



ELECTRICAL

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BATTERY ACCESSORIES

ADVISOR

What is a jumpstart?

Jumpstart is a device, which gives a boost to your battery to start, when the latter is dead or too low charged to start the motor of your boat or car.

What is an air compressor?

Air compressor is a device that pumps a constant flow of air into high-pressure items through a hose, eg. Boat fenders, tyre of a car.

What is an Inflator?

Inflator is a device, which can inflate and deflate low-pressure items for a long period of time, eg. Water tubes.

Instructions of Use

1. Jumpstart:

- a. Before use, make sure that the boat or vehicle to be jumpstarted is not running
- b. Attach the red clamp (+) to the positive terminal of the battery. Then connect the black clamp (-) to a non-moving metal part of the engine. Do not connect to the negative battery terminal.
- c. Switch the boat's ignition to the ON position and wait for 1 or 2 minutes
- d. Switch the boat to the start position for no more than 5 to 6 sec. If the engine does not start, wait at least 3 minutes before retrying
- e. When the engine starts, switch off the jumpstart and then disconnect the black clamp first, and then red clamp
- f. Return the clamps to their storage position on the jumpstart system
- g. Recharge the device as soon as possible

2. Air Compressor:

- a. When inflating a tire, lock the Hose Connector on the tire valve stem by pressing the lever down. When inflating an air mattress or any other similar item, place the appropriate adaptor into the hose connection
- b. Switch on the Air Compressor
- c. Run the Air Compressor for only 10 minutes at a time, being careful not to over-inflate. If you need to continue inflating, allow 25 minutes to cool down, and then switch on again
- d. Switch off the Air Compressor when the inflation is completed

3. Inflator:

- a. Insert the cigarette lighter plug of the inflator into the cigarette lighter socket of the Jumpstart, which is at the backside of it
- b. Place on the Inflator the appropriate inflator adaptor depending on the size of the valve you need to connect to inflate/ deflate
- c. Switch On the Inflator

4. Other appliances:

You can use the 'Sea Power' Jumpstart and Air Compressor to power up other appliances, such as mobile phones, spotlights, etc.

The appliances must be equipped with a cigarette lighter plug

- a. Uncover the cigarette lighter socket
- b. Insert the cigarette lighter plug of the appliance into the socket
5. Recharging: You can recharge the device either with the 12V Adaptor or with the Cigarette Lighter Recharger
 - a. Adaptor: Connect the Adaptor to the receptacle on the front panel and then plug it in to a 120VAC outlet. Allow 40 hours to recharge
 - b. Cigarette Lighter Recharger: Connect the plug into the boat's socket. Then connect the other end to the receptacle on the front panel (With this method the system will not recharge to the same 14 to 15 Voltage level as when using the Adaptor)

ATTENTION:

In order to use safely the device and to make sure that it will be with you for a very long time, please follow the advice given below and on the device:

1. Use only on boats and vehicles with 12V electrical systems
2. Always read and follow the Assembly and Operations Instructions booklet before using the 'Sea Power' Jumpstart & Air Compressor
3. Turn ignition off before connecting the cables
4. Electric shock can cause injury or death. Avoid touching exposed conductors of electricity
5. Do not allow the Black and Red clamps to come in contact, to avoid risk of explosion
6. Run the compressor continuously only for 10 minutes at a time. Allow cool down for 25 minutes before using again
7. Charge for 12 hours before first use, and charge after every use thereafter



Advisor



Information



New Product



Best Quality



Easy mounting



Batteries Operated



Pre-wired



Competitive Price



Captain's Suggestions

“Sea Power” Jumpstart and Air Compressor SP1

With the Sea Power Jumpstart stored in your boat or car, you will never have to worry if your battery is dead. The handy power source is especially designed to instantly start your boat and small craft or give power to electrical devices such as mobile phones, trolling motors etc. Additionally the device has a built-in Air compressor and Inflator ideal for you to inflate/ deflate your small boat, your mattress etc. The jumpstart power source is suitable for 12V electrical systems only and it is especially designed to operate even if it is left uncharged for 6 months. Manufactured from high quality materials, it features a safety switch, overload protection and automatic charge cut-off to prevent overcharging. For your convenience, it is equipped with voltmeter in order to check when the device needs to be charged and bright work light. Charging can take place either by using the cigarette lighter plug or the 3m long adaptor. Especially for the inflation/ deflation function, the Air compressor and Inflator features 3 nozzle adaptors depending on the size of the valve you need to connect. The Sea Power Jumpstart and Air Compressor is supplied with Operating Instructions and it is available in black colour.

