



Navigation Buoys and Lights

E.Y.E. navigation buoys are quickly becoming the favoured option of those users who demand a cost effective, tough, reliable, practical and service free item of equipment for use in a variety of locations with or without the '[Sealite](#)' lantern.



EYE 1000 Navigation Buoy

Diameter: 1 metre

Circumference: 3.14 metres

Maximum Height:
lantern 1.3m
no lantern 1.0m

Buoyancy: maximum 200 kg

EYE 1250 Navigation Buoy:

Diameter: 1250 mm

Draft: 150 mm

Minimum Focal Height: 1800 mm
Maximum Focal Height: 2000 mm

Weight in Service: 110 kg

Minimum diameter of mooring chain: 12.5 mm
Maximum weight of mooring chain: 150kg
Minimum weight of sinker: 250kg

The 1250 navigation buoy is suitable for use in port or river marking. The buoy can be moored with a riser of 16/20mm long link chain or in deep water a combination of chain/rope/chain with a swivel if required.

Larger Buoys up to 2500 mm are available

Port / Starboard and Special Mark foam filled navigation buoys are available.

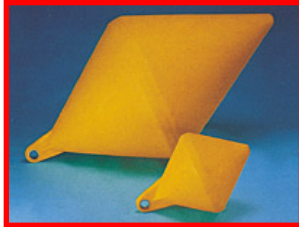
circumference mm	2000	2000	2000	3140
Lift in kilogrammes	75	120	150	200



Low Cost Marker and Navigation Buoys

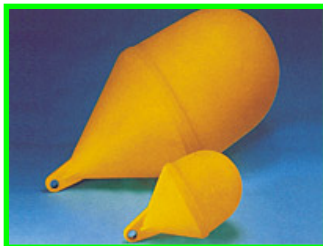
Moulded in rigid plastic and available in **Red Green** or **Yellow**
They can be supplied filled with closed cell polyurethane foam.

Bi-conical



PLAN	DIA.	Height.	Buoyancy	
			TOTAL	USABLE
F	400 mm.	640 mm.	30 Kg.	14 Kg.
G	800 mm.	1.600 mm.	200 Kg.	100 Kg.

Spherical



Plan	DIA.	Height.	FLOTABILITY	
			TOTAL	USABLE
C	400 mm.	660 mm.	45 Kg.	14 Kg.
D	600 mm.	1.100 mm.	130 Kg.	45 Kg.
E	800 mm.	1.610 mm.	412 Kg.	102 Kg.

Cylindrical



PLAN	DIAM.	H.	FLOTABILITY	
			TOTAL	USABLE
A	250 or 400 mm.	740 mm.	38 Kg.	14 Kg.
B	510 or 800 mm.	1.610 mm.	290 Kg.	110 Kg.

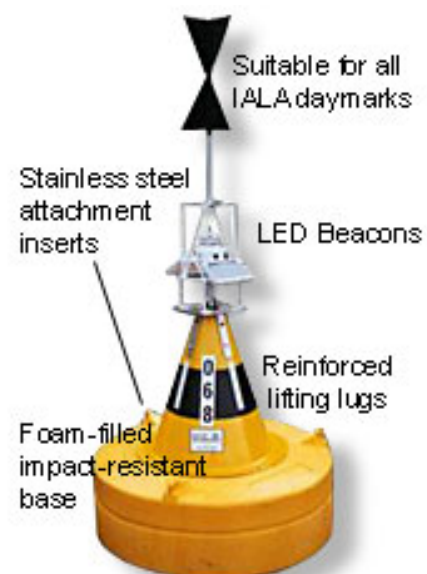
Navigation Lighting

EYE. Co Ltd. is the sole European distributors of the **Sealite** LED range of marine navigation lanterns. Our customers include Major Port Authorities, Harbours, the MoD, Navigation Buoy Manufacturer's and the Aquaculture industry.

Sealite is a world leader in the use of L.E.D. technology as a light source for navigation lanterns. The product range includes lanterns for short-range applications, such as marker buoys, and longer range lights for offshore marine use. By matching a model to application and location a fully programmable cost effective lantern can be selected from the range.

The use of LED's as a light source gives savings in both maintenance and power consumption, consequently, the use of smaller batteries and solar panels now makes lighting of any navigation mark cost effective. **Sealite** light are also used outside the marine environment, applications include, Bridge Approach Control Lights, Military "Live Firing" Ranges, Obstruction Lights and Aviation Lights.

On land and sea, from the Tropics to the Poles **Sealite** is lighting the way.



