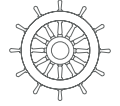
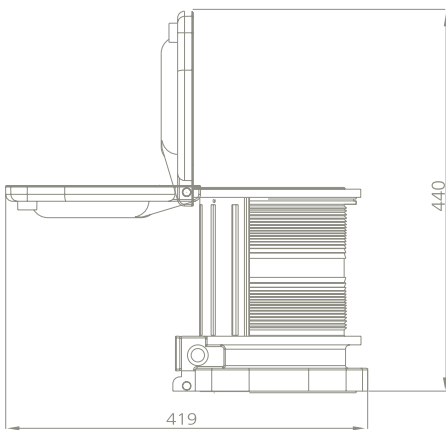




Oceanic | Single Deck Navigation Light



Starboard	Port	Masthead	Stern	Towing	Signalling	Manoeuvring	Suez	Steering
112,5° 3nm	112,5° 3nm	225° 6nm	135° 3nm	135° 3nm	360° 3nm	360° 3nm	135° 3nm	30° >2nm



Application

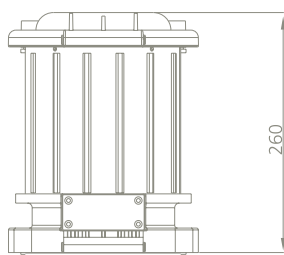
For all sea going vessels with a length of 20 meters or more
According to International Regulations for Preventing Collisions at Sea
1972 (72 COLREGS – IMO72)

Approval

Det Norske Veritas (DNV), according to EN-ISO 14744.

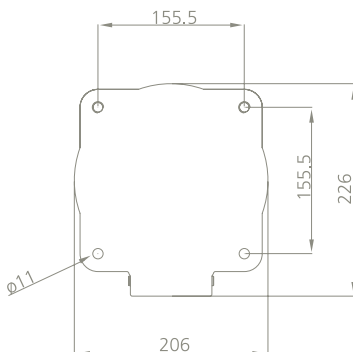
Technical Features

- Housing: Polycarbonate reinforced with fibreglass
- Lens: Polycarbonate fresnel lens, shock and UV resistant
- Fully resistant to sea environment
- Non magnetic
- Integrated terminal box in every light
- Access to bulb from above: Lamp easy to change
- Lamp holder: P28S
- Weight: 2 kg
- Protection: IP 66
- Input voltage: 24V 110V 220V
- Power consumption: 40W 60W 65W



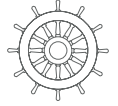
Optionals

- Delivery of custom made lights upon request
- Antivibration system

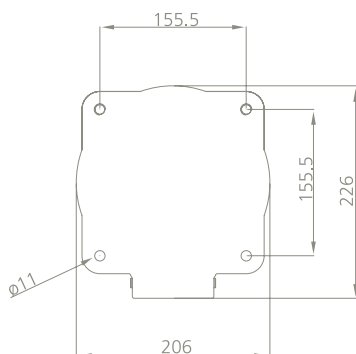
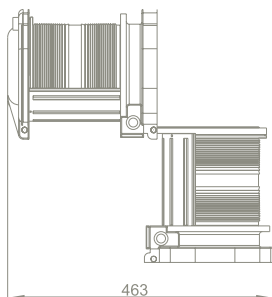
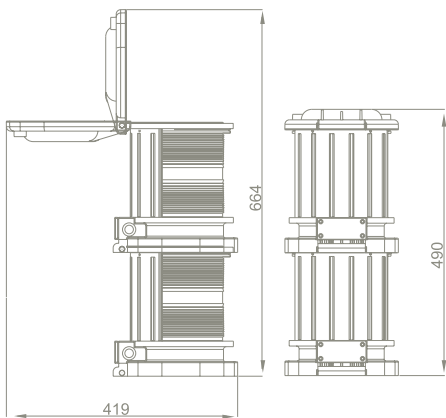




Oceanic | Double Deck Navigation Light



Starboard	Port	Masthead	Stern	Towing	Signalling	Manoeuvring	Suez	Steering
112,5° 3nm	112,5° 3nm	225° 6nm	135° 3nm	135° 3nm	360° 3nm	360° 3nm	135° 3nm	30° >2nm



Application

For all sea going vessels with a length of 20 meters or more
According to International Regulations for Preventing Collisions at Sea
1972 (72 COLREGS – IMO72)

Approval

Det Norske Veritas (DNV), according to EN-ISO 14744.

