



FEATURES & BENEFITS

FEATURES

- Manufactured to stringent Coast Guard requirements
- Design disperses mooring loads throughout structure
- Rugged 10mm wall thickness in MDPE
- Proprietary IALA E108 Compliant colour with UV-20 protection package
- Foam filled core, will not sink if punctured or damaged
- 316 Stainless steel inserts for Top Marks and Lantern attachment
- 316 Stainless steel lifting eye with fixed connection to mooring eye
- 316 Stainless steel mooring eye
- Conformance to IALA Recommendations
- Available in Lateral, Cardinal, Isolated Danger, Safe Water and Special Mark

BENEFITS

- Large cost effective Spar buoy for marking inshore channels
- Large durable single float construction
- Designed to withstand harsh Canadian weather conditions
- Good inshore Visual Target Area with a 1.25 NM visible range
- Good inshore Radar Detection [10m² (Avg at +/- 3 deg.)]
- Optional Top Marks and Lantern attachment
- 316 stainless steel hardware and lifting eye
- Can be deployed from small vessel
- Ultra-low maintenance and does not require sand-blast and painting

SPECIFICATIONS

GENERAL SPECIFICATIONS

Diameter	0.61 m
Overall Height	4.20 m
Mass	100 kg
Submergence	3.0 kg/cm

PERFORMANCE SPECIFICATIONS

Focal Plane Height (Maximum)	2.03 m
Draught (Minimum)	2.17 m
Reserve Buoyancy (at max FP)	300 kg
Minimum Mooring Weight	235 kg
Maximum Mooring Weight	450 kg
Visual Area/Surface (at max FP)	1.00 m ²
Visual Range (at max FP)	1.25 NM
Radar Reflector (Optional)	Double 12" Octahedral (10 m ²)
Radar Range	1.50 NM

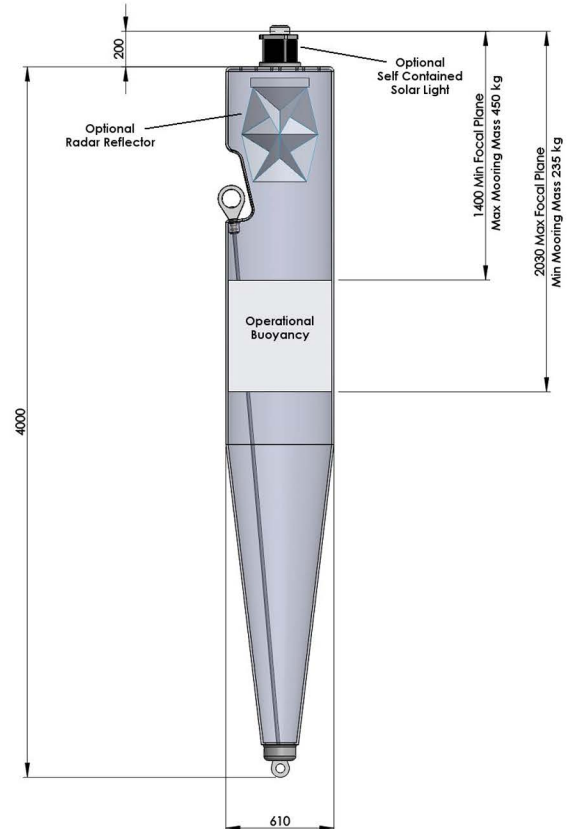
OPERATING CONDITIONS

Air Temperature Range	-40 C to +50 C
Water Temperature Range	-2 C to +50 C
Operational Current	0 to 2 knots
Survival Current Speed	6 knots
Operational Wind Speed	0 to 30 knots
Survival Wind Speed	80 knots
Operational Wave Height	2.00 m
Survival Wave Height	5.00 m

MATERIAL SPECIFICATIONS

Topmark (Optional)	N/A
Daymark Structure	N/A
Core Structure	N/A
Lifting and Mooring Structure	316 stainless steel mooring lug
Lifting Break Load	12465 kg
Buoy Hull	Rotationally molded virgin MDPE with UV20 protection package
Wall Thickness	10 mm
Foam Filling (Optional)	Closed cell EPS fused in situ block
Colors	IALA compliant colors in accordance with IALA Specification E108
IALA Compliance Testing	Independent laboratory test results available
Colorfastness Test Procedure	Xenon Arc Accelerated Weathering per ASTM D-2565
Colorfastness Testing	Independent lab test results available per ASTM D-2244
Product Life Expectancy	> 20 years
Warranty	5 years

GENERAL ARRANGEMENT



Ask about our full line of topmarks and self-contained solar lanterns!



Proud member of the International Association of Lighthouse Authorities.

IALA aims to foster the safe and efficient movement of vessels through the improvement and harmonisation of marine aids to navigation worldwide, and by other appropriate means.