

## Emergency Towing System Buoys

Designed by Norfloat International, the emergency towing system buoy (ETS) is a flexible PVC moulding filled with closed cell foam. The buoy has a programmable LED flashing lamp activated by a photocell switch for automatic operation.

When required, the buoy is deployed through a standard Panama fairlead for ETV retrieval. The buoy and pennant line are taken on board the ETV enabling a towing cable to be transferred from the ship to the ETV. The concept of this product is very simple, making it easy and reliable to use. As of 2012 all vessels over 20,000 DWT are required to have an ETS in place. The Norfloat International ETS buoy simplifies tow line retrieval by day or night.



### Features

**UV stable PVC outer skin**

**Foam filled**

**Hot-dipped galvanised steel swivel and centre rod**

**Fitted with Jotron new enhanced ML-100 high intensity LED**

- SW-adjustable light-intensity
- SW-programmable flash-rate
- SW-adjustable "daylight-switch"
- Uses 3 x Alkaline D-Cells, total of 4.5 VDC
- Module-based construction, facilitating any necessary service or repair

**Light reflective tape**

**Embedded maintenance record**

### Colours

Available in Yellow and Fluorescent Orange



### LED Specifications

**Material housing** ABS

**Material lens** Lexan

**Light system** LED (Yellow)

**Light intensity**  
15-Cd (Candela)

**Surface range**  
2 or 3 NM  
(nautical miles)

**On/Off by daylight-sensor only**  
Magnet/reed and daylight-sensor

**Flash-rate**  
25-flash

**Software programming**  
Flash-rate, light-Intensity and sync

**Power/battery-type**  
4.5 VDC Alkaline C-cell, 3 units

**Lens colour** Clear