Technical Features

Housing:	Polycarbonate reinforced with fibreglass
Lens:	Polycarbonate fresnel lens, shock and UV resistant
Fully resistant to sea environment	
Non magnetic	
Integrated terminal box in every light	
Access to bulb from above:	Lamp easy to change
Lamp holder:	P28S
Weight:	2 kg
Protection:	IP 66
Input voltage:	24V 110V 220V
Power consumption:	40W 60W 65W

Optionals

Delivery of custom made lights upon request
Antivibration system



" OCEANIC " TYPE NAVIGATION LIGHTS

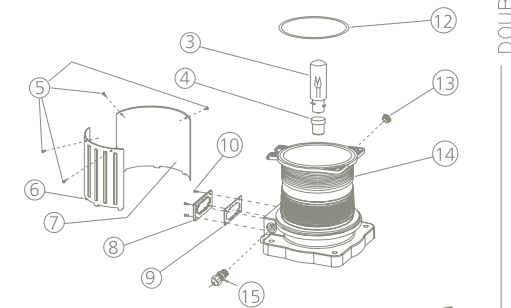
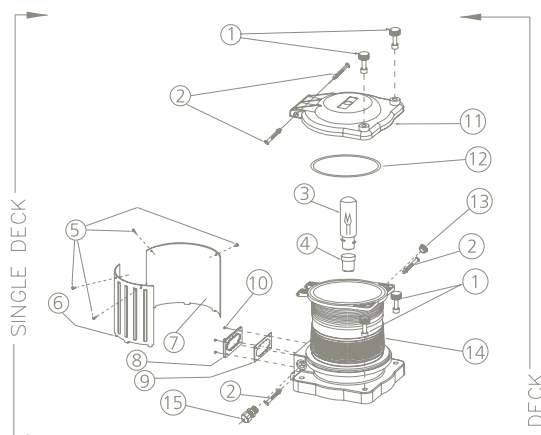
	PORT SIDE	STARBOARD SIDE	MASTHEAD	STERN	TOWING	ARW ¹	ARR ²	ARG ³
SINGLE DECK	OCEANIC-SBR	OCEANIC-SER	OCEANIC-STP	OCEANIC-SPP	OCEANIC-SRQ	OCEANIC-STHB	OCEANIC-STHR	OCEANIC-STH
REFERENCE	270-SBR	270-SER	270-STP	OCEANIC-SPP	270-SRQ	270-STHB	OCEANIC-STHR	OCEANIC-STH
DOUBLE DECK	OCEANIC-DBR	OCEANIC-DER	OCEANIC-DTP	OCEANIC-DPP	OCEANIC-ORO	OCEANIC-DTHB	OCEANIC-DTHR	OCEANIC-DTH
REFERENCE	270-DBR	270-DER	270-DTP	270-DPP	270-DRQ	270-DTHB	270-DTHR	270-DTHV
ANGLE	112,5'	112,5'	225'	135'	135'	360'	360'	360'
RANGE	3 MILES	3 MILES	3 MILES	3 MILES	3 MILES	3 MILES	3 MILES	3 MILES
COLOR	RED	GREEN	WHITE	WHITE	YELLOW	WHITE	RED	GREEN
VOLTAJE	24/115/230V	24/115/230V	24/115/230V	24/115/230V	24/115/230V	24/115/230V	24/115/230V	24/115/230V
POTENCIA	40/60/65W	40/60/65W	40/60/65W	40/60/65W	40/60/65W	40/60/65W	40/60/65W	40/60/65W