<p>The SL15 1 mile LED compact lantern is designed to be maintenance-free and have a service life of over 5 years.</p> <p>The unit uses 4 ultra-high intensity LED's as a light source. It is made entirely from tough U.V. stabilised polycarbonate, making it ideal for aquaculture, hazard & perimeter marking, or transport/railway use.</p>	
<p>The SL60 & SL70 lanterns are the most advanced and versatile compact marine lanterns available. Both have over 250 flash characters, adjustable on-site by the user. The units also boast a completely sealed battery compartment, which enables the battery to be changed after years of service.</p> <p>The SL70 unit excels in its ability to operate reliably in low-sunlight conditions, through the use of the Sealite solar collection lens, and dual high-performance solar modules - tilted to face the sun.</p>	
<p>Sealite's 3-4 mile lanterns represent a traditional approach to marine navigation, combined with advantages of LED technology.</p> <p>Boasting large, accessible battery compartments, inter-changeable 20 LED flasher units, and large external solar modules, the lanterns are ideal for heavy-duty conditions. The models are available in a variety of solar/battery configurations for various latitudes and duty-cycles.</p> <p>Configurations range from small 2watt solar modules and 1.8ah battery capacity (SL30/32) used in high-medium sunlight conditions such as Australia and the Maldives, through to large 12watt modules and 7ah batteries (SL23 / SL24) used by the Canadian Coast Guard.</p>	
<p>The SL125 lantern offers a maintenance-free approach to longer-range navigation requirements. Made from tough U.V. stabilised polycarbonate, and using tiers of 36 ultra-high intensity LEDs as a light source, the SL125 model lantern is used by both private users and government agencies worldwide.</p> <p>The lantern is available with up to 3 LED tiers for increased intensity.</p> <p>The unit is also available as a complete assembly (SL125/C) - incorporating large 16watt adjustable solar modules and a 24ah battery in a heavy-duty design.</p>	
<p>The Sealite lead lights are a popular aid to marine navigation. The advanced LED leading lights are made up of 48, 96 or 192 LED's housed in an IP66 rated heavy-duty enclosure.</p> <p>The units operate off a standard 8 - 20 volt power supply, and can be configured to operate from a mains powered system with solar and battery back-up in the event of power failure.</p>	
<p>Sealite low-medium intensity obstruction lights are ideal for operation in European regions for obstruction marking.</p> <p>The units use 20 ultra-high intensity LED's as a light source, have a range of 3 miles, and are available as either a heavy-duty aluminium unit, or a light-weight polycarbonate model.</p>	
<p>The Sealite SL80 barge light is one of the most advanced in the industry, and is designed to operate reliably and independent of the vessel's power. The lantern uses LED's as a light source, sectored into the required horizontal output. The unit will activate automatically at dusk, and continue to charge during daylight hours through the incorporation of two 5watt solar modules. An override 'on/off' switch allows the unit to be easily deactivated when not in service.</p>	
<p>The Sealite anchor light uses 10 ultra-high intensity LED's as a light source, providing a 2 nautical mile range and is ideal as a white mooring light. The unit operates off 12v and draws only 120mA of current - draining minimal power from the vessel's battery.</p> <p>Also available are variations of the configuration to include a number of required colours, horizontal output options and ranges of up to 3 nautical miles.</p>	
<p>As a designer and manufacturer of optical systems for use with LED's, Sealite is recognised worldwide as producing some of the most advanced lens and LED reflector (patents pending) designs. A number of lens options such as high-dome and positive or negative divergence lenses may be fitted to many products on request.</p> <p>Sealite also recognises that the high costs of producing these products is a barrier to many companies, and supplies a number of independent manufacturers throughout Europe and the U.S. with these components.</p>	

Buoys and Fenders

We can offer a wide range of fenders and buoys to suit all needs. From heavy duty rubber dock fenders and shock absorbers to inflatable from world renowned names such as Dan Hill and Castro. Chain (galvanised or self colour) from EYE compliments systems such as the rubber fenders below.



EYE supplies its own foam filled mooring and marker buoys, VERY heavy duty mooring and farm buoys from Castro and we can also supply a foam filled long line buoy float ideal for mussel farming from Ivy Blue of South Africa – a truly international assembly with prices to suit all pockets.




Dan-Hill manufactures in Denmark a range of buoys that are ideal for marina and small vessel moorings and are complimented by different sized fenders.

Long lasting and excellent value.

Orders will be shipped from EYE C^o, the stockist in UK, or direct from DHP's factory: small orders will, where possible, be combined to reduce delivery costs.


BUOYS

Pick Up Buoy

	Item no.	Diameter mm	Length mm	Buoyancy Kg	Eye Diameter mm
	PB30	240	760	8,0 kg	18

Mooring Buoys – Heavy Duty

All rods are warm-galvanized and rilsan treated.

