



POLYETHYLENE BEACON TYPE PETB

Floatex Polyethylene beacon PETB is designed to minimize as much as possible the maintenance on the beacons and to ensure a great visibility also during the day light hours. The beacons are manufactured from an outer shell made in UV-stabilized linear virgin polyethylene. The Polyethylene used in the manufacturing process is completely recyclable (Eco-Friendly), it's fully compatible with the marine environment, and has a high resistance to UV rays.

The PE being linear has the advantage that it can be melted and hence repaired by hot fusion welding. The colour pigment is moulded-in and consequently not added as a coating ensuring greater life of the colour and a big help to the environment as it never requires additional paintings, avoiding toxic dispersions in the water. Floatex polyethylene requires a minimal maintenance.

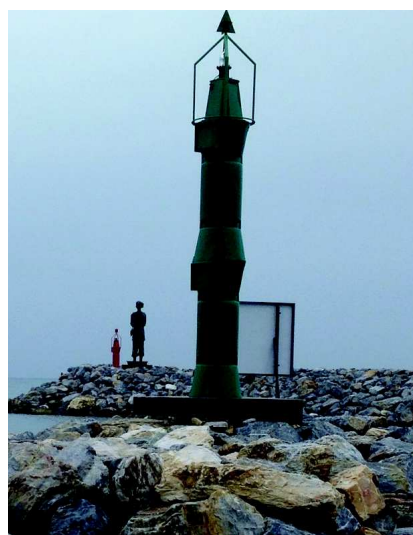
R&D laboratory daily performs tests on production samples such as tensile test, hardness test, abrasion test, UV test and Cold temperature test, colour test and other ordinary tests in the aim to ensure the quality and the reliability of Floatex polyethylene.

The beacons have a diameter of 800mm and may vary in height in base of clients requirements.

The power supply for the light assembly is mounted in a separate rotationally moulded polyethylene unit with a pyramidal shape type CSP. This unit house the battery pack, the solar charge regulator and is equipped with small solar panels that serve the purpose of recharging the batteries. Floatex PETB beacons are usually equipped on the top with LED marine lantern with colour and flashing characteristics in accordance with IALA recommendations. The colour and the flash can be selected in accordance with clients requirements.

The focal plane, which is the distance between the center of the lantern and the beacon base, available for these series are from 3 to 7,5 meters. The beacon can be equipped also with Top Mark in accordance with IALA recommendations.

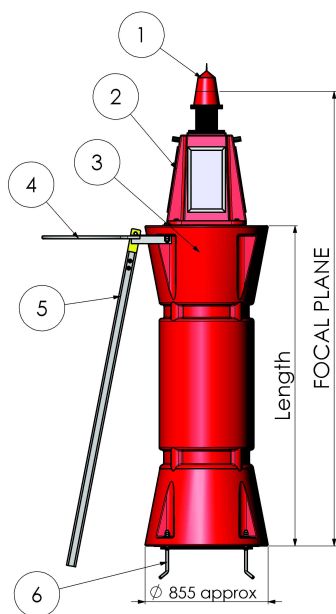
In base of the height, the beacon are equipped with a fixed ladder with protected cage in conformity with safety regulations. The ladder ensure easy and safety maintenance on the electrical equipment and electrical circuits located at the top of the pole. An additional aluminium portable ladder is provided to access to the fixed one.



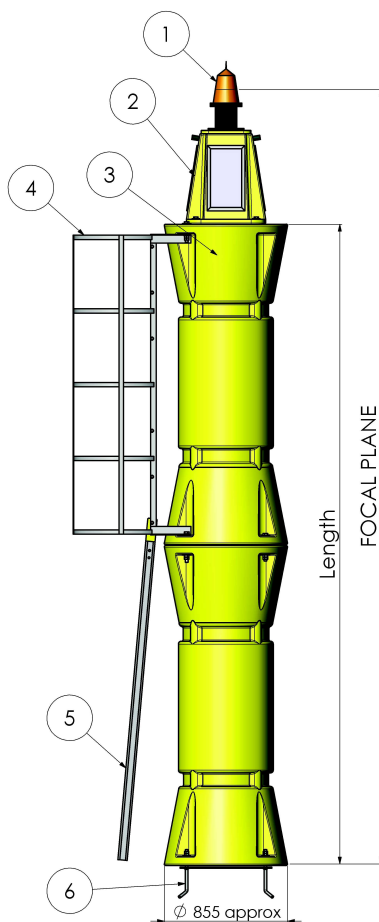
PETB

N.	DESCRIPTION	MATERIAL
1	MARINE LANTERN	155mm Lens Filaments or LED light
2	CSP 410	FLOATEX spec.
3	PETB	ROTOMOULDED POLYETHYLENE
4	MANGUARD	GALVANIZED STEEL
5	MOBILE LADDER	ALUMINIUM
6	FOUNDATION FRAME	GALVANIZED STEEL

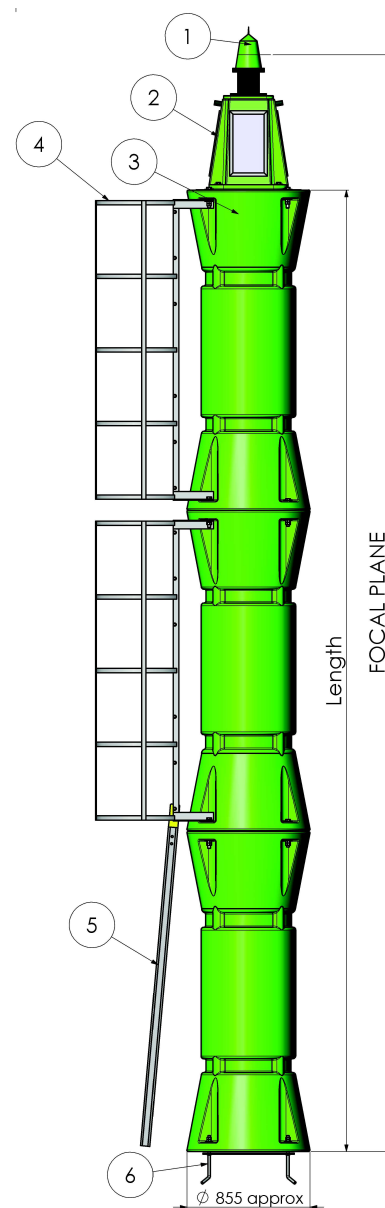
TYPE	Length (mm)	FOCAL PLANE (mm)
PETB-1	2230	3100 approx
PETB-2	4460	5330 approx
PETB-3	6690	7560 approx



PETB-1



PETB-2



PETB-3