(1) ARW ALL ROUND WHITE
 (2) ARR ALL ROUND RED
 (3) ARG ALL ROUND GREEN

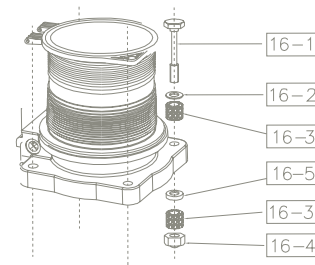
REMARK: EQUIPMENT EXPOSED TO THE WEATHER

PARTS LIST/ SPARES

Nº	DESCRIPTION	QUANTITY		REF			
		OCEANIC - S	OCEANIC - D				
1	Cover screw	2	4	270-010			
2	Hinge axle	2	4	270-020			
3	Bulb P28S 230V	1	2	20.550R/D			
	Bulb P28S 115V	1	2	20.570R/D			
	Bulb P28S 24V	1	2	20.580R/D			
4	Lampholder	1	2	1.000.20.640			
5	Screen screw			INOX A-4 DIN 7971 N 7			
					Port	4	8
					Starboard	4	8
					Masthead	2	4
	Stern.Towing	4	8				
6	Small screen			270-030			
					Port	1	2
					Starboard	1	2
					Stern.Towing	2	4
7	Big screen			270-040			
					Port	1	2
					Starboard	1	2
	Masthead	1	2	270-040			
8	Connecting box cover	1	2	270-050			
9	Connecting box gasket	1	2	270-060			
10	Connecting box screw	4	8	M4X16 A4 DIN84			
11	Cover	1	1	270-070			
12	O-ring 150x150ø	1	2	NBR			
13	Blind plug	1	2	44020011			
14	Lens subossy	1	2	270-080			
15	Cable gland PG11	1	2	CAP-TOP 2000			
16	Antivibration kit		1	270-100			
					Screw M10	4	270-110
					Flat washer	8	DIN 125 A4
					Cushion	8	CE 1046-A02
					Nut M10	4	DIN 985 A4
					Arandela de PVC	4	270-120



Antivibration kit



LIGHT SOURCES

MANUFACTURER	ARTICLE N°	UNILUX REF. N°	VOLTAGE	WATTAGE	BASE	CANDELS
RADIUM	261.22915	20.580.R	24 V	40 W	P28S	50 Cd
	261.22916	20.570.R	115 V	60 W	P28S	50 Cd
	261.22917	20.550.R	230 V	65 W	P28S	50 Cd
SM DANPLAMP	10 043	20.580.D	24 V	40 W	P28S	50 Cd
	10 067	20.580.D	115 V	60 W	P28S	50 Cd
	10 056	20.580.D	230 V	65 W	P28S	50 Cd

UNILUX GEOMAR

REV. N°	00	DOC REF.: 270/000- SD
DATE	17.02.2011	

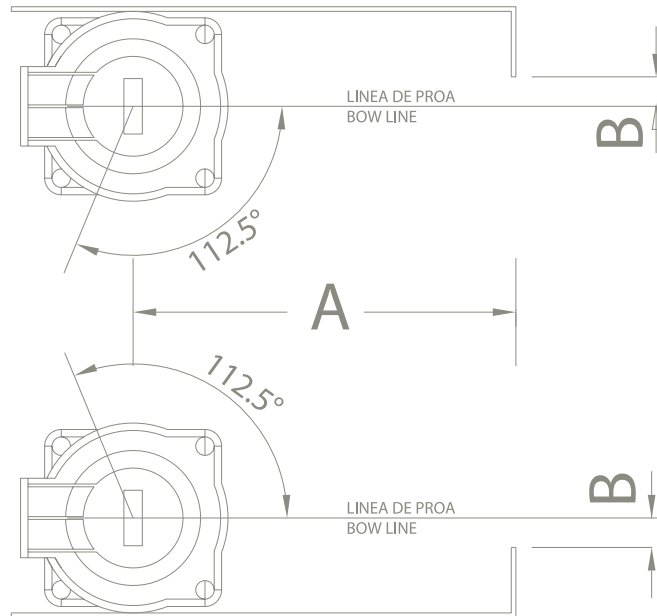
INSTRUCCIONES DE MONTAJE

MOUNTING INSTRUCTIONS

TIPO "OCEANIC-S" "OCEANIC-S" TYPE

LUZ DE ESTRIBOR STARBOARD SIDE

A	1000	1200	1400
B	35	42	49



LUZ DE BABOR PORT SIDE

MONTAJE

Las Luces OCEANIC deben montarse por su base con cuatro tornillos de M10.

