

# 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 Softlite® 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 kg
Buoy Draft	685 mm
Focal Height of Light	2250mm
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)	1360kg

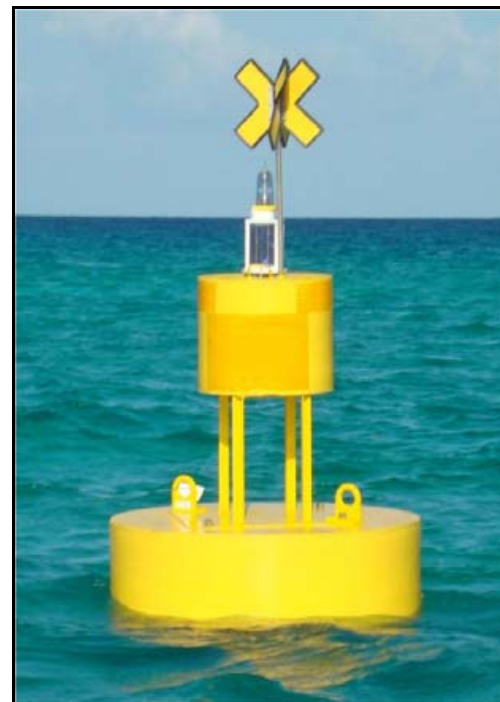
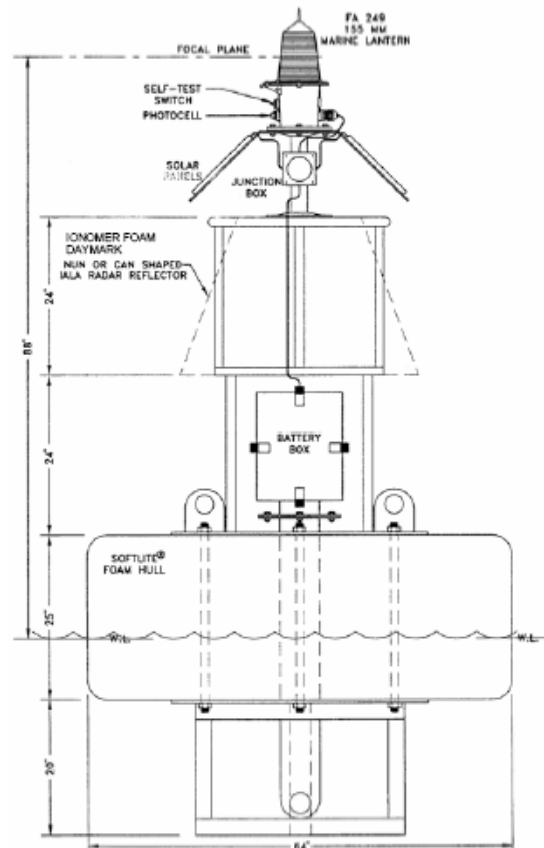
### Operational Characteristics (nominal)

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

**Buoy and Color are guaranteed for 12 years.**

Softlite® is a registered trademark.

Form No.: 042511A



Specifications subject to change without notice