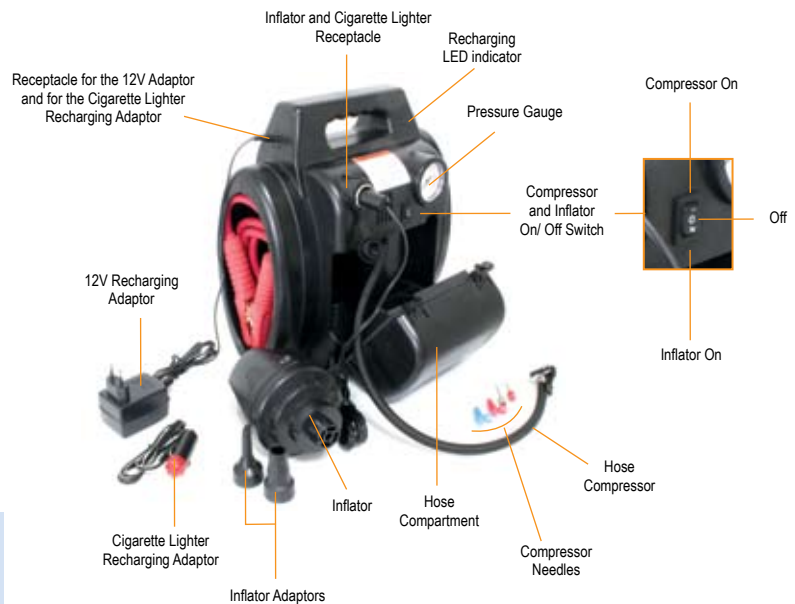
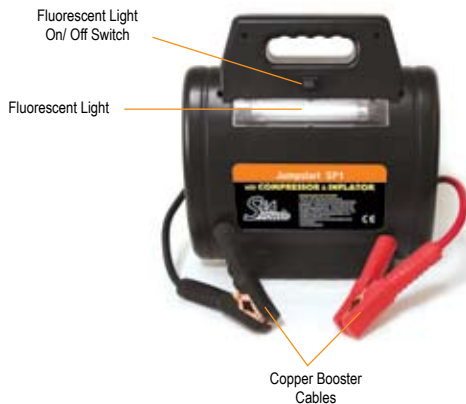


SPECIFICATIONS AND FEATURES

- 12V DC, 400 amps peak starting power
- 17amp-hours sealed lead acid, rechargeable battery
- Protection: thermostat for 12V DC, light 12V 4W
- Air compressor pressure: 260PSI Max, φ19mm
- Charger: 15V500MA, length of charger's wire: 1.4m
- Length of direct current charger's wire: 1.4m
- Length of clips wire: 41cm
- 3pcs accessories built-in fluorescent light on front
- On/ Off Switch
- CE & E-Mark Approved

Code.....31400

SP1



Features: 260PSI Max air compressor pressure, 12V DC, 400 amps peak starting power **Battery:** 17amp-hours sealed lead acid, rechargeable, **Protection:** thermostat for 12V DC, light 12V 4W, **Charger:** 15V500MA, **Approval:** CE & e 11

ELECTRICAL



“Sea Power” Jumpstart SP2

SPECIFICATIONS AND FEATURES

- 12V DC, 400 amps peak starting power
- 17amp-hours sealed lead acid, rechargeable battery
- Protection: thermostat for 12V DC, 2Amp current fuse for 3V/6V/9V
- Charger: 15V 500mA, Length of charger's wire: 1.4m
- Length of direct current charger's wire: 1.4m
- Length of clips wire: 41cm
- Built-in fluorescent light on back, light 12V 4W
- LED charging indicators, on/charge/off switch
- CE Approved

Code.....31401

SP2



Features: 12V DC, 400 amps peak starting power, **Battery:** 17amp-hours sealed lead acid, rechargeable, **Protection:** thermostat for 12V DC, 2Amp current fuse for 3V/6V/9V, **Charger:** 15V500MA, **Approval:** CE & e 11

BATTERY CHARGERS

Compact Battery Charger "Sea Power"

"Sea Power" battery charger helps to restore the state of charge in a battery of a boat, car or any other device. It has two clamps, one in red colour and the other in black. The red clamp is connected to the positive terminal of the battery while the black clamp is connected to the negative terminal of the battery. The "Sea Power" Compact Battery Chargers are available in 6A and 12A.

| Code | Description |
|-------|---|
| 31409 | Compact Battery Charger "Sea Power", 6A, 12V, w/ Volt & Current meter |
| 31410 | Compact Battery Charger "Sea Power", 12A, 12V/6V |

31409 - Input: 230V AC/ 50Hz, **Output:** 12V DC, **Power:** 6A, **Features:** LED Power Indicator, Fuse Protection, Volt-meter and Current-meter, **Material:** ABS Durable Case, **Approval:** CE

31410 - Input: 230V AC/ 50Hz, **Output:** 12V/6V DC, **Power:** 12A, **Features:** LED Power Indicator, Fuse Protection, switch DC **Material:** ABS Durable Case, **Approval:** CE



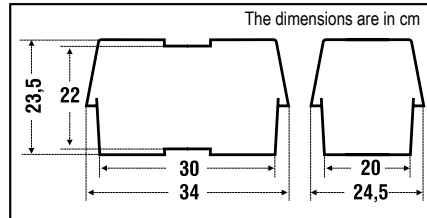
BATTERY BOX



Battery Box

Although most batteries are now constructed as sealed, it is always better to have them closed in an extra box. Constructed from highly resistant polypropylene, it has 4 points for ventilation that do not allow rain water or spray to pass through and 4 entry ports for power cables on the four corners. It is supplied with a retaining strap, which secures the battery box. Lalizas battery box is suitable for battery sizes up to L26,5 x W17,5 x H19cm.

