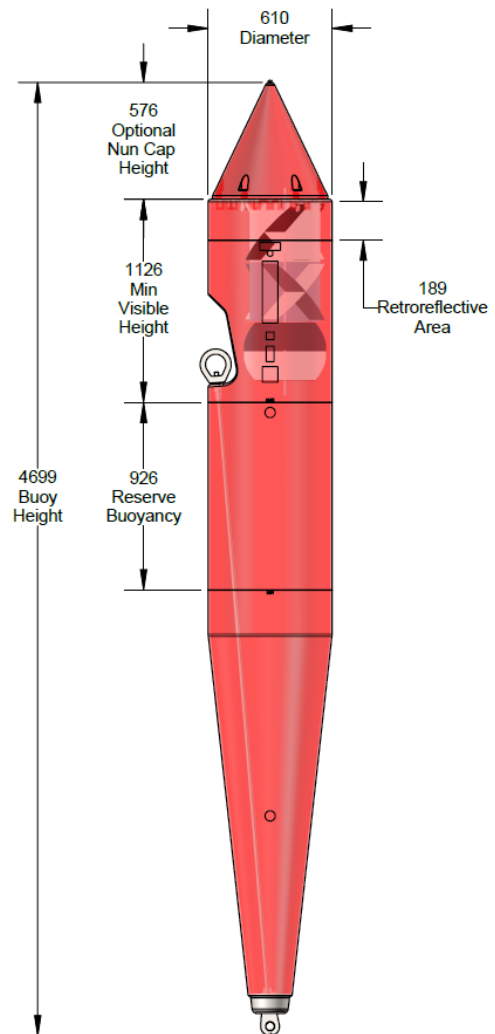
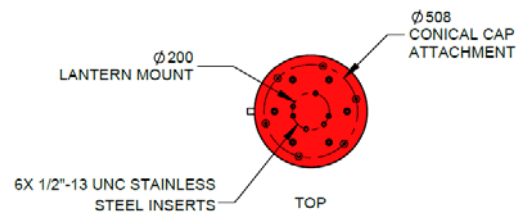
Min Visible Height / Min Focal Plane Height	112.6 cm / 44.3"
Visual Range	5.4 NM
Max Operational Buoy Tilt Angle (10m Depth)	< 3 degrees
Max Operational Buoy Tilt Angle (22.5m Depth)	< 3 degrees
Min Mooring Load	200 kg / 440.9 lbs
Max Mooring Load	450 kg / 992.1 lbs
Optional Radar Cross Sectional Area	32 m2 / 344.5 sq. ft.
Radar Range	> 2.0 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	Stainless Steel
Lifting Break Load	18,098 kg / 39,900 lbs
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
Fasteners, Bushings and Inserts	Stainless Steel
Mooring and Lifting Attachment Points	Stainless Steel
Internal Ballast	n/a



Note: actual radar reflector may differ from the radar reflector used in the rendering.

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