	Item no.	Ø mm	Diameter mm	Length mm	Buoyancy Kg	Rod Diameter . mm
	M30	240	760	480	7,0 kg	12
	M40	330	1015	580	17,0 kg	12
	M50	405	1270	680	34,0 kg	16
	M60	480	1525	780	61,0 kg	16
	M75	605	1905	900	120,0 kg	16
	M100	810	2540	1140	260,0 kg	20

Heavy Duty Net / Marker Buoy

These “pear” shaped buoys are suited to a variety of purposes. Made of Vinyl and with a toughened ring these buoys are definitely world class.

In the field of aquaculture they have been successfully deployed as floats for mussel cultivation. Coming in a range of sizes and having, as standard, a large eye with stainless steel insert.

Item no.	Diameter. mm	Length mm	Buoyancy Kg	Eye mm
B20	160	510	2,0 kg	18
B30	240	760	8,0 kg	18
B40	320	1015	23,0 kg	28
B50	405	1270	46,0 kg	28
B60	480	1525	72,0 kg	28
B75	610	1905	118,0 kg	28
B100*	810	250	280,0	32
B120*	965	3028	540,0 kg	32
B135*	1100	3429	675,0 kg	32




These world class buoys are widely used in aquaculture and have the benefit at sites where environmental impact must be reduced such as coastal mussel farms.

Mooring Buoys – Heavy Duty


All rods are warm-galvanized and rilsan treated.

Item no.	Ø mm	Diameter mm	Length mm	Buoyancy Kg	Rod Diameter. mm
M30	240	760	480	7,0 kg	12
M40	330	1015	580	17,0 kg	12
M50	405	1270	680	34,0 kg	16
M60	480	1525	780	61,0 kg	16
M75	605	1905	900	120,0 kg	16
M100	810	2540	1140	260,0 kg	20



Bar Buoys – Heavy Duty: supplied without rod

Eye mm	Item no.	Diameter mm	Length mm	Buoyancy Kg
50	BB30	240	760	8,0 kg
50	BB40	320	1015	18,0 kg
50	BB50	405	1270	36,0 kg
50	BB60	480	1525	62,0 kg
50	BB75	605	1905	123,0 kg
50	BB100	810	2540	269,0 kg




Fenders from Dan-Fender


Suitable for use by a range of craft from small yachts to workboats and inshore fishing vessels these fenders are designed to protect whilst at the same time enhancing the appearance of your boat.

Centre hole


Standard with white rope

	Item no.	Diameter mm	Length mm	Buoyancy Kg.
	517	125	431	4,8 kg
	622	150	560	8,8 kg
	819	200	483	15,8 kg
	824	200	610	16,8 kg


Bow Fenders

Item no.	Distance between eyes	Diameter at thickest place	
1313 small	13" or 330 mm	4" or 102 mm	


Single Eye Fenders

	Item no.	Diameter mm	Length mm	Buoyancy Kg	Eye Diameter mm
	519	130	480	4,9	18
	624	150	610	9,3	18
	826	200	660	18,0	28

Minifenders (blowmoulded)

Item No.	Diameter mm	Length mm	Buoyancy	Eye Mm	
312	90	320	1,4 kg	12	
416	102	430	2,3 kg	12	
518	127	460	4,4 kg	12	
621	152	560	6,0 kg	14	

Competition Fenders

	Item no.	Diameter mm	Length mm	Buoyancy Kg	Eye Diameter mm
	521	125	510	5,0	18
	625	150	585	6,5	18
	828	200	705	23,0	28

Item no.	Diameter mm	Length mm	Buoyancy Kg	Eye mm
520	125	510	5,0 kg	18
623	150	585	6,5 kg	18
822	200	560	14,0 kg	28
827	200	705	23,0 kg	28
839	200	990	34,0 kg	28
1025	250	635	29,0 kg	28
1035	250	890	39,0 kg	28
1232	300	810	43,0 kg	28
1242	300	1060	55,0 kg	28
1555	380	1270	116,0 kg	32



Heavy Duty Fenders

Fenderstep

A safe and simple solution to boarding your craft from pontoon, quay or dinghy

This innovative product from Dan Hill is a winner. Available in Black, White and Blue.





famous for its tough range of buoys and fenders.

Heavy Duty inflatable ribbed Buoys and Fenders

MARKER BUOYS

The "A-HD" range of buoys comes in four sizes all with heavy duty eye. Extensively used by fishermen and excellent value.

The structure of the buoy is, we believe, stronger than competing markers world-wide.

Made from firm but flexible vinyl, flame resistant and specially selected for marine duty the buoys resist common solvents and mineral oils.



