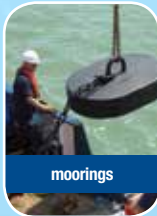




data buoy platforms



moorings



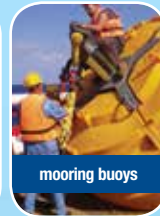
navigation buoys



hydrosphere



navigation lights



mooring buoys



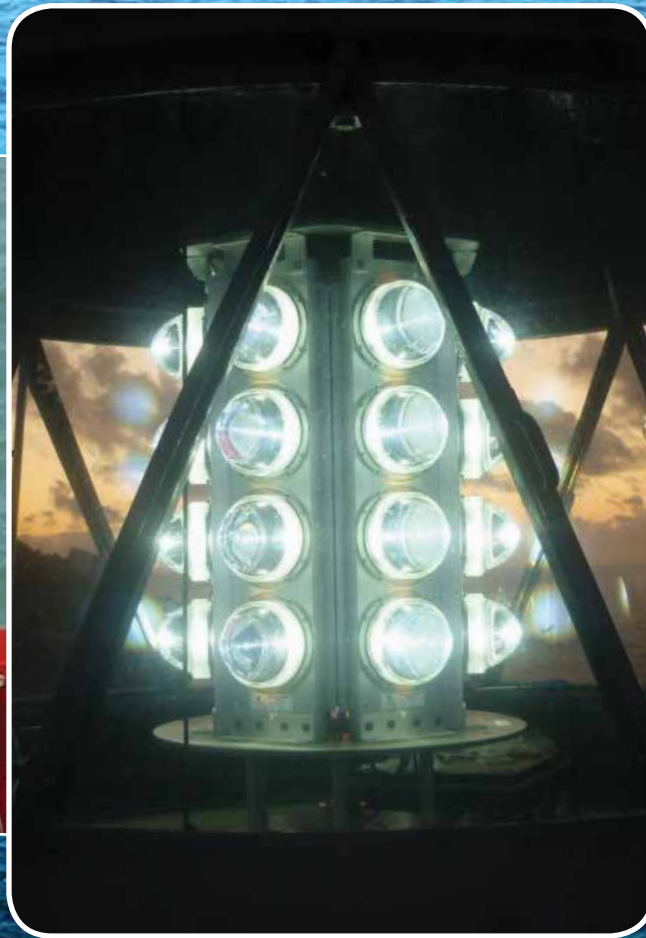
installation

the UK's leading supplier of aids to navigation

navigation lights

PRODUCT SUMMARY

AQUACULTURE 🌀 BRIDGES 🌀 BUOYS 🌀 CUSTOM
FIXED STRUCTURES 🌀 HARBOURS 🌀 LEADING LIGHTS 🌀 LIGHTHOUSES
MASTS 🌀 PONTOONS 🌀 PORTS 🌀 RIVERS 🌀 SECTOR



navigation lights



world-leading navigation lights

Hydrosphere is the UK's leading supplier of aids to navigation, providing an extensive range of innovative, reliable marine navigation lights for use on fixed and floating applications.

Representing internationally renowned manufacturers, Hydrosphere has delivered solutions for all of the UK's Lighthouse Authorities; major ports and harbours; marinas; universities and research institutes; aquaculture sites; and offshore renewable energy industries.

self contained LED lights

Programmable LED lights comprising solar panels, battery, battery housing, regulator, electronic controls and light source in a single compact package.



VLB-1



VLB-2



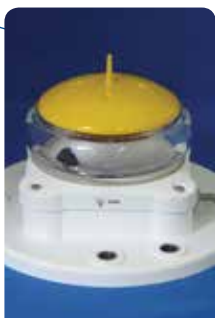
VLB-67



VLB-36

LED beacons

A low-maintenance solution compared to conventional filament lamps. All-round for fixed and floating structures, leading lights, bridge beacons or traffic signals.



VLB-67



VLB-36



VLB-44



VLL-43



VRL-74

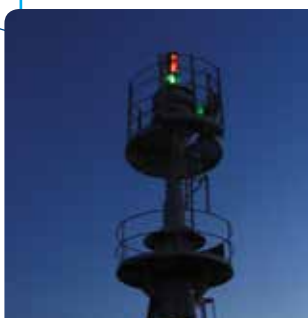


VRL-91

sector

A cost effective solution where precise navigation is required and traditional leading marks are impractical. Can be configured for day and night operation.