Code.....11131



BATTERIES



31357

31337

31338

31339

Blistered Lalizas Alkaline Batteries

| | | | | |
|--------------|-------|-------|-------|-------|
| Code..... | 31357 | 31337 | 31338 | 31339 |
| Size..... | AAA | AA | C | D |
| Packing..... | 4pcs | 4pcs | 2pcs | 2pcs |

POWER INVERTER

Modified Sine Wave Inverter

A power inverter is an electronic device that converts low voltage 10-15V DC (direct current) battery power to 220 - 230V AC (alternating current) household power when shore power is not available. Power Inverters are ideal for trips in the boat or car to power laptops, cell phones and many other appliances. There is protection against overload, over temperature and low battery conditions with the automatic shutdown of the power inverter. Included a cigarette lighter plug. Available in 150W, 300W, 500W, 1000W.



| Code | 31373 | 31374 | 31375 | 31376 |
|---------------------------|---------------|-----------------|---------------|--------------|
| Max. Continuous Power (W) | 150 | 300 | 500 | 1000 |
| Peak Power (W) | 300 | 600 | 1000 | 2000 |
| Input Voltage Range (V) | 10 - 15V | | | |
| Output Voltage (V) | 220 - 230V | | | |
| Dimensions (L x B x H cm) | 14,6x10,5x5,8 | 21 x 13,5 x 6,5 | 24 x 14 x 6,5 | 30 x 16 x 12 |
| Weight (Kg) | 0,8 | 1 | 1,25 | 2,15 |

VACUUM CLEANER



Vacuum Cleaner 'Sea Power', 12V, 5m wire

This small sized vacuum cleaner is ideal for cleaning the interior of boats and cars. Includes a 5m power cord with 12V lighter plug, a standard wide-mouth attachment for cleaning furniture and a crevice attachment. Vacuum Power is 15mbar.

Code.....31403

Features: DC 12V, **Vacuum Power:** 1500Pa, **Power Source:** 12V cigarette lighter Plug, **Accessories Included:** standard wide-mouth attachment & crevice attachment



Electric Oscillating Fan "Sea Power", 12V/ 24V

This electric fan keeps the air moving in every corner by oscillating through a full 180°. It can be set in one of seven positions of pinpoint airflow and can be used either as a freestanding or attached to a wall.

Code.....31406

Characteristics: ON/ OFF Switch, 12V/ 24V Cigarette plug, **Blade:** diam. 15cm, **Material:** Plastic, **Approval:** CE, **Wire:** 1.80m, **Color:** White



Cabin Heater/ Fan "Sea Power", DC 12V, wire 1.80m

This heater is ideal for boats, cars and small offices. There are two settings, one for heat and the other for fan. It can be easily plugged in a 12V cigarette lighter socket.

Code.....31405

Features: DC 12V, Power 100 ~ 125 W, **Fan:** 12V, 0.6A, **Heat:** 12V, 7.5A, **Approval:** CE

COOLERS

Electric Cooler/ Heater portable "Sea Cool", 12V, 18L

This Electric Cooler/ Heater "Sea Cool" is ideal for the boat, car, camping or everywhere you need a portable cooler/ heater. It can be operated as a cooler by plugging the wire with the black end fitting facing the top (Picture 1) and as a heater by plugging the wire with the red end fitting facing the top (Picture 2). It cools up to 15°C below ambient temperature and it heats up to 30°C above ambient temperature. It is supplied with a 12V DC cigarette lighter plug and its capacity is 18L.

Code..... 31411
Capacity(lt)..... 18
Length(cm)..... 41
Width(cm)..... 29
Height(cm)..... 43

Power: 12V, **Consumption:** Heat 4,5A, Cool 4,5A, **Fuse:** 5A



Picture 1



Picture 2

ELECTRICAL

Portable Isothermal Cooler "SeaCool"

The Portable Isothermal Cooler "SeaCool" is suitable for all of your excursions. Elegant shaped with practical interior design, it can be ideally used in the boat, camping, picnic and everywhere you need a cooler with no electric function. Made of solid polyurethane foam it features high performance insulation in order to maintain the temperature of the contents. For even better performance it is suggested to fill it with ice. The Portable Isothermal Cooler "SeaCool" is available in 3 different sizes. They are equipped with large handle(s) for easy carriage and they have volume of 13lt, 48lt, 80 and 95lt.



Code..... 31377
Capacity(lt)..... 13
Length(cm)..... 38
Width(cm)..... 22
Height(cm).....37,5



Code..... 31378
Capacity(lt)..... 48
Length(cm)..... 63
Width(cm)..... 33
Height(cm)..... 37



Code..... 31404
Capacity(lt)..... 95
Length(cm)..... 75,5
Width(cm)..... 46,7
Height(cm)..... 44,2



Cordless Rechargeable Spotlight SPR, 6V/12V, 55W, 1.500.000CP
 This is a powerful spotlight that will help you light up the search area with its 1,500,000cd high intensity beam and 55W power. It can be operated on the included rechargeable battery or may be connected to an outlet for continuous use. Its sealed lead-acid batteries can be fully charged in 4 hours (DC current). The handle features a built-in switch and lock button for continuous operation or to avoid any accidental activation. It also has a LED light with switch.

Code.... 31402

Features: 6V/12V 55Watt, 1.500.000CP, **Power Source:** AC adapter and cigarette plug charger, **Waterproof:** water resistant, **Battery:** 6V 4Ah sealed lead acid, **Approval:** CE



Rechargeable Spotlight, 700.000CP, 6V/12V, 35W
 This Rechargeable Spotlight SPR is ideal for marine use, camping or for any emergency. It has 700.000 candlelight capacity and 35 Watt power. It can be operated on the included 12V rechargeable battery or may be connected to a 12V outlet for continuous use. Its sealed lead-acid battery can be fully charged in 4 hours (DC current). There is a locking trigger switch that enables the power switch to have the positions Lock ON/ OFF, Push ON/ OFF.

