FOAM ELASTOMER HULL
GUIA

CHARACTERISTICS AND ADVANTAGES

Strength	Hot dip galvanised steel structure with stainless steel accessories
Safety	Polyethylene closed cell foam core with elastomer skin
Lantern	Designed to operate with standalone lanterns or external photovoltaic systems from any manufacturer
Maintenance	High quality materials, stainless or galvanised steel, painted in accordance with C5-M ISO 12944 to ensure a minimum maintenance
Stability	Intrinsically stable configuration with a built-in counterweight to ensure its stability, even without a mooring
Size	Available in diameters up to 3.6 m, focal plane up to 7 m and volumes up to 22 m^3
Superestructure options	• Lattice tower manufactured from galvanised steel • Polygonal tower manufactured from stainless steel, with an integrated work platform

APPLICATIONS

- Access channels for major ports
- Offshore navigation aids
- Oil platforms
- Open sea exclusion areas
- Sewage outfalls
- Tailor-made special structures

FEATURES

Models*	G2200TW2	G2200T3	G2200TL3	G2400T3	G2400TL3	G3000T4	G3000TL4	G3600TW6
Hull volume	4.01 m^3	4.01 m^3	5.47 m^3	4.77 m^3	6.51 m^3	7.34 m^3	10.00 m^3	18.57 m^3
Complete buoy weight	1325 kg	1500 kg	1600 kg	1525 kg	1650 kg	1925 kg	2100 kg	6500 kg
FMR Load**	1400 kg	1225 kg	2133 kg	1718 kg	2793 kg	3058 kg	4726 kg	6233 kg
Focal plane	3.15 m	4.05 m	4.42 m	4.10 m	4.48 m	5.16 m	5.54 m	7.78 m

*All the models are available with W tower
**Minimum recommended freeboard (FMR)

QUALITY

Hull	Closed cell polyethylene foam over a galvanised steel central tube. Outer skin made of pigmented polyurethane elastomer with maximum UV protection and a thickness between 10 to 16 mm. Upper surface painted with a non slip paint
Galvanization	The components manufactured in carbon steel and hot dip galvanised in accordance with ISO 1460:2010 standard
Paint	Visible metal components are painted to C5-M according to ISO 12944 for marine environments, using an epoxy primer scheme and aliphatic polyurethane top coat
Colour	In accordance with IALA E -108
Galvanised protection	Anodes protect the immersed structure
Recycling	The buoy components are easily recycled with a direct re-use rate nearing 100%
Manufacture certificate	ISO 9001:2015 and ISO 14001:2015, IALA Industrial Member

CONSTRUCTION

Hull	Foam elastomer hull manufactured using 35- 50 kg/m3 density foam. Elastomer has excellent elastic properties (300% stretch). Energy absorption properties ensure the hull does not crack, even when subjected to strong impacts
Tail	Structure manufactured from galvanised steel. The tail passes vertically through the hull. A mooring eye on the lower end holds the mooring and a large load bearing surface transfers the loads to the hull
Super structure	Lattice tower manufactured from hot dip galvanised steel, with stainlesss steel topmarks and day marks. Includes a safety ring to facilitate lantern maintenance Poligonal W tower manufactured in stainless steel with an internal work platform with GRP mesh flooring Both options prepared to install battery boxes, solar panels and other equipment
Radar reflector	Multi-segmented and passive radar reflector measuring more than 10 m^2 RCS
Counterweight	Cast iron disks 70k g/unit positioned on the lower part of the tail
Screws	Stainless steel A2

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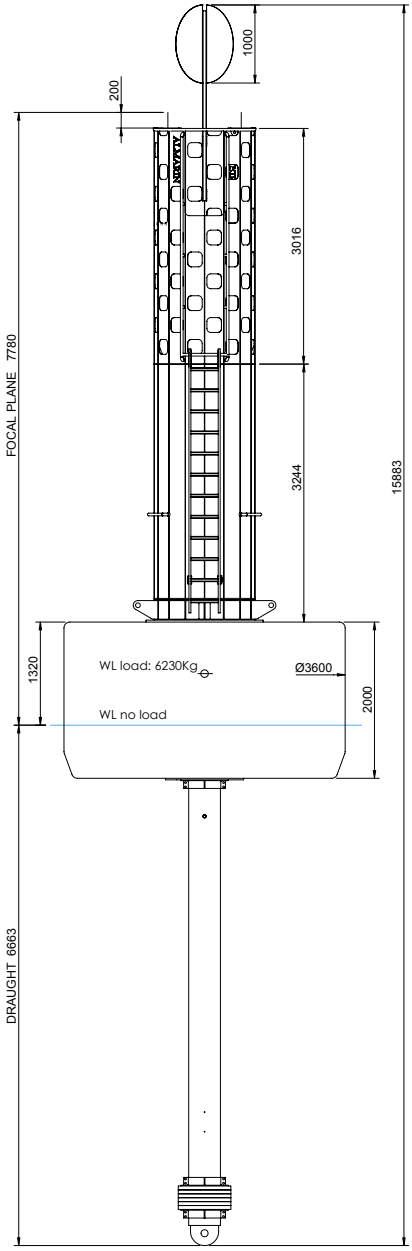
GUIA BUOYS

G3600TW6



SPECIFICATIONS WITH 6 m TOWER	
Models	G3600TW6
Hull diameter	3.60 m
Hull height	2.00 m
Displacement	95.02 kg/cm
Complete buoy weight	6500 kg
Minimum freeboard	0.66 m
FMR load	6233 kg
Focal plane	7.78 m
Counterweight	900 kg

* This data is approximate.

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