La luz debe montarse de modo que:

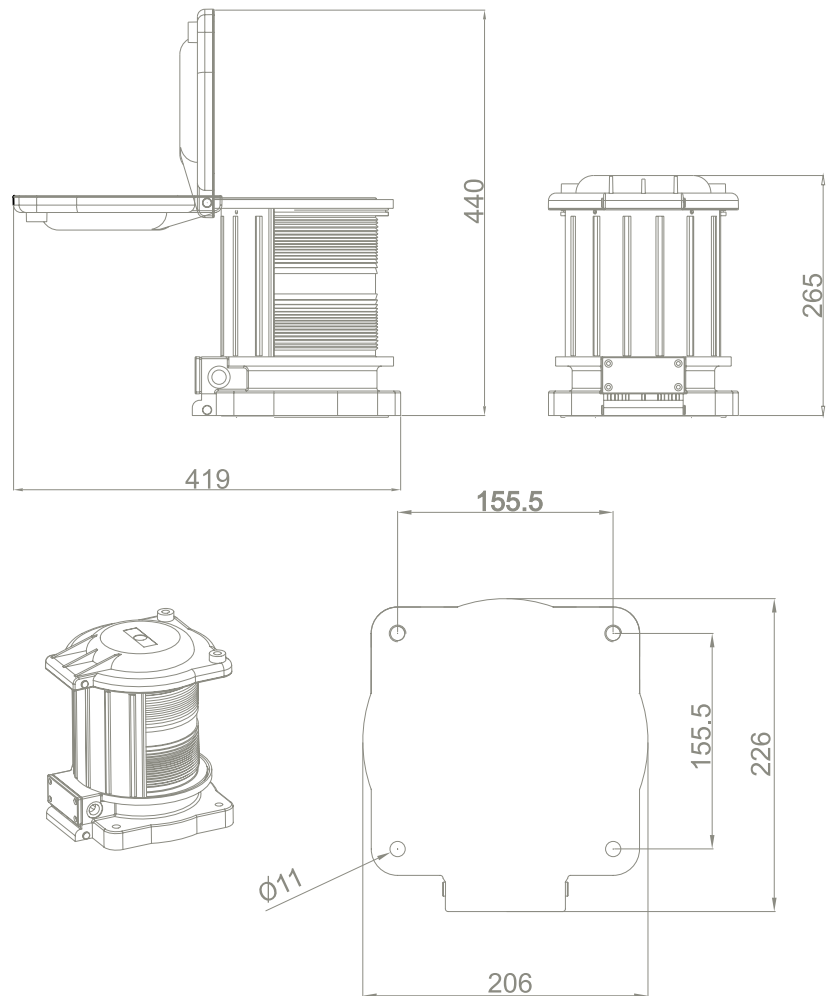
- Debe haber un facil acceso a la lámpara.
- La linea de proa debe ser lo mas paralela posible a la linea de crujía.
- Con el barco adrizado la luz debe estar totalmente vertical.
- No debe haber ninguna superestructura u objeto que oscurezca el sector luminoso.

MOUNTING

The lights OCEANIC should be mounted by means of 4 M10 bolts by its base.

The light should be mounted in such a way that:

- Permits an easy access to the bulb.
- Its zero signal mark, should be as parallel as possible to midships line.
- With the vessel completely right, the light has to be completely vertical.
- There should not be any object or superstructure obscuring the light path.



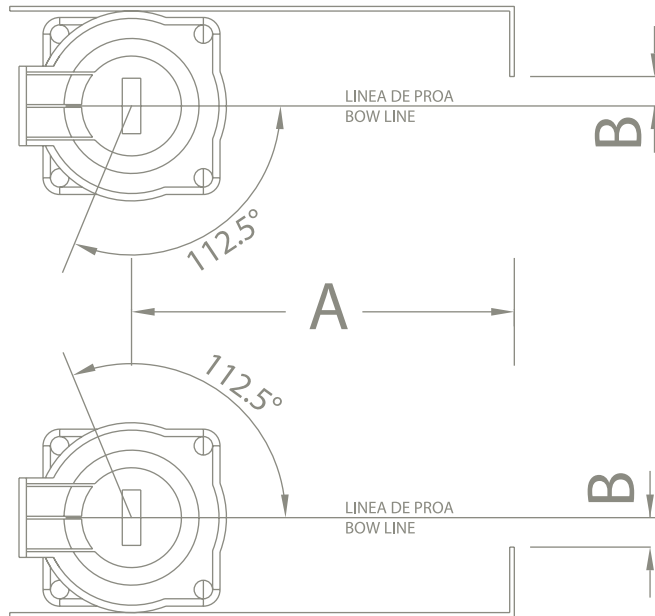
UNILUX GEOMAR		Denominación: FAROL SIMPLE "OCEANIC"
REV. N°	00	Denominación: SINGLE DECK "OCEANIC" LIGHT
DATE	17.02.2011	REF.: 270/000-S

