

MARINE DEPARTMENT NOTICE NO. 29 OF 1998
(Miscellaneous Information)

Requirements of Light Buoys
for Marking Marine Works Area

The attention of all shipbuilders, port operators, marine works contractors and consultants is drawn to the Marine Department's requirements of light buoys for marking marine works area.

2. Details of the requirements and specifications for the marine works area light buoys are outlined in the Annex to this Notice. Contractors and consultants of marine works are advised to apply these standards when planning the light buoys for marking marine works area.

3. With effect from 1 September 1998, all light buoys used for marking of new marine works area are required to comply with the requirements as outlined in the attached Annex.

I.B. DALE
Director of Marine

Marine Department
HKSAR

Date: 26 February 1998

Action File Ref: PA/S 926/10/11

Annex to Marine Department Notice No. 29 of 1998

Requirements of Light Buoys for Marking Marine Works Area

| <i>System</i> | Class 1 | Class 2 |
|---|---|---|
| <i>Application</i> | When the marine works encroaches into any Principal Fairways, Traffic Separation Schemes, the Deep Water Routes leading to Tap Shek Kok, Lamma Island or etc. | When the marine works is inside any areas of the anchorages, mooring buoys, approaches to main port facilities, their immediate vicinity, adjacent to areas required for the application of Class 1 buoy or other areas as directed |
| <i>Design</i> | Skirt keel, buoy body divided by 4 equal spaced watertight compartments | Buoy body filled with foam core or divided by two equal spaced watertight compartments |
| <i>Construction material</i> | Steel/Plastic - the buoy should be able to sustain possible impacts by other vessels, within reasonable limits, to ensure that they remain in shape and afloat after such impacts | Steel/Plastic - the buoy should be able to sustain possible impacts by other vessels, within reasonable limits, to ensure that they remain in shape and afloat after such impacts |
| <i>Diameter</i> | Not less than 2 metres | Not less than 1 metre |
| <i>Focal Height</i> | Not less than 3 metres | Not less than 2 metres |
| <i>Height between waterline & top of watertight compartment</i> | Not less than 0.9 metre | Not less than 0.6 metre |
| <i>Plate Thickness</i> | 10mm for steel/equivalent strength for plastic | 5mm for steel/equivalent strength for plastic |
| <i>Shape</i> | Optional but must not conflict with that used for a Lateral or Safe Water mark | Optional but must not conflict with that used for a Lateral or Safe Water mark |
| <i>Topmark</i> | 500 x 45 x 6mm single yellow cross on top | Optional, single yellow cross on top if fitted |
| <i>Battery Compartment</i> | Water tight | Water tight |
| <i>Surface Finish</i> | Yellow in colour | Yellow in colour |
| <i>Mooring Chain</i> | 25 - 26mm open link | 15 - 19mm open link |
| <i>Sinker Size</i> | Sufficient weight to hold the buoy in position with regard to the seabed, tidal and weather conditions likely to be experienced at the construction site | Sufficient weight to hold the buoy in position with regard to the seabed, tidal and weather conditions likely to be experienced at the construction site |
| <i>Light - Characteristics</i> | Quick flashing yellow | Quick flashing yellow |
| <i>Range</i> | 5 nautical miles at 0.74 atmospheric transmission factor | 3 nautical miles at 0.74 atmospheric transmission factor |
| <i>Equipment Type</i> | The equipment should be of the type approved by the International Association of Lighthouse Authorities | The equipment should be of the type approved by the International Association of Lighthouse Authorities |
| <i>Battery</i> | Water proof and leak-proof type | Water proof and leak-proof type |

Light Buoy for Marine Work Area

