

## FEATURES & BENEFITS

### FEATURES

- Manufactured to stringent Coast Guard requirements
- Capable of withstanding high current conditions
- Design disperses mooring loads throughout structure
- Rugged 12mm 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 mooring eye
- Conformance to IALA Recommendations
- Available in Lateral, Cardinal, Isolated Danger, Safe Water and Special Mark

### BENEFITS

- Ideal low cost option for marking inshore channels
- Durable single float construction
- Conical bottom provides superior performance in swells
- Designed to withstand harsh Canadian weather conditions
- Good inshore Visual Target Area with a 1.45 NM visible range
- Good inshore Radar Detection [10m<sup>2</sup> (Avg at +/- 3 deg.)]
- Optional Top Marks and Lantern attachment
- No mooring points for recreational boaters can be an advantage
- Can be deployed from small vessel
- Deployment and retrieval by mooring chain
- Ultra-low maintenance and does not require sand-blast and painting

# SPECIFICATIONS

## GENERAL SPECIFICATIONS

Diameter	1.22 m
Overall Height	3.09 m
Mass	135 kg
Submergence	11.8 kg/cm

## PERFORMANCE SPECIFICATIONS

Focal Plane Height (Maximum)	2.35 m
Draught (Minimum)	0.76 m
Reserve Buoyancy (at max FP)	1000 kg
Minimum Mooring Weight	200 kg
Maximum Mooring Weight	675 kg
Visual Area/Surface (at max FP)	2.00 m <sup>2</sup>
Visual Range (at max FP)	1.45 NM
Radar Reflector (Optional)	Double 12" Octahedral
Radar Range	1.50 NM

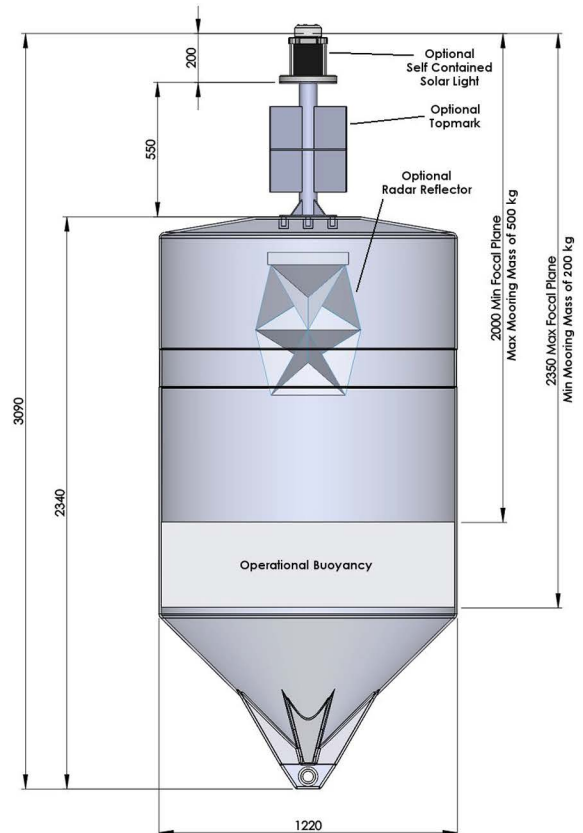
## OPERATING CONDITIONS

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	10 knots
Operational Wind Speed	0 to 30 knots
Survival Wind Speed	80 knots
Operational Wave Height	3.00 m
Survival Wave Height	9.00 m

## MATERIAL SPECIFICATIONS

Topmark (Optional)	Marine grade aluminum with 7 stage high performance paint
Daymark Structure	N/A
Core Structure	N/A
Lifting and Mooring Structure	316 stainless steel mooring lug
Lifting Break Load	N/A
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.