INSTRUCCIONES DE MONTAJE MOUNTING INSTRUCTIONS

TIPO "OCEANIC-D" "OCEANIC-D" TYPE

LUZ DE ESTRIBOR STARBOARD SIDE

A	1000	1200	1400
B	35	42	49



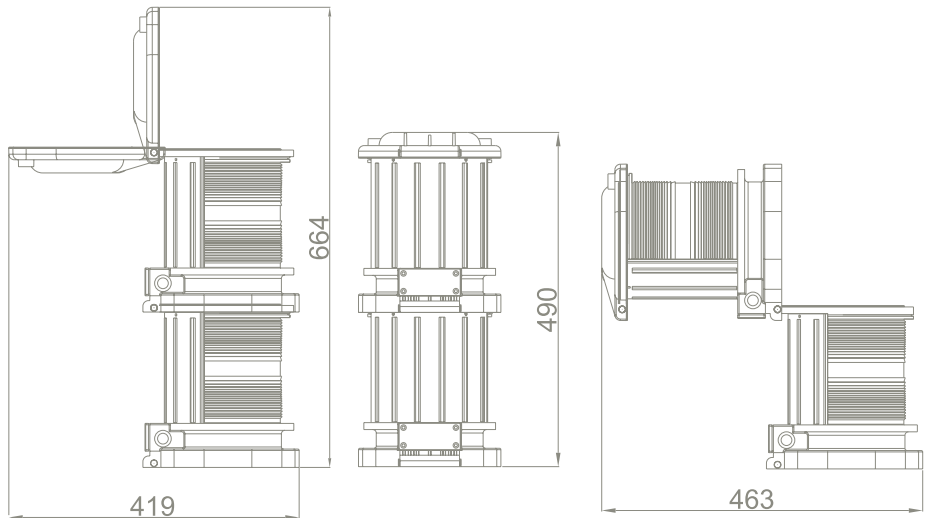
LUZ DE BABOR PORT SIDE

MONTAJE

Las luces OCEANIC deben montarse por su base con cuatro tornillos de M10.

La luz debe montarse de modo que:

- Debe haber un fácil acceso a la lámpara.
- La línea de proa debe ser lo más paralela posible a la línea de crujía.
- Con el barco adrizado la luz debe estar totalmente vertical.
- No debe haber ninguna superestructura u objeto que oscurezca el sector luminoso.

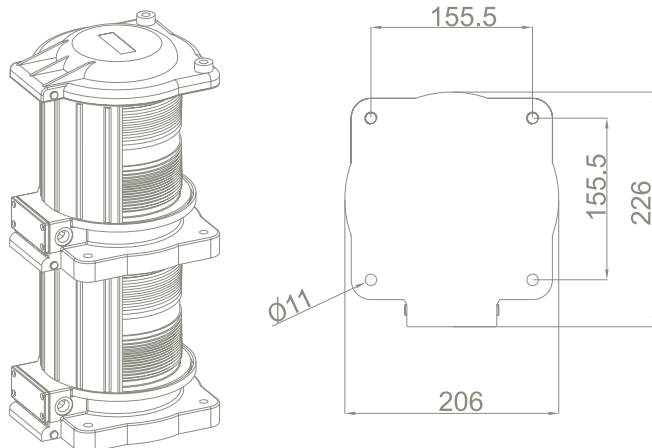


MOUNTING

The lights OCEANIC should be mounted by means of 4 M10 bolts by its base.

The light should be mounted in such a way that:

- Permits an easy access to the bulb.
- Its zero signal mark, should be as parallel as possible to midships line.
- With the vessel completely right, the light has to be completely vertical.
- There should not be any object or superstructure obscuring the light path.



UNILUX GEOMAR		Denomination: FAROL DOBLE "OCEANIC"
REV. Nº	00	Denomination: DOUBLE DECK "OCEANIC" LIGHT
DATE	17.02.2011	REF.: 270/000-D

MONTAJE A BORDO Y MANTENIMIENTO ON BOARD INSTALLATION AND MAINTENANCE

1- En la figura se muestra el montaje estandar de las Luces de navegación en un buque de mas de 50 mts. de eslora. En buques menores de 50 mts. se suprimiria una de las luges de tope.