WIDE

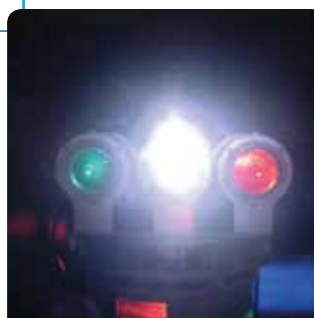


VSL-73



VSL-73

PRECISION



VLS-46



PEL-6

jetty masts & power systems

Folding and fixed masts specifically designed for mounting navigation lights along with a complete range of power supplies, including: solar panels, wind generators, regulators, batteries, mains power supplies and enclosures.



solar powered sector lights



jetty mast with LED lights



traffic light systems

wreck lights

Wreck marking versions of the VLB-36 and VLB-67 are available and conform with IALA Recommendation O-133.



VLB-36 wreck



VLB-67 wreck

lighthouse & rotating beacons

An intense, focused light source designed to replace traditional lighthouse filament lights.



VRB-25



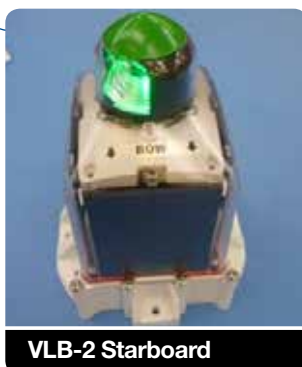
VRL-91



VLB-92

barge lights

Navigation lights customised for Port, Starboard, and Stern lighting.



VLB-2 Starboard



VLB-2 Port

- High performance precision optics
- Standalone LED beacons providing a rugged and efficient solution
- Self contained lights for a single compact package
- Cost-effective and easy to maintain
- Low power consumption for long lasting, consistent operation
- Web-based calculators to help ensure optimum performance
- Able to exhibit all standard IALA flash characters

All lights can be tailored to meet user requirements regarding mains or solar power supplies, flasher and synchronisation modules, GPS receivers, mounting brackets, and programmers. Full design, installation, commissioning, and maintenance services are also available.

The selection of lights illustrated in this product summary is only a sample of the range and variations available. Please **contact us** and we will be happy to guide you to the best specification for your requirement.

Compliant with all IALA recommendations.



specifications and applications

Light	Max Night Range (NM at 0.74T)	Max Day Range (NM at 0.74T)	Solar Powered	Input Power 12v dc	Input Power 110-240v ac	Optional Synchronisation	All-round	Sector - Wide	Sector - Precision	Leading / Range	Obstruction	Object / ID Marking	Buoy	Fixed Platform	Lighthouse	Wreck	Barge
Vega VLB-1	1		✓				✓						✓	✓			
Vega VLB-2	2		✓			✓	✓						✓	✓			✓
Vega VLB-67	4		✓	✓	✓	✓	✓			✓			✓	✓		✓	
Vega VLB-36	6		✓	✓		✓	✓			✓			✓	✓			
Vega VLB-36 - Wreck Marking	4			✓		✓							✓			✓	
Vega VLB-36 - Obstruction	4.5			✓		✓	✓				✓			✓			
Vega VLB-44	12	1.3		✓		✓	✓			✓			✓	✓	✓		
Vega VLL-43	11	0.7		✓		✓				✓				✓			
Vega VLB-92 Omni-Mega	18	3.4		24v		✓	✓							✓	✓		
Vega VLS-46	12	0.8		✓		✓			✓					✓			
Vega VSL-73	10	0.6		✓		✓		✓	✓					✓	✓		
Vega VRL-74	30+	6		✓		✓				✓				✓	✓		
Vega VRL-91 Uni Mega	30+	6		✓		✓				✓				✓	✓		
Vega PEL - 3	19	3		✓		✓			✓					✓			
Vega PEL - 6	24	5.5		12/24v		✓			✓					✓			
Vega VRB-25	22	4.4		✓		✓	Rotating							✓	✓		

Guidelines only. See individual product datasheets for full specifications.

the right light for the job

To make sure you get the right light for your requirements consider the following: the light's purpose and location; the range needed; the light's colour; the flash character; and the power supply available.

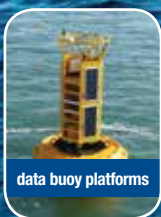
tips:

The output required approximately doubles for each additional mile of visibility. Always consider the lighting of the site itself; a navigation light viewed against a background of shore-based lights will seriously affect a mariner's ability to detect the aid, so the output will need to be increased.

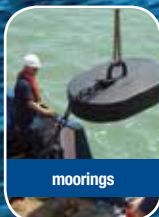
about Hydrosphere

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 20 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.

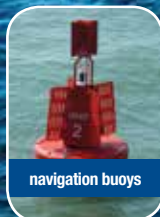
For more information please contact us.



data buoy platforms



moorings



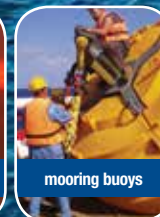
navigation buoys



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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