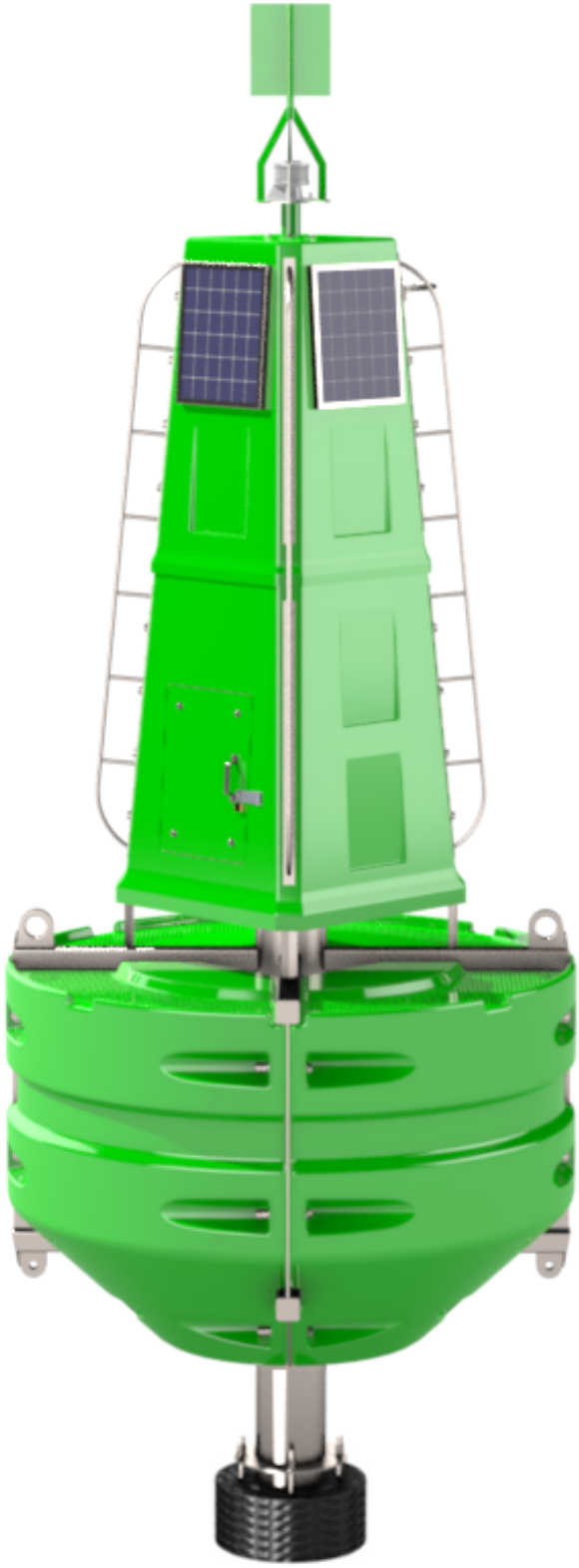
TDL 2.6 PE

NAVIGATION

OVERVIEW

The TDL 2.6 Polyethylene buoy is a modern low maintenance visual aid with a highly conspicuous superstructure providing a 4.5m focal plane. The combination of mooring bridle and adjustable counter weight provides superior performance in current up to 6 knots across a range of water depths. The conical shaped hull provides enhanced performance in wave swell at exposed deployment locations.



FEATURES

- Extremely low maintenance and durable manufactured in stainless steel and virgin UV20+ polyethylene
- Adjustable ballast system and bridle mooring configuration ensure maximum stability across a wide range of current and depth conditions
- Custom configurations are available to suit the various performance and cost requirements of the end user
- Engineered for use in current speeds of 6 knots with sustained winds of 50 knots
- High visibility superstructure can accommodate up to 500W of solar panels and provides a watertight enclosure for power systems and additional equipment
- Industry leading internal passive radar reflector with 55m2 (avg) and 229m2 (peak) RCS
- Complies with all applicable IALA recommendations and guidelines

CONTACT US

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TDL 2.6 Polyethylene

NAVIGATION

General Specifications

Summary

Diameter	2.6 m
Focal Plane Height	4.4 m
Float Volume	7.0 m3
Buoy Weight	2,400 kg
Max Mooring Weight	1,858 kg
Submergence Capacity	53.5 kg/cm