Code.... 31412

Beam Strength: 700.000CP; **Power Source:** 6V/12V, 35W; **Battery Type:** 6V 4Ah (sealed lead acid battery); **Bulb Fitting:** 35W halogen bulb; **Accessories included:** AC adapter and cigarette plug charging



Portable Halogen Spotlight 'Sea Power'
 Portable Spotlight 'Sea Power' is ideal for use on boats, camping and generally in all areas and at all times that you need strong light. It features a rugged impact resistant housing made from robust ABS plastic material to last in the marine environment. Equipped with an on-off switch on the handle for one-handed operation, the spotlight is very easy to use. It also features a coiled cable, which can be extended up to 2.8m and a universal cigarette lighter plug. The Portable Spotlight 'Sea Power' is equipped with a 12V, 5A, 100W halogen bulb and a lens 127mm wide.

Code..... 31309



ELECTRICAL

UTILITY LIGHTS



Code....31413

Rechargeable



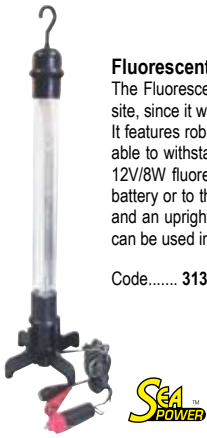
Code....31316*

With 4 x 1,5V D batteries

Fluorescent Lantern "Sea Power" 6V/12V, 7W
 The Portable Fluorescent Lantern is ideal for boats, camping, fishing and any other outdoor use. It is easy to carry because of its handle. The lantern features a 7W fluorescent tube, which provides designated areas with sufficient light without dazzling your eyes. The portable lantern comes in two different types. There is the portable lantern, which is powered by 4D cell batteries and there is also the rechargeable portable lantern, which is powered by charging its sealed lead acid battery with the supplied AC adapter or the cigarette plug charger. Available in yellow colour with black handle.

31316 - Fluorescent energy saving tube: 6V/12V, 7W, Batteries: 4x1.5V D cell, Height: 24cm, Approval: CE

31413 - Fluorescent energy saving tube: 6V/12V, 7W, Batteries: 6V 2.3Ah Sealed Lead Acid Battery, Height: 26,5cm, Accessories Included: AC Adapter and cigarette plug charger, Approval: CE



Fluorescent Worklight 'Sea Power' 12V / 8W

The Fluorescent Worklight is a must-have in your boat, car or camping site, since it will be proved useful in areas or times with not enough light. It features robust construction with polypropylene, resistant to spray and able to withstand temperatures from 10°C to 45°C. It is equipped with a 12V/8W fluorescent tube and it operates either by connecting it to the battery or to the cigarette lighter socket. With a 4.5m long cable, a hook and an upright supporting stand, the Fluorescent Worklight 'Sea Power' can be used in almost all areas.

Code..... 31311



Utility Light "Sea Power" 12V / 10W

The Utility Light 'Sea Power' is a simple solution to lighting your work area, cabin, the chart area on the boat, in the car or even at the camping site. Featuring a 12V/10W bulb, a reflector and a hook it will be very easy for you to use. The Utility Light 'Sea Power' is made of highly resistant polypropylene and is equipped with 4m cable and a cigarette lighter plug.

Code..... 31312

PLUGS & SOCKETS

Marine Plug and Socket Set 12Volt

The Marine Plug and Socket Set is ideal for all devices that need electrical power to operate, such as mobile phones, flashlights etc. Made from corrosion proof Nylon material, it is equipped with a built-in 10A fuse and a luminous LED power indicator light. The Lalizas Plug and Socket set features a watertight cap to prevent water intrusion and an interconnecting system that securely locks the plug into the socket. It is suitable for use only in 12V DC and is available in black colour.

Code..... 31306



Marine Plug, 12V / 10A

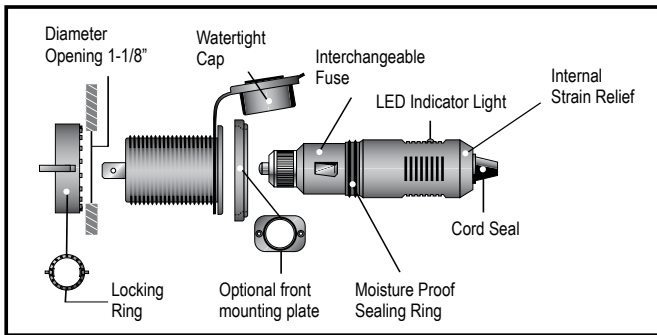
Code..... 31350

Triple 12V/24V Outlet Supply, Sea Power

The SeaPower Triple Deck Cable Connector can operate in both 12V and 24V working voltages. It is ideal to be used when 3 electrical devices need to be working simultaneously. All the metal parts, including the screws, are made of stainless steel, which makes the connector suitable for the marine environment.



Code.....31353



Marine Terminal Socket, 12V / 10A

Code..... 31307



NEW

Plug, male, 16A, 220-240V, blue

Code... 90394



NEW

Plug, female, w/ cover, 16A, 220-240V, blue

Code... 90395



NEW

Plug, female, w/ safety cover, 16A, 220-240V, blue

Code... 90396



NEW

Plug, male, w/ safety ring 16A, 220-240V, blue

Code... 90397



NEW

Cord Set w/ female plug 16A & Schuko Connector 16A, 220-240V, 4,5m cable, blue

Code... 90398

MARINE TORCHES



Flashlight, 2D, aluminium, silver
 Material: Aluminum
 Bulb Type: 6 LED & 1 Krypton / Xenon Bulb
 Working Hours: 20 hours of continuous use
 Lifetime of the LED: 100,000hrs
 Batteries: 2D
 Waterproof
 Shock resistant
 Code...70011