2- Las Luces de tope y la de alcance, deben montarse en la linea de crujia, los topes con la marga de cero hacia la proa, y la de alcance con la marga de cero hacia la popa, procurando la mejor alineación posible con la linea proa-popa

3- las Luces de costado deben montarse con la marga de cero sobre una linea paralela a la linea de crujia y en direccion a la proa

4 - Para el correcto apantallamiento de las Luces de costado, en direccion hacia proa, debe dotarse a las faroleras de una pantallas exteriores, según colregs anexo I, punto 5 tal como se muestra en la figura. estas pantallas deben estar pintadas de negro mate.

5- El posicionamiento horizontal de las Luces debe efectuarse teniendo en consideración lo indicado en colregs, anexo I punto 3.

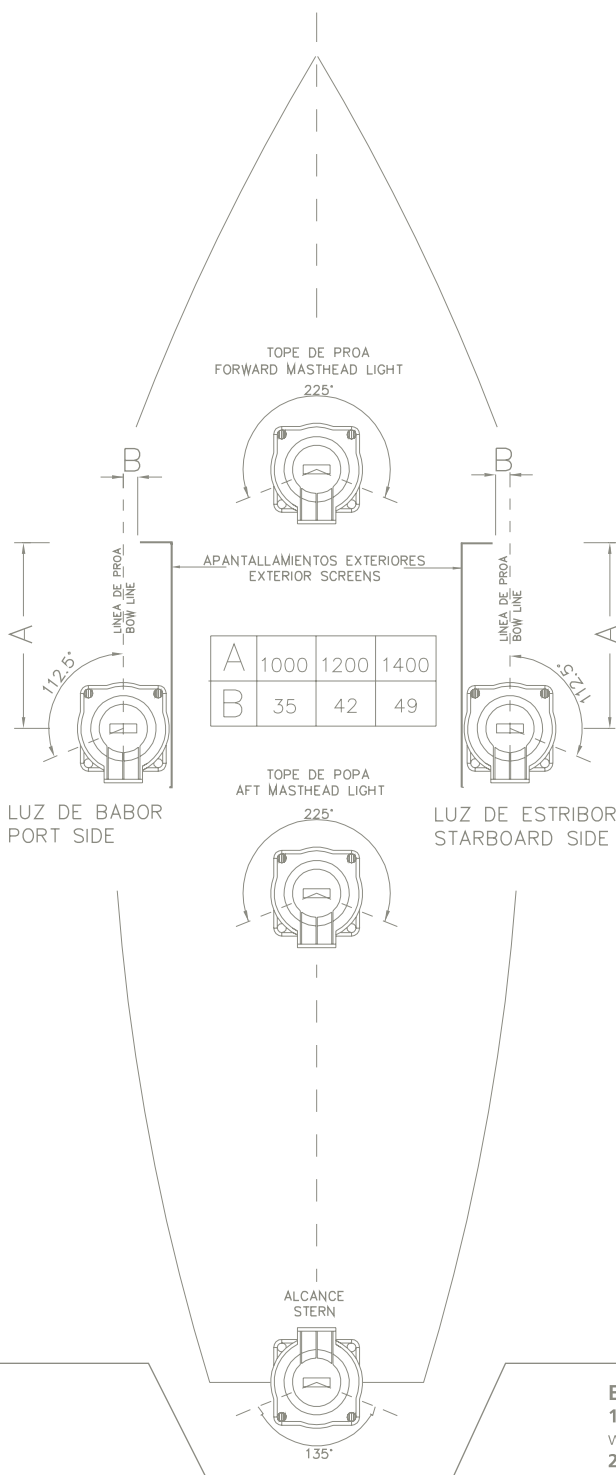
6- El posicionamiento vertical de las Luces, debe efectuarse teniendo en consideración lo indicado en colregs, anexo I, punto 2.

7- Las Luces "oceanic" han sido diseñadas para usar las lamparas que se indican en la informacion suministrada. cualquier otro tipo de lampara podria producir un defecto indeseado, con una emisión luminosa que no se ajustase a las normas internacionales con las que estas Luces han sido homologadas. Con objeto de evitar este problema se aconseja acopiar una cantidad de lamparas equivalente al 50% de las Luces de navegación que lleva el barco.

