

## PBM25

### Minimum maintenance

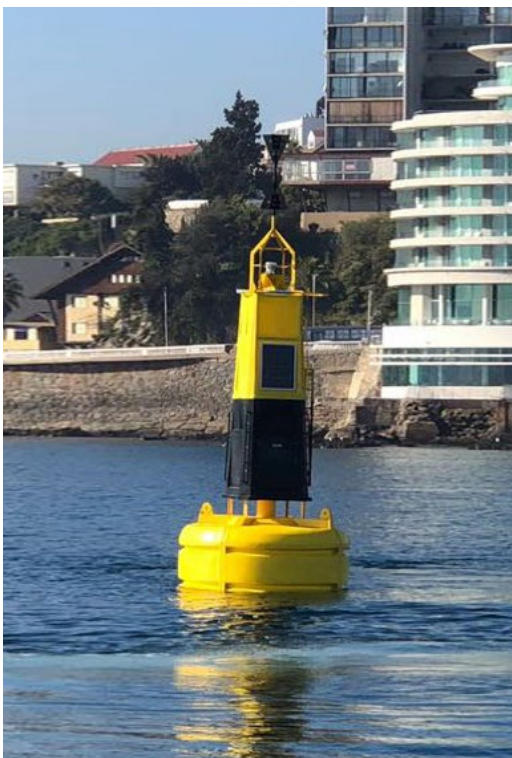
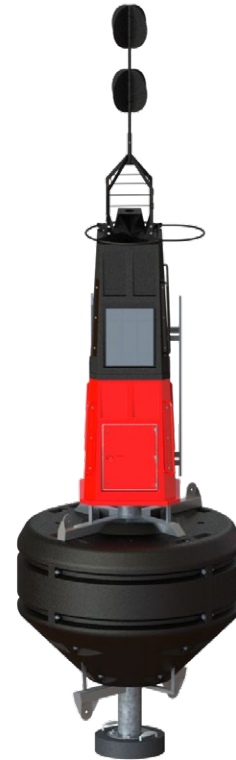
Our PBM25 polyethylene buoys are designed for both sheltered and open-sea waters. These buoys are characterised by their minimum maintenance.

### Rotomoulded polyethylene

Made from high-quality rotomoulded virgin polyethylene, filled with closed-cell polystyrene. Polyethylene includes the necessary pigment that provides the colour. UV filters guarantee a stable colour protection during their whole service life. Reinforcements are included from the floating line to the mooring eye. They are supplied with their corresponding ballast weights. They are manufactured of four sections.

### Long service life

Manufactured with high-quality and resistant materials, these buoys provide a long service life under harsh marine conditions.



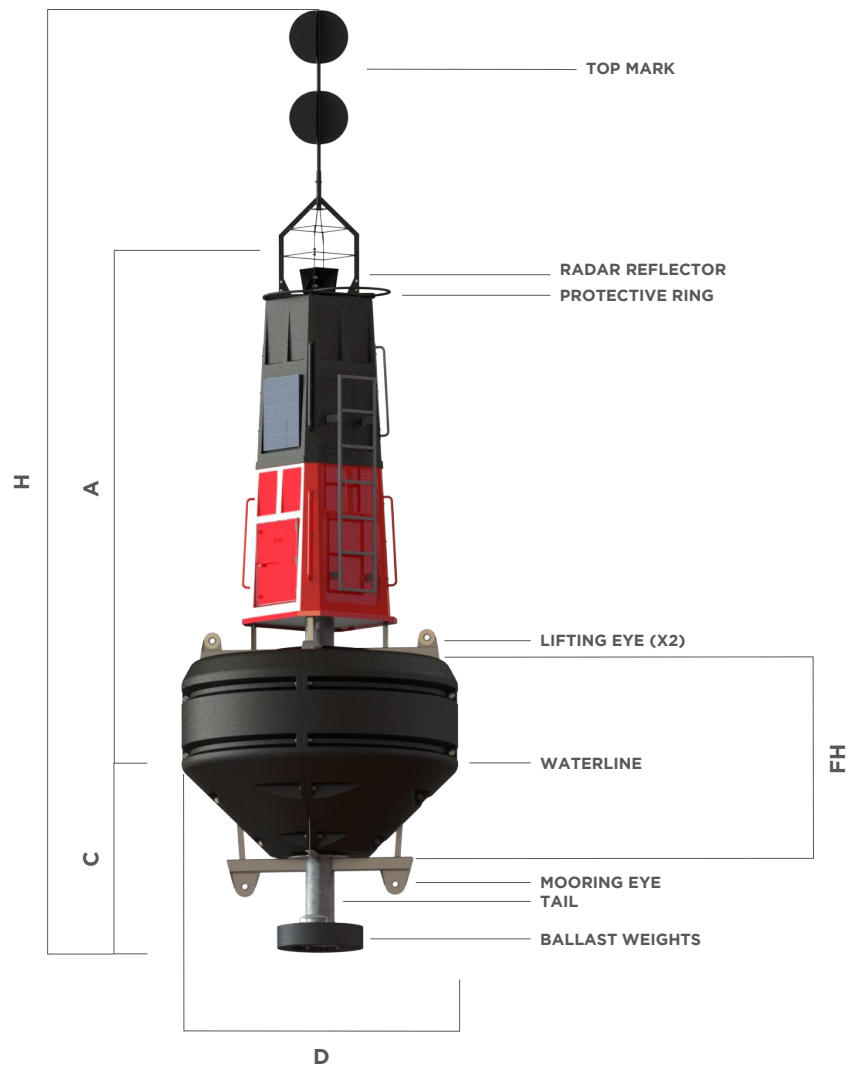
## FEATURES

- Float manufactured with rotomoulded virgin polyethylene, 12 mm thickness. The float consists of four modular replaceable sections connected by a cross-shaped stainless-steel frame.
- High-shock resistance.
- Float filled with closed-cell polystyrene, in order to avoid water absorption, pigmented with UV protection color and marine incrustations repellent.
- Detachable ballast weights for a greater stability.
- Metallic parts from stainless-steel or hot-dip galvanised steel.
- This buoy withstands winds of 50 knots maximum and marine currents up to 6 knots.
- Chromaticity according to IALA Recommendations.
- Compatible with a large variety of self-contained and marine LED lanterns.
- Top mark and day marks to increase buoy conspicuity at daytime.
- Minimum maintenance.
- Designed according to IALA Recommendations.