Superstructure

Material	SAE 316 Stainless Steel and Virgin UV20+ Polyethylene
Color	In accordance with IALA Recommendation R0108
Top Mark	SAE 316 SS, IALA Recommendation of shape
Lantern	Optional
Radar Reflector	Internal 55m2 (avg) 229m2 (peak) X-Band
Solar Panel	Optional
Personnel Ladder	SAE 316 SS or Anodized Aluminum
Safety Ring	SAE 316 SS or Anodized Aluminum

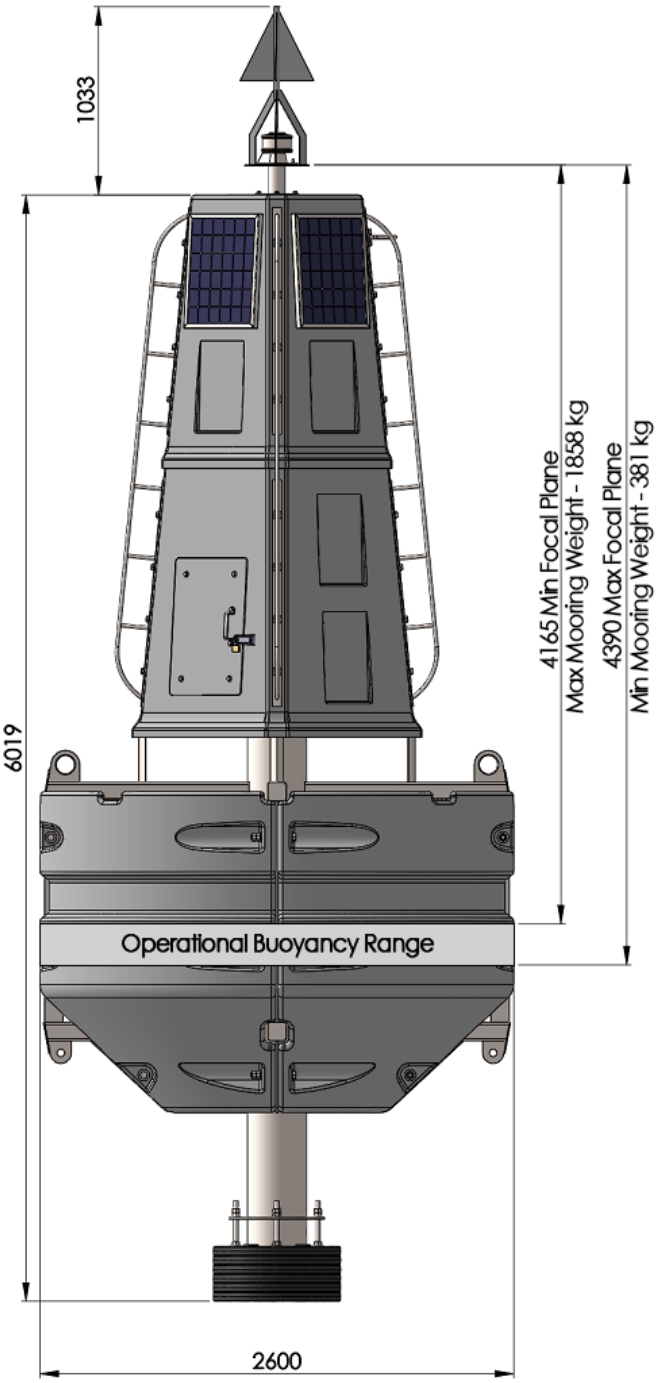
Float Section

Diameter	2.6 m
Material	Virgin UV20+ rotomolded polyethylene in 4 modular quadrants
Filling	Fused block of closed cell expanded polystyrene (18 kg/m3)
Structural Core	SAE 316 SS Frame with central core cylinder
Lifting Eyes	2 x 100mm SAE 316 SS Eyes, integral to float frame

Mooring Section

Structural Core	SAE 316 SS central core cylinder, integral to float frame
Mooring Eyes	2 x 40mm SAE 316 SS Eyes, integral to float frame
Counterweights	Cast Iron, Adjustable 100kg x 6 (std): 100kg x 8 (max)
Cathodic Protection	Sacrificial Anodes

* SS signifies Stainless Steel



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