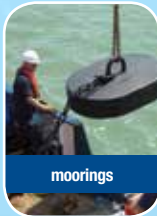




data buoy platforms



moorings



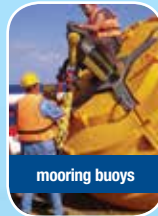
navigation buoys



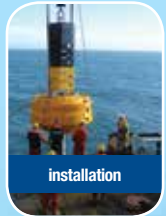
hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

jetty masts & lights

PRODUCT SUMMARY

IMO & IALA COMPLIANT  ROBUST & LOW MAINTENANCE

SELF CONTAINED LED LIGHTS  STANDARD & BESPOKE DESIGNS  UP TO 10NM RANGE

MAINS & SOLAR POWER  OPTIONAL BATTERY BACKUP



masts & towers



Vega

carmanah
SABIK

world-leading jetty mast lighting systems

Hydrosphere is the UK's leading supplier of aids to navigation, providing high quality, reliable and cost-effective solutions to the marine industry. We supply a range of jetty mast systems for lighting the extremities of a jetty as well as marking entrances to harbours, marinas and other navigation channels. All products conform to IMO regulations and IALA recommendations.

galvanised steel jetty masts

We supply a range of standard and custom-built jetty masts for mounting self contained or standalone navigation lights. The mast can include a built-in weatherproof enclosure to house a mains power supply with battery backup. Constructed from galvanised steel, these counterbalanced folding masts are simple to transport, easy to install and can be safely operated by one person. A precise design allows the base to be sited for convenient door access and an upper pole section rotates to ensure correct light orientation.

- Accepts a wide range of lights
- Solar and mains power options
- Up to 10NM range
- Battery backup available
- Extremely low maintenance
- One person operation
- Onsite orientation
- Easily transported
- Galvanised steel construction
- Optional integral power supply cabinet



solar power operation



mains power operation

self contained and standalone LED lights

We offer a variety of IALA compliant LED lights for solar and mains power operation, which provide between 2NM and 10NM range. All lights exhibit all standard IALA flash characters and fulfil IMO regulations.



Carmanah M650 - self contained LED light

A robust and maintenance-free self contained solar light with an expected working life of five to eight years. For ranges of 1.5NM fixed and 2NM flashing character.



Vega VLB-2 - self contained LED light

A high capacity, maintenance-free, self contained solar light designed to provide 2NM range (fixed and flashing) particularly in high latitude applications.



Vega VLB-67 - self contained or standalone light

For ranges of up to 4NM the Vega VLB-67 is available as a self contained unit (comprising power supply / solar panels and battery) or as a standalone light with an ac/dc power supply unit (with optional battery).



Vega VLB-44 - standalone LED light

For ranges of up to 10NM the VLB-44 is available with one to eight tiers and can be sized to the range for your particular application. Available with dc power supply only.

The selection of jetty lighting systems illustrated in this product summary is an example of the standard models available. Optional design with or without a base enclosure allows the power supplies and backup batteries to be securely protected from the elements and tampering. Lights can also be tailored to meet user requirements regarding mains or solar power supplies, flasher and synchronisation modules, GPS receivers, mounting brackets and programmers. Please **contact us** for more information.

Compliant with all IALA recommendations.



specifications

jetty masts

Structure	Height m	Weight Kg	Weight Kg (with enclosure)
Galvanised Steel	4.0	82	100

navigation lights

Light	Max Range NM Fixed	Max Range NM Flashing	Solar Powered	Input Power 12v dc	Input Power 110-240v ac	Battery Backup	Optional Synchronisation	All-round	Leading/Range
M650	1.5	2	✓	-	-	Integral	✓	✓	-
VLB-2	2	2	✓	-	-	Integral	✓	✓	-
VLB-67 SA (Standalone)	4	4	-	✓	✓	Optional	✓	✓	✓
VLB-67 SS (Standard Solar)	2.5	3	✓	✓	✓	Integral	✓	✓	✓
VLB-67 LS (Large Solar)	3	4	✓	✓	✓	Integral	✓	✓	✓
VLB-44	6	6	-	-	-	Optional	✓	✓	✓
VLB-44 Multi-tier	10	10	-	-	-	Optional	✓	✓	✓

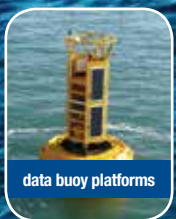
the right jetty lighting system for the job

In order to conform to IMO and local regulations, a lighted mast should comprise of two fixed (steady) lights, vertically separated by 2m. The lower-level light should sit at least 2m above the mean high water spring level (MHWS). Local regulations regarding the range and visibility of the light may apply, generally requiring a 360° visibility with a 1.5NM or 2NM range. In situations where a jetty mast marks the entrance to a harbour, marina or other navigation channel, a single flashing light is occasionally used. Please contact us and we will be happy to guide you on the right product for your specification.

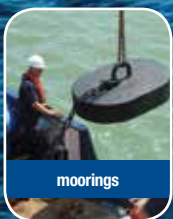
about Hydrosphere

Hydrosphere is the UK's leading supplier of aids to navigation and has been providing cost-effective solutions to the marine industry for more than 18 years. We offer a wide range of navigation and mooring buoys, LED navigation lights, sector lights, rotating beacons, leading lights, jetty masts, beach and zone marking products and associated moorings. Rental, installation and maintenance services are also available for all our products and systems.

For more information please contact us.



data buoy platforms



moorings



navigation buoys



hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

aquaculture | marinas & sailing clubs | ports & harbours | offshore renewable energy | oil & gas

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