# PBM25

	(D) Float diameter	(A) Focal Height	(FH) Float Height	(C) Draft	(H) Total height	Float Volume	Total weight	Max. chain
<b>PBM25</b>	2.55 m	5 m	1.9 m	1.65 m	8.1 m	6.4 m <sup>3</sup>	1,750 kg	2,400 kg
<b>PBM25A</b>	2.5 m	4.4 m	1.9 m	3.17 m	9.5 m	6.1 m <sup>3</sup>	2,000 kg	2,200 kg
<b>PBM25X</b>	2.55 m	5 m	1.9 m	1.65 m	8.1 m	6.4 m <sup>3</sup>	1,750 kg	2,400 kg
<b>PBM25Y</b>	2.55 m	5 m	1.9 m	1.65 m	8.1 m	6.4 m <sup>3</sup>	1,750 kg	2,400 kg

*\*Other volumes and heights available under request.*

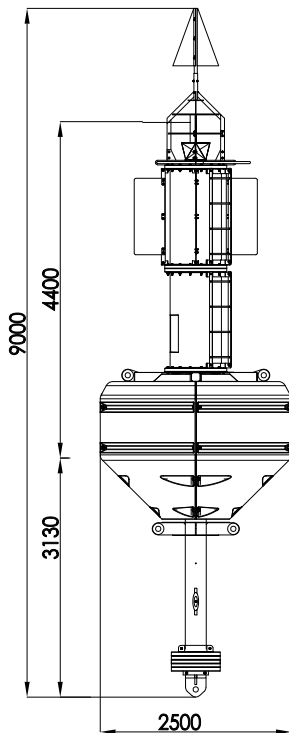


**PBM25**

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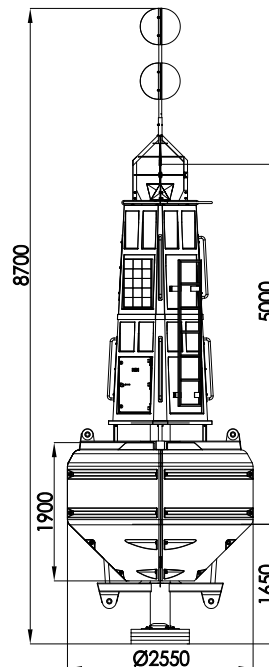
## ■ Versions

PBM25A



Region A

PBM25 / PBM25X / PBM25Y



# PBM25

## Superstructure

<b>Material:</b>	8 mm thickness rotomoulded virgin polyethylene (PBM25A). 8 mm thickness rotomoulded virgin polyethylene and AISI 304 or AISI 316 stainless-steel internal structure (PBM25, PBM25X, PBM25Y).
<b>Metallic elements coating:</b>	UV and marine environment resistant polyurethane coating.
<b>Top mark:</b>	GRP, according to IALA Recommendations.
<b>Radar reflector:</b>	10 m <sup>2</sup> (X Band) aluminium tetrahedron.
<b>Batteries capacity:</b>	Up to 300 Ah for PBM25, PBM25X, PBM25Y versions, and up to 90 Ah for PBM25A version, in a watertight cabinet with safety lock.
<b>Lifting eyes:</b>	2 nos., stainless steel.
<b>Elements:</b>	Access ladder to the lantern and protective ring in AISI 304 or AISI 316 stainless-steel or hot-dip galvanised steel.
<b>Hardware:</b>	Stainless steel.

## Float

<b>Diameter:</b>	2.5 metres.
<b>Material:</b>	Rotomoulded virgin polyethylene, 12 mm thickness, 4 modular replaceable sections.
<b>Filling:</b>	Closed-cell polystyrene (15 kg/m <sup>3</sup> ).
<b>Float sections join:</b>	Cross-shaped stainless-steel or hot-dip galvanised frame.
<b>Fixings:</b>	Bolts on the bottom structure.
<b>Lifting eyes:</b>	2 nos.
<b>Top Surface:</b>	Anti-sliding.

## Tail

<b>Material:</b>	Hot-dip galvanised (PBM25A). Hot-dip galvanised steel bridle tail (PBM25). Stainless-steel AISI304 bridle tail (PBM25X). Stainless-steel AISI316 bridle tail (PBM25Y).
<b>Ballast weights:</b>	Treated steel, removable/integrated.
<b>Mooring eyes:</b>	2 nos.
<b>Protection:</b>	Sacrifice anodes.

## Options

Passive radar reflector up to 36 m<sup>2</sup> RCS available.

Active radar reflector.

Top marks available in stainless-steel or hot-dip galvanised steel.


8 mm thickness rotomoulded virgin polyethylene and hot-dip galvanised steel internal structure as an option for PBM25, PBM25X and PBM25Y versions.

Closed-cell expanded polyurethane foam float filling as an option.

Solar modules capacity.

Indicating signs.

Other thickness available under request.

 Specifications subject to change without previous notice.