Flashlight, 3D, aluminium, anthracite
 Material: Aluminum
 Bulb Type: 6 LED & 1 Krypton / Xenon Bulb
 Working Hours: Over 20 hours of continuous use
 Lifetime of the LED: 100,000hrs
 Batteries: 3D
 Waterproof
 Shock resistant
 Code...70009



Lantern, LED, 4AA
 Material: ABS & PVC
 Bulb Type: 8 LED
 Life time of the LED: 80,000h
 Working Modes: 4LED/8LED
 Batteries: 4AA
 Code....70015



Flashlight, 4LEDs, 2AA
 Material: Rubber
 Bulb Type: 4 LED
 Voltage: DC 3.0VIt
 Batteries: 2AA
 Waterproof

Code.....70013



Flashlight, 5LEDs, 4AA
 Material: ABS
 Bulb Type: 5 LED
 Light Beam: 20m
 Batteries: 4AA
 Waterproof
 Suitable for diving

Code.....70012



ELECTRICAL



Headlamp, LED, 3AAA
 Material: ABS
 Bulb type: 8 LED
 Batteries: 3AAA
 Three working modes: 2LED / 4LED / 8LED / OFF
 Waterproof Level: IP44
 Diameter: 68mm
 Size: 30x77mm
 Weight: 95.3gr

Code.....31371*



Dome Light, LED, with movement & light sensor, 4AA
 Material: ABS
 Bulb Type: 6 LED
 Batteries: 4AA
 Automatically Activated by an Infrared Sensor

Code....70016



Caplight, LED, 2 x CR2032
 Material: ABS
 Bulb Type: 5 LED
 Life time of the LED: 100,000hrs
 Working Modes: 1LED/3LED/5LED
 Batteries: 2xCR2032 (Lithium)

Code....70014



* Batteries not included

NEW



Packing



Ring Connector

| Code | Colour | Diameter (mm) | For wire (mm ²) | Packing (pcs) |
|-------|--------|---------------|-----------------------------|---------------|
| 70465 | Red | 4,3 | 0,25 - 1,15 | 50 |
| 70466 | | 5,3 | | 40 |
| 70467 | Blue | 4,3 | 1 - 2,5 | 40 |
| 70468 | | 5,3 | | 35 |
| 70469 | | 6,4 | | 25 |
| 70470 | Yellow | 5,3 | 2,5 - 6 | 15 |
| 70471 | | 6,4 | | 15 |



Flanged Space Connector

| Code | Colour | Diameter (mm) | For wire (mm ²) | Packing (pcs) |
|-------|--------|---------------|-----------------------------|---------------|
| 70485 | Red | 4,3 | 0,25 - 1,15 | 50 |
| 70486 | Blue | 4,3 | 1 - 2,5 | 40 |
| 70487 | | 5,3 | | 35 |
| 70488 | Yellow | 5,3 | 2,5 - 6 | 20 |

Fully Insulated Disconnect - Double Crimp



| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70481 | Red | 0,25 - 1,15 | 20 |
| 70482 | Blue | 1 - 2,5 | 20 |
| 70483 | Yellow | 2,5 - 6 | 15 |

Snap Plug female



| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70492 | Red | 0,25 - 1,15 | 20 |
| 70493 | Blue | 1 - 2,5 | 20 |
| 70494 | Yellow | 2,5 - 6 | 15 |

Butt Connector



| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70489 | Red | 0,25 - 1,15 | 30 |
| 70490 | Blue | 1 - 2,5 | 25 |
| 70491 | Yellow | 2,5 - 6 | 13 |



Multi - Stack Connector

| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70484 | Blue | 1 - 2,5 | 20 |

Snap Plug Male



| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70495 | Red | 0,25 - 1,15 | 50 |
| 70496 | Blue | 1 - 2,5 | 45 |
| 70497 | Yellow | 2,5 - 6 | 25 |



Disconnect - Double Crimp

| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70475 | Red | 0,25 - 1,15 | 65 |
| 70476 | Blue | 1 - 2,5 | 45 |
| 70477 | Yellow | 2,5 - 6 | 25 |

Pin Terminal



| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70472 | Red | 0,25 - 1,15 | 40 |
| 70473 | Blue | 1 - 2,5 | 35 |
| 70474 | Yellow | 2,5 - 6 | 15 |



Disconnect - Funnel Entry

| Code | Colour | For wire (mm ²) | Packing (pcs) |
|-------|--------|-----------------------------|---------------|
| 70478 | Red | 0,25 - 1,15 | 55 |
| 70479 | Blue | 1 - 2,5 | 45 |
| 70480 | Yellow | 2,5 - 6 | 25 |

ANTENNA MOUNTS

NEW



Code.....98692

BEST VALUE

Fixed antenna mount, for standard thread 1x14", Diam. 70mm, H 41mm

BEST VALUE

NEW



Code.....99657

Four way antenna ratchet mount, with 2 adjustment knobs, for standard thread 1x14"

This ratchet mount antenna is made of reinforced nylon and can be fixed to the deck or bulkhead of your boat. Its two knobs allow you to adjust the antenna in several positions either vertically or horizontally. Set the antenna at the position of your preference and lock its knobs manually. A special rift on the top of the antenna is appropriate for coaxial and GPS cables. It is available in white colour.

BEST VALUE

NEW



Code.....70144

Antenna Rail mount, for 19,1 - 25,4mm rails, with 2 adjustment knobs, for standard thread 1x14"

This rail mount is made of reinforced nylon and it is fixed to rails of 19.1-25.4mm diameter. It has two adjustable knobs with which you achieve complete horizontal and vertical motion of the antenna. Two nuts on the side of the mount allow you to lock the position of the antenna. It has a special rift to hold coaxial and GPS cables.

