



## FEATURES & BENEFITS

### FEATURES

- Manufactured to stringent Coast Guard requirements
- Equipment compartment inside Day Mark Tower
- 316 Stainless steel inserts for Top Marks and Lantern attachment
- 316 Stainless steel hardware and bolt package
- Proprietary IALA E108 Compliant colour with UV-20 protection package
- Foam filled hull floats and structural core prevent sinking on collision
- Modular construction enables repair of collision damage
- Steel Lifting Arms available in hot-dipped galvanized or 316 stainless steel
- Proprietary HDPE structural core with anticipated 40 year useful life
- Conformance to IALA Recommendations
- Available in Lateral, Cardinal, Isolated Danger, Safe Water and Special Mark

### BENEFITS

- Ideal lower cost option for marking channels
- Extremely durable modular construction
- Proprietary HDPE structural core design
- Designed to withstand harsh Canadian weather conditions
- Adjustable ballast and mooring configurations
- Excellent performance in current speed to 4 knots
- Large Visual Target Area with a 2 NM visible range
- Superior Radar Detection [229m<sup>2</sup> (Max) ; 55m<sup>2</sup> (Avg at +/- 3 deg.)]
- Optional Top Marks and Lantern attachment
- Storage in upright standing position
- Ultra-low maintenance and does not require sand-blast and painting

## SPECIFICATIONS

### GENERAL SPECIFICATIONS

Diameter	1.50 m
Overall Height	4.49 m
Mass	680 kg
Submergence	17.6 kg/cm

### PERFORMANCE SPECIFICATIONS

Focal Plane Height (Maximum)	3.05 m
Draught (Minimum)	1.44 m
Reserve Buoyancy (at max FP)	1000 kg
Minimum Mooring Weight	100 kg
Maximum Mooring Weight	500 kg
Visual Area/Surface (at max FP)	2.10 m <sup>2</sup>
Visual Range (at max FP)	2.00 NM
Radar Reflector (Optional)	Echomax 400 (55 m <sup>2</sup> )
Radar Range	> 2.00 NM

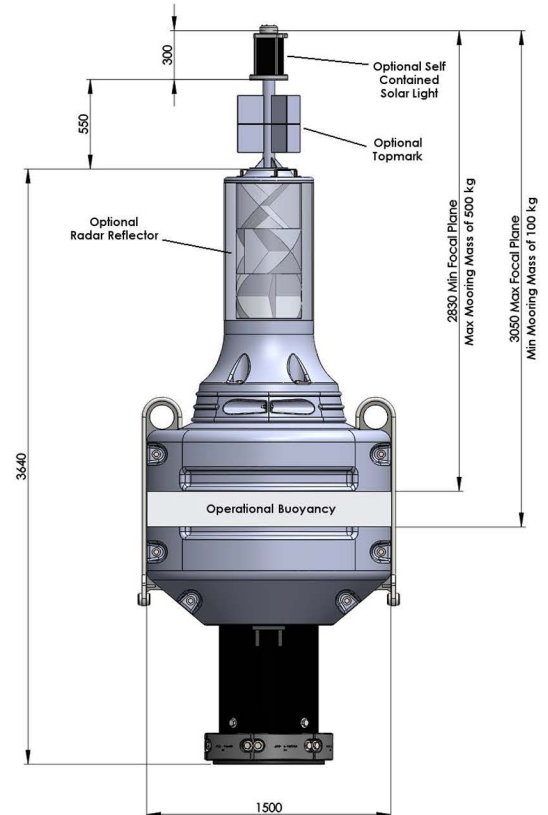
### OPERATING CONDITIONS

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	Rotationally molded virgin MDPE with UV20 protection package
Core Structure	Extruded virgin HDPE w/ 50 year carbon black protection package
Lifting and Mooring Structure	316 stainless steel mooring lug
Lifting Break Load	18545 kg
Buoy Hull	Rotationally molded virgin MDPE with UV20 protection package
Wall Thickness	16 mm
Foam Filling (Optional)	Closed cell polyurethane foam or 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!