8- Las Luces "oceanic" estan libres de mantenimiento. Unicamente se aconseja para su limpieza periódica la utilización de agua y jabón, aplicados con un pafjo suave. No utilizar disolventes o productos quimicos agresivos.

CONEXIÓN ELECTRICA

- 1- Aflojar los cuatro tornillos (1) y separar la tapa (2) con su junta de estanqueidad.
- 2- Aflojar el prensa (5) e introducir a través de el el cable de alimentación (6). Siendo el prensa pg 11, el diametro admisible del cable debera estar entre 5 y 10 mm. sección de los conductores 0.75 mm.
- 3- Pelar los terminales (4) del cable de alimentación y estañarlos para garantizar un buen contacto electrico.
- 4- Introducir los terminales en los conectores de mordaza (3) garantizando que quedan bien amarrados
- 5- Tirar con suavidad del cable (6) y ayudar a que los terminales (3) se introduzcan en su alojamiento de la caja de conexiones.
- 6- Una vez conseguido lo anterior, volver a colocar la tapa (2) con su junta en su posicion original apretando bien los tornillos para garantizar una buena estanqueidad.
- 7- Apretar firmemente el prensa (5) hasta que el cable (6) quede mordido y no pueda desplazarse.



1- In the drawing, the standard installation of navigation lights for a vessel of more than 50 mts.- in length is shown- for vessels of less than 50 mts., one of the masthead lights will not be mounted.

2- Masthead and stern lights, should be mounted in the midships line, masthead with the zero mark in the forward direction and stern in the aft direction. Special care should be taken for the best alignment with the bow-stern line.

3- Side lights should be mounted with its zero mark over a line parallel to the midships line and in the forward direction.

4 - For correct screening of the side lights. in the forward direction the vessel should be fitted with outer screens according to colregs. annex i, point 5 as it is shown in the drawing. These screens have to be painted in black matt.

5- The horizontal positioning of the lights has to be done taking into consideration what is indicated in colregs, annex I, point 3.

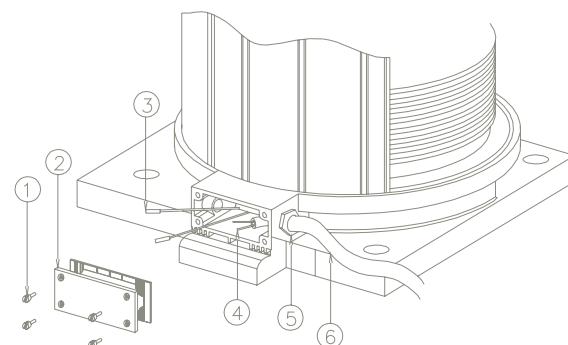
6- The vertical positioning of the lights has to be done taking into consideration what is indicated in colregs, annex I, point 2.

7- The "oceanic" type lights, have been designed to use the bulbs indicated in the supplied information. Any other type of bulb could produce an unwanted effect, with an emission of the light impairing the international standards to which TI-1E light has been homologated. in order to avoid this problem, it is highly recommended to procure a number of bulbs equivalent to 50% of the navigation lights installed on board.

8- The "oceanic" type navigation lights are maintenance free. It is only recommended, for its periodical cleaning to use a damp soft linen with soap being carefully applied on TI-1E lens. Do never use solvents or aggressive chemical products.

ELECTRICAL CONNECTION

- 1- Unscrew the 4 screws (1) and remove the cover (2) with its gasket.
- 2- Slacken the cable gland (5) and introduce through it the feeding cable (6) being the cable gland PG11, the admissible diameter of the cable should be between 5 and 10 mm. wire section to be 0.75mm.
- 3- Peel the feeding cable terminals (4) and introduce in a connecting pin to ensure a good electric contact.
- 4- Introduce the terminals in the clamping connectors (3) ensured they are firmly clamped.
- 5- Pull gently from the feeding cable (6) and help the terminals and connectors to come inside their housing.
- 6- Reassemble cover (2) and its gasket firmly tightening the screws (4) thus preventing water ingress.
- 7- Tighten strongly the cable gland (5) until the cable (6) is bitten and can not be moved.



UNILUX GEOMAR		Denominación: LUCES DE NAVEGACIÓN "OCEANIC"
REV. N°	00	Denominación: "OCEANIC" NAVIGATION LIGHT
DATE	17.02.2011	REF.: 270/000