

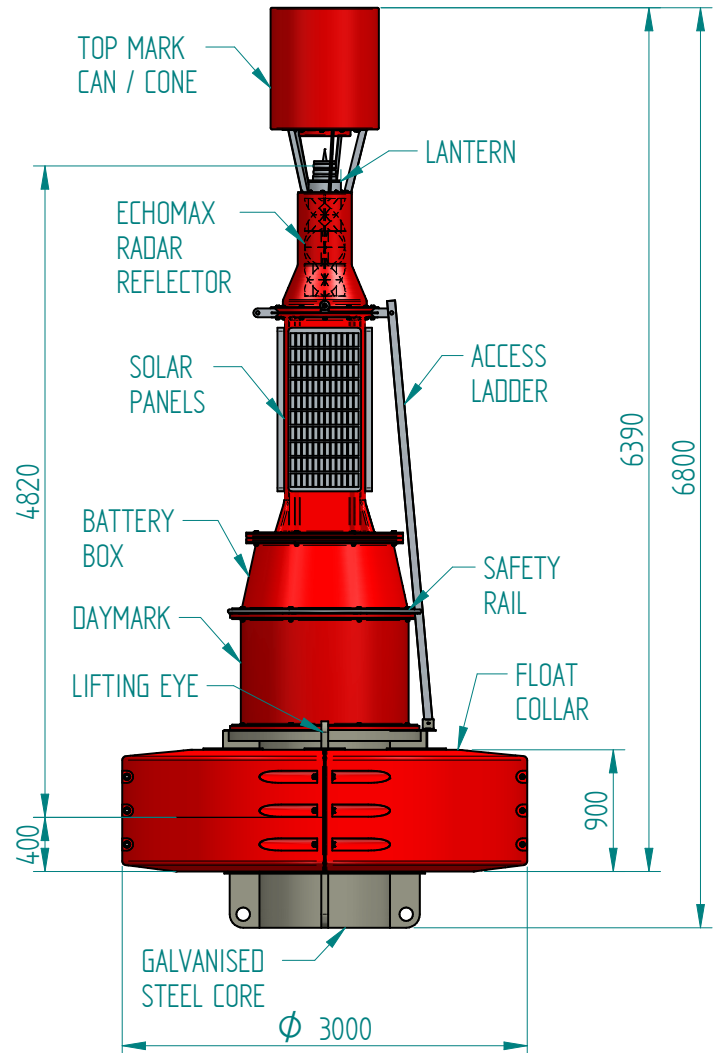
EM 3000 Polyethylene Steel Skirted Navigation Buoy

Corilla's innovative, rotationally moulded plastic navigation buoys now make their steel predecessors obsolete. Suited to deep water, offshore and tidal applications, their design ensures a durable, lightweight and rust free alternative. Corilla's buoys can remain at sea far longer than their steel counterparts, making them operationally superior.

Key Dimensions

Diameter mm	3000
Overall height mm	6800
Overall weight Kgs with charging system	2163
Focal Plane (FP) in mm (typical)	4820
Reserve Buoyancy weight Kgs:	4037
Waterline above datum mm (typical)	400
Chain size mm (typical)	30/38
Sinker weight in water Kgs (typical)	5000

Typical chain length 2 to 3 times depth in most circumstances



Steel Core

The steel core of the EM buoys is the hub to which the float collars, day mark and lifting and mooring eyes are attached. Made from grade 40 mild steel. Galvanised to BSE ISO 1461-1999.

Float Collars

Four rotationally moulded, specially formulated extra high UV stabilised polyethylene. Foam filled with marine grade safety approved foam. These collars can be replaced either individually or as a set if damaged through a collision. This operation can be carried out without removing the buoy from its mooring.

Service Exchange Tower (SET)

Rotationally moulded specially formulated extra high UV stabilised polyethylene, it has the capacity to take one or two 200 A/h batteries and a junction box (to IP67 rated). Plugs are all Bulgin Buccaneer 400 mini series IP67 rated. If required graphics can be moulded into this component.

Battery Box

Resin coated aluminium and steel box secured to the top plate of the steel core and housed within the polythene battery section. Two batteries are located within the box. The box is designed so a second box can be stacked to give four batteries. A lockable hatch allows easy access to batteries.

Lantern

Any suitable preferred manufacturer compatible lantern can be fitted.

Optional Extras

Two coats of ZINGA on steel core substantially increases service life; LD marks into daymark; Racon and/or wave generator.

Moorings

To achieve a moored height of 400mm above datum at high tide, the floated mooring weight should be approximately 25% of the reserve buoyancy.

Navigation Buoy Depth Guide

20 - 50Mtrs



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