

BLF-59

LIGHTED FOAM BUOY FOR SEMI-EXPOSED, SHALLOW WATER, AND RIVER APPLICATIONS



The BLF-59 buoy is designed and constructed for semi-exposed locations, shallow water, and for river applications. The buoy hull is constructed of Softlite⁷ color-impregnated, ionomer foam. This material has been used in buoy and fender applications for over 15 years and complies with U. S. Coast Guard specification 450C. The buoy hull has a densified outer surface for abrasion resistance. The buoy hull will withstand repeated free fall drops from 10 feet onto concrete.

The BLF-59 buoy strength members are steel. Interchangeable aluminum can-shaped and nun-shaped radar reflectors provide lateral significance in accordance with IALA standards. Buoys are constructed as four modules (light/solar panel stand, tower, hull, and counterweight) which can be transported by a small truck and assembled in the field. An external battery box and solar power system is provided with the buoy. Manufactured to U. S. Coast Guard Specification 450C and Drawings 121148 and 121100.

Physical Characteristics (no mooring)

Buoy Weight	645 kgs.
Buoy Draft	685 mm.
Focal Height of Light	2250 mm.
Freeboard	400 mm.
Minimum Freeboard	225 mm.
Immersion	21kg/cm.

Related Equipment

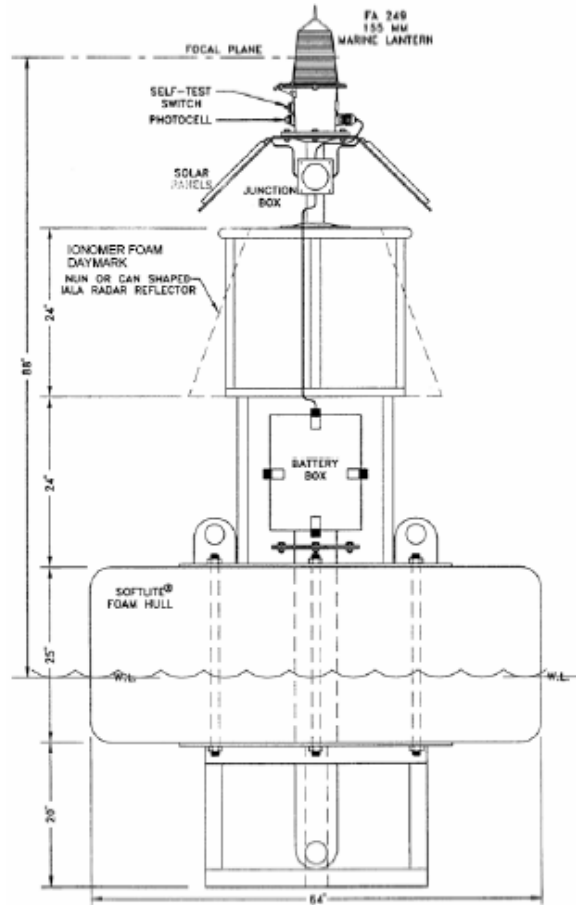
Lantern	FA-249LED
Winged Solar Panel	10 watts each
Sealed Lead Acid Battery	APB-1295
Mooring Bridle	None
Mooring Chain	19mm.
Sinker (concrete)	1360kgs.

Operational Characteristics (nominal)

Daymark Visual Range	1.4 nm
Radar Range	1.7 nm
Mooring Depth (min.)	2.5 m.
Mooring Depth (max. w/chain)	30 m.

Softlite⁷ is a registered trademark.

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Reference Picture