NEW

BEST VALUE



Code.....99740

Universal antenna mount, for standard thread 1x14", H 100mm, white

BEST VALUE

NEW



Code.....98698

Antenna Ratchet mount, for 19,1 - 25,4mm rails, with adjustment knob, for standard thread 1x14"

This ratchet mount is made of reinforced nylon and it is installed on rails of 19.1 up to 25.4mm diameter. The ratchet mount includes a single knob so that you can adjust the horizontal position of the antenna manually. It is available in white colour.

BEST VALUE

NEW



Code.....98687

Four way antenna ratchet mount, with single locking knob, for standard thread 1x14"

This ratchet mount antenna is made of reinforced nylon and it is installed on the deck or bulkhead of your boat. It has one knob, which moves horizontally and it locks manually at the position of your preference. It is available in white colour.

NEW

BEST VALUE



Code.....99660

Antenna Rail mount, for 19,1 - 25,4mm rails, for standard thread 1x14", H 100mm, white

ELECTRICAL

SPEAKERS



Code.....31304

SEA SOUND

"Sea Sound" Speakers

With the Sea Sound Speakers installed in your boat, you can relax or party with your friends and loved ones listening to your favourite music. Ideal for use in boats, since they are water and corrosion proof. There are two types of speakers among which you can choose; the 2-way and 3-way speakers. The 2-way speakers can be mounted both indoors and outdoors. On the other hand the 3-way speakers are used inside the boat and can be mounted either horizontally or vertically allowing the speakers 360° of movement. Available in black and white colour.

Technical specification:

Impedance: 4 Ohm
Sensitivity: 92 db
Frequency response: 80-20000Hz
Peak Power: 180W (per pair)
RMS Power: 60W (per pair)
Material: Polypropylene cone
Magnet: 5.4Oz

Dimensions

Height: 21cm
Depth: 12cm
Width: 13.5cm



SEA SOUND



| | | |
|--------------------|---------|---------|
| Code..... | 31302 | 31303 |
| Diameter (in)..... | 5' 1/4" | 6' 1/2" |
| Watt..... | 80W | 100W |
| Colour..... | White | White |

Technical specification:

31302

5 1/4" 2 Way Speaker Set 80W
Impedance: 4 Ohm
Sensitivity 88db
Frequency response: 80-18000 Hz
Max: 80W (per pair)
RMS Power: 70W (per pair)
Material: UV-stabilised ABS plastic
Dimensions: 5,25" (13,34cm)

Mounting dimensions

depth: 75mm, hole: 135mm
Magnet: 238g (5.4oz + 3oz)

31303

6 1/2" 2 Way Speaker Set 100W
Impedance: 4 Ohm
Sensitivity 90db
Frequency response: 60-18000 Hz
Max: 100W (per pair)
RMS Power: 80W (per pair)
Material: UV-stabilised ABS plastic
Dimensions: 6,5" (16,5cm)

Mounting dimensions

depth: 88mm, hole: 165mm
Magnet: 411g (8oz + 6.5oz)

NEW



| Code | Colour | Switches | Volts DC |
|-------|--------|----------|----------|
| 70576 | White | 3 On-Off | 12/24 |
| 70577 | Grey | 3 On-Off | 12/24 |
| 70578 | Black | 3 On-Off | 12/24 |

Switch Panel Base, with switch & fuse

Switch Panel Bases are made of hard plastic and are designed to fit in small and medium size boats. Switches on these panels include Led lights to indicate that the electrical devices on your boat receive electricity. The switches are covered with a plastic, waterproof cover to protect them from UV radiation, water and salt. Fuse holders on the panels (31392) hold 6,3A fuses and have a maximum loading of 10A. The fuses are made of polymer PTC, which stops electricity-flows in case of a short circuit. Switch panel bases are combined with the frames 70579-70587 to meet your needs for 3, 6 or 9 switches on the central panel of your boat. Switch panels are supplied with functional labels, which indicate the type of device that each switch controls. Switch panel bases are launched in white, grey and black colour.

- Additional features
- ON-OFF switches.
 - For use only in 12/24V DC
 - Maximum loading 10A
 - Completely wired and ready to install

Switch Panel Frame

Switch panel frames are made of hard plastic and are combined with bases units 70576-70578. These frames hold one (70579-70581), two (70582-70584) or three (70585-70587) switch panels which gives you the option to have three six or nine switches in line. Switch panels are available in white, grey and black colour, which makes an ideal combinations.

| Code | 70579 | 70580 | 70581 | 70582 | 70583 | 70584 | 70585 | 70586 | 70587 |
|-------------|--------|-------|-------|--------|-------|--------|-------|-------|-------|
| Description | Single | | | Double | | Triple | | | |
| Colour | White | Grey | Black | White | Grey | Black | White | Grey | Black |
| Length | 9,5cm | | | 18,5cm | | 27cm | | | |
| Width | 10cm | | | | | | | | |



NEW

BEST VALUE



Fuse holder w/ fuse 6A 250V
Code... 31392

BEST VALUE



Switch key for switch panels
Code... 31391

NEW

BEST VALUE



Switch panel key w/ manual on & auto off
Code... 70588

Switch Panel with Conventional switches

LPS 4 has been designed for the complete control of the boat from one position. It is a four-switch panel, available in four combinations of switches (ON-OFF, ON-OFF-ON, MOM-OFF-MOM) and can be combined with more panels of the same kind to cover as many operations needed. LED lights, resettable PTC fuses are some of the most important features that will make the difference on board. Electrical and electronic circuits of the panel are completely sealed off by means of silicon cables and a durable plastic internal cover. LPS-4 is constructed with durable Nylon 6 plastic and does not need any maintenance under normal conditions of use.

