

BL-620 BUOY

The BL-620 is a standard U. S. Coast Guard steel buoy designed for rivers, estuaries, and moderately exposed open seas. A tailtube design, the BL-620 maximizes the focal height and visual range of the light relative to the diameter of the buoy. It is designed to translate wave action into vertical movements and to minimize rocking motions of the buoy. Standard buoy has two lifting eyes and two mooring eyes. Tower may be removed for shipping. Tower design incorporates safety ring and hand holds. Standard buoy conforms with U. S. Coast Guard Specification G-ECV 350 and Drawings G-ECV 107324. Foaming of the buoy hull is optional.

PHYSICAL CHARACTERISTICS (no moorings)

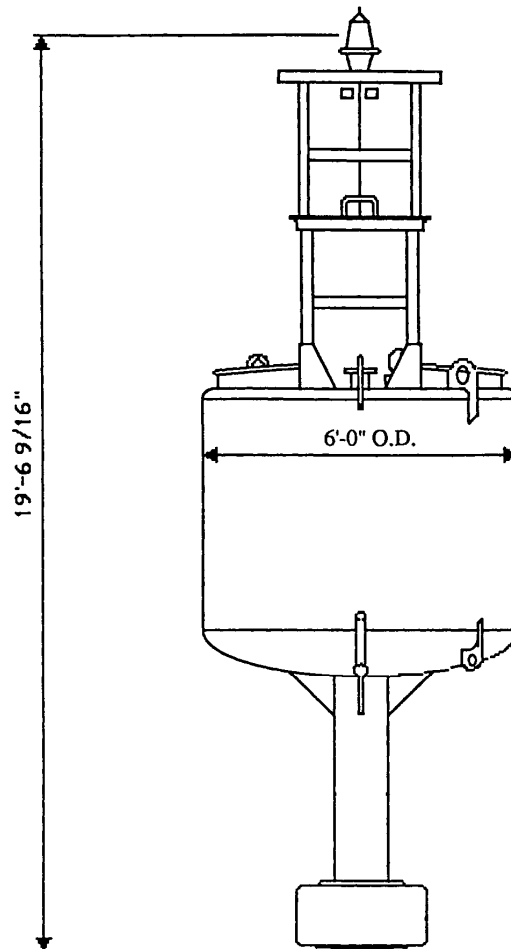
- **Buoy Weight:** 6000 lbs. (2730 kg)
- **Focal Height of Light:** 10' 5" (3300 mm)
- **Buoy Diameter:** 6'0" (1935 mm)
- **Buoy Length Over All:** 18'8" (6000 mm)
- **Buoy Hull:** 1/4" (6 mm) Steel
- **Freeboard:** 2'0" (750 mm)
- **Counterweight:** Cast Iron
- **Minimum Freeboard:** 12" (300 mm)
- **Pounds/Inch Immersion:** 150 lbs./inch
- **Kg-Per-mm Immersion:** 17.75
- **Paint System:** Two coats Zinc Rich, Epoxy Primer, Two colored Top Coats, Antifouling, underwater area.

OPERATIONAL CHARACTERISTICS (nominal)

- **Daymark Visual Range:** 2.3 nm
- **Passive Radar Reflector Range:** 2.7 nm
- **Racon Radar Range:** 6.0 nm
- **Mooring Depth (min):** 6 m.
- **Mooring Depth (max. w/chain):** 40 m.

RELATED EQUIPMENT

- **Lantern:** FA-249LED.
- **Horn (optional):** LIEX 710/051
- **Racon (optional):** Phalcon-2000
- **Top Mark (optional):** Mounted duplex lantern stand
- **Solar Power System:** Dual 30 Watt Winged
- **Solar Batteries:** 12V 115 AH maintenance-free, sealed, deep cycle, lead Acid.
- **Solar Battery Box:** Mounted externally on bell stand.
- **Battery Box Capacity:** Two 12V 115AH Batteries
- **Mooring Bridle:** 1 1/8" X 84" (28 mm x 2134 mm)
- **Mooring Chain:** 1 1/8" (28 mm)
- **Sinker:** 7000lbs. (3175 kg)



Form No.: 102810A