REF.	DIA.	CIRC.	LENGTH	EYE DIA.	Lift Kg.	WEIGHT
NBO-0	24 cm.	78 cm.	27 cm.	2 cm.	12 Kg.	0.7 kg.
A-1HD	31 cm.	100 cm.	48 cm.	2.5 cm.	18 Kg.	1.7 kg.
A-2HD	40 cm.	130 cm.	56 cm.	2.5 cm.	33 Kg.	2.5 kg.
A-3HD	50 cm.	158 cm.	64 cm.	2.5 cm.	60 Kg.	3.5 kg.
A-4HD	56 cm.	175 cm.	80 cm.	2.5 cm.	105 kg.	6.0 kg.

HEAVY DUTY BUOY / FENDER

An inflatable ribbed fender/buoy specially designed for industrial fishing.

These buoys have 80% less drag in the water than standard round buoys. This means faster pickups and less strain as these buoys skip along the surface of the water rather than digging as round buoys may do.

Particularly suited to potting and longline activities.



REF.	DIA.	CIRC.	LENGTH	EYE DIA.	LIFT KG.	WEIGHT
PA/R-2	32 cm.	98 cm.	60 cm.	2.5 cm.	32 Kg.	2.9 kg.
PA/R-3	41 cm.	125 cm.	76 cm.	2.5 cm.	57 Kg.	3.8 kg.

DHAN MARKERS

The "CC-HD" beacons are used for marking fishing nets, lines, pots, etc..

They are also widely used for various applications in aquaculture.

The "CC-DD" series are manufactured with a central hole that is heavily reinforced by special ribbing at the openings.

The material is resistant to all weather conditions and sunlight.



REF.	DIA.	CIRC.	LENGTH	HOLE	BUOYANCY.	WEIGHT
CC-1HD	31 cm.	97 cm.	36 cm.	3,8 cm.	13 kg.	1.9 kg.
CC-2HD	43 cm.	135 cm.	44 cm.	5,2 cm.	31 kg.	2.9 kg.
CC-3HD	52 cm.	164 cm.	55 cm.	5,2 cm.	59 kg.	4.3 kg.
CC-4HD	64 cm.	201 cm.	67 cm.	5,2 cm.	114 kg.	5.6 kg.
CC-5HD	81 cm.	253 cm.	85 cm.	8,1 cm.	224 kg.	11.6 kg.

Foam filled buoys

A range of foam filled buoys for all purposes.

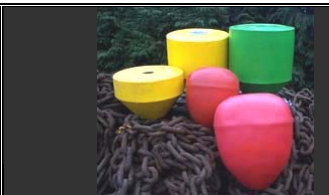
EYE's own foam filled mooring buoys have been specially produced to meet the harsh demands of the commercial user. The smaller versions have a strong one-piece polyethylene outer casing whilst larger sizes have a segmented casing. Both are filled with polyurethane foam. Sizes start at 75kg and go up to 200kg buoyancy.

We offer an assortment of galvanised steel centres that are suitable for a variety of uses or if preferred the cases only can be supplied with or without foam filling

Replacement Buoy Centres

Replacement galvanised buoy centres are available for all buoys, foam filled and inflatable, supplied by EYE C^o which manufacture and supply galvanised steel centres for all foam filled and inflatable buoys supplied from new. This capability allows EYE to provide buoy centres that are made to your specific requirement. All buoy centres supplied can be replaced when required, as the buoy is not moulded round them.

Circ. mm	Dia. mm	Height mm	Lift Kg
1690	540	380	75
1880	600	600	120
1690	540	760	150
3140	1000	360	200



Buoy with anti-twist steel loop

Moorings pickup fro CASTRO.
Filled with closed cell foam

REF.	DIA.	CIRC.	LENGTH	HOLE Ø	LIFT
CCF-2	40 cm.	125 cm.	45 cm.	5 cm.	23 kg.
CCF-3	50 cm.	155 cm.	55 cm.	5 cm.	55 kg.



Aquaculture Buoys



Colours: BLACK, GREY, BLUE, ORANGE, RED

MUSSEL FLOAT OR LOW COST HD CUSHION BUOY

Rotationally moulded polyethylene line buoy

For shellfish and other sea farms this is a heavy duty 200 litre buoy which has 10mm thick walls and can, if required, also be foam filled for sub-surface use (down to 5 bars).

This buoy has eyelets at either end to which swivels can be attached to give a very economic cushion buoy.

Dimensions: 1200 mm x 400 mm

HEAVY DUTY CUSHION BUOY

This big buoy has been specifically designed by Castro for fish farm operations from South America to the Arctic.

The body is one piece roto-moulded in polyethelene and filled with closed cell expanded polyurethane d = 45 Kg./m³. Through swivel is 30 mm ST52 galvanised steel.

Produced in two sizes both 1210m long but different diameter
PISCABUOY 850 - 680 kg of buoyancy (diameter 910mm).
PISCABUOY 1400 - 1100 kg buoyancy (diameter 1160mm).

Combine these buoys with our chain, anchors and accessories to meet your particular site requirements.