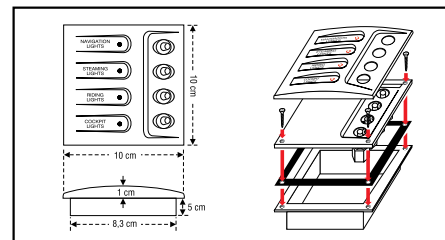
Additional Features:

- Durable, UV - water - salt resistant, conventional switches protected by high quality neoprene rubber boots
- Solid state resettable PTC fuses that, on over-current, change to a high resistance device
- Covered bolts and screws
- Various combinations of switches (ON-OFF, ON-OFF-ON, MOM-OFF-MOM)
- LED Lights indicate operating devices
- LALIZAS Switch Panels LPS-4 are available in black



1 YEAR GUARANTEE

| Code | Description | Colour | Switches | Fuses | Size in cm | | | Volts DC |
|-------|-------------|--------|-------------|----------|------------|-------|-----------|----------|
| | | | | | Height | Width | Thickness | |
| 31180 | LPS-401 | Black | On-Off | Polyfuse | 10 | 10 | 1 | 12V |
| | | | On-Off | | | | | |
| | | | On-Off | | | | | |
| | | | MOM-OFF-MOM | | | | | |
| 31182 | LPS-402 | Black | On-Off-On | | | | | |
| | | | On-Off-On | | | | | |
| | | | On-Off | | | | | |
| | | | MOM-OFF-MOM | | | | | |
| 31184 | LPS-403 | Black | On-Off-On | | | | | |
| | | | On-Off-On | | | | | |
| | | | On-Off-On | | | | | |
| | | | MOM-OFF-MOM | | | | | |
| 31186 | LPS-404 | Black | On-Off-On | | | | | |
| | | | On-Off-On | | | | | |
| | | | On-Off | | | | | |
| | | | On-Off | | | | | |



Toggle Switch ON-OFF 2Position
Code.... 01888



Toggle Switch ON-OFF-ON 3Position
Code.... 01889



Toggle Switch MOM-OFF-MOM 3Position
Code.... 01890

SWITCH PANELS

Switch Panels "SP Economy"

Lalizas Switch Panels SP Economy have been especially designed for use on small and medium sized boats. They allow you to control any desired device, such as bilge pumps, navigation or cabin lights etc. Both switches and fuse holders are waterproof for protection against water. Switch Panels SP Economy are constructed from INOX 316 for durability and resistance to corrosion. They are available with 3 and 6 ON/OFF Toggle switches.

Switch Panel "SP3 "Economy", 3 waterproof switches, Inox, 12/24V, 100x90mm
Code..... 31380



Switch Panel "SP6 Economy", 6 waterproof switches, Inox, 12/24V, 100x165mm
Code..... 31381



On-Off Switch Toggle, for economy series
Code... 31389

BEST VALUE



Fuse holder w/ fuse 6A 250V
Code... 31392



Switch rubber protector ON-OFF Toggle
Code... 31390

Switch Panels "SP Professional"

Lalizas Switch Panels SP Professional are especially designed for the complete control of any desired device, such as bilge pumps, navigation or cabin lights, for interior use. They have thermo magnetic switches, which provide protection against any reverse current preventing negative effects. Each thermo magnetic switch is linked with a LED, indicating when switch is ON. Switch Panels SP Professional are constructed from INOX 316 for durability and resistance to corrosion and they are electrostatic painted in black colour. They are available with 3 and 6 thermo magnetic switches.

Switch Panel "SP3 Professional", 3 magnetic switches with LED bulb, Inox, 12/24V, 115x110mm, Black
Code..... 31382



Switch Panel "SP6 Professional", 6 magnetic switches with LED bulb, Inox, 12/24V, 115x194mm, Black
Code..... 31383



Magnetic Switch DC 10A
Code... 31388



LED Bulb, green, multiuse 10-28V DC
Code... 31386



LED Bulb, red, multiuse 10-28V DC
Code... 31387

Switch Panels "SP Offshore"

Lalizas Switch Panels SP Offshore are mainly designed for exterior use on small and medium sized boats. They have waterproof switches with bulb, indicating when switch is ON / OFF and automatic thermal switches, which Reset for protection against any reverse current preventing negative effects. Switch Panels SP Offshore are constructed from INOX 316 for durability and resistance to corrosion and they are electrostatic painted in black colour. They are available with 3 and 6 waterproof switches.

Switch Panel "SP3 Offshore", 3 waterproof switches with bulb and 3 Reset fuses, Inox, 12V, 115x110mm, Black
Code..... 31384



Switch Panel "SP6 Offshore", 6 waterproof switches with bulb and 6 Reset fuses, Inox, 12V, 115x194mm, Black
Code..... 31385



Waterproof Switch, for SP Offshore
Code... 31397



Automatic thermal switch, 10A
Code... 31395



Rubber protector for automatic thermal switch
Code... 31396

Pump Switch

Lalizas Pump Switch allows you to operate your boat's bilge pump automatically, manually or even switch it off. It is water resistant, with indication light so that you know when the device is operating. The Lalizas Pump switch is constructed from INOX 316 for durability and lifetime protection against corrosion. It is available in charcoal colour.

Features:

- Auto-Off-Manual switch
- For use only in 12/24V. Maximum load per switch 15A
- Coated with electrostatic paint
- Completely wired and ready to install
- Two years Warranty

2 YEARS GUARANTEE

INOX 316



| Code | Switch* | Dimensions (cm) | | Colour | Volts DC |
|-------|---------------------|-----------------|-------|----------|----------|
| | | Height | Width | | |
| 31301 | 1* Auto-Off -Manual | 7,5 | 7 | Charcoal | 12-24 |

* Waterproof switch with light

SP Ultra Switch Panels

Lalizas Switch Panels SP Ultra have been especially designed for use on small and medium sized boats. They allow you to control any desired device, such as bilge pumps, navigation or cabin lights etc, at the touch of a button. They feature waterproof switches, for the protection against water and indication light for ease of use. Switch Panels SP Ultra are constructed from brushed INOX 316 for durability and resistance to corrosion and harsh conditions. They are available in five models with 3, 4, 6, 9 and 12 switches and in two colours, natural or charcoal.

Additional features:

- ON-OFF switches
- For use only in 12/24V DC. Max load per switch 10A
- Panels in charcoal colour are coated with electrostatic paint
- Completely wired and ready to install
- All Lalizas SP Ultra Switch Panels have three years warranty.



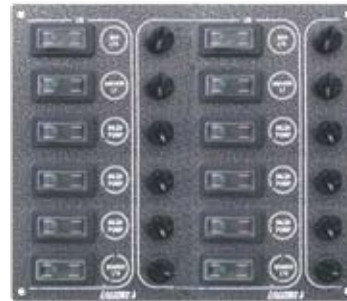
31289



31292



31295



31300

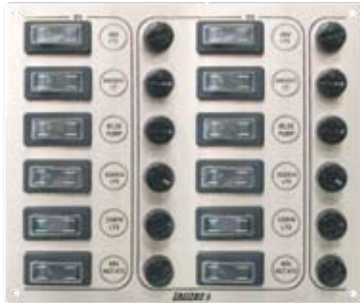


31298



31297

3
YEARS
GUARANTEE



31299



31294

INOX
316



31291



31288

| Code | Description | Colour | Switches* | Dimensions (cm) | | Volts DC |
|-------|--------------|----------|-----------|-----------------|-------|----------|
| | | | | Height | Width | |
| 31288 | "SP3" Ultra | INOX | 3 On-Off | 9 | 10 | 12-24 |
| 31289 | "SP3" Ultra | Charcoal | 3 On-Off | 9 | 10 | 12-24 |
| 31291 | "SP4" Ultra | INOX | 4 On-Off | 11,5 | 10 | 12-24 |
| 31292 | "SP4" Ultra | Charcoal | 4 On-Off | 11,5 | 10 | 12-24 |
| 31294 | "SP6" Ultra | INOX | 6 On-Off | 16,5 | 10 | 12-24 |
| 31295 | "SP6" Ultra | Charcoal | 6 On-Off | 16,5 | 10 | 12-24 |
| 31297 | "SP9" Ultra | INOX | 9 On-Off | 24 | 10 | 12-24 |
| 31298 | "SP9" Ultra | Charcoal | 9 On-Off | 24 | 10 | 12-24 |
| 31299 | "SP12" Ultra | INOX | 12 On-Off | 18 | 16,5 | 12-24 |
| 31300 | "SP12" Ultra | Charcoal | 12 On-Off | 18 | 16,5 | 12-24 |

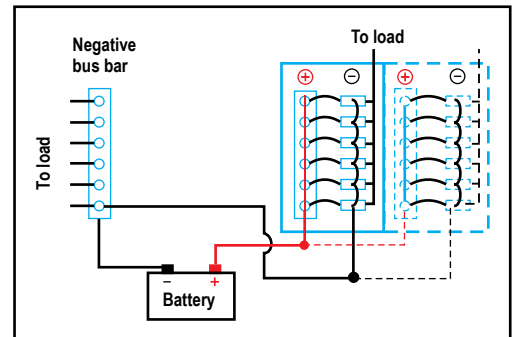
* Waterproof switches with light



BEST VALUE

Switch key for switch panels

Code... 31391



Self-adhesive function labels for switch panels - set of 24pcs

These labels are ideal for use with the Lalizas Switch panels. They are very simple to mount, easy to read and they are made to withstand long-term use. Each set features 24 labels.

INSTRUCTIONS OF USE

First clean the surface with pure alcohol. Remove the back paper of the label. Attach the latter to the cleaned surface by slightly pressing it. During wintertime, first warm up the top of the labels, using a hair-dryer, before applying.

Code.....11497





Navigation and signal lights

What are navigation lights? Lights, which during the night make visible the situation and the direction of a boat, in order to facilitate navigation and avoid collisions at sea.

Types: All boats, irrespective of their size, must have 4 (four) types of navigation lights:

- Masthead lights:** These lights are placed on the mast and give continuous white light at an angle of 225°. Pole lights must be visible from a distance of 2 to 6 nautical miles, depending on the length of the boat.
- Side lights:** It is a set of two lights that are placed on the sides of the boat. There is one green light placed on the right side (starboard) and one red on the left (port). Each must be visible at a 112.5° angle and from a distance of 1 to 3 nautical miles, depending on the length of the boat
- Stern lights:** This type of light is placed on the stern of the boat and gives continuous white light at an angle of 135°. Depending on the length of the boat stern lights must be visible from a distance of 2 to 3 nautical miles
- All round lights:** The lights of this category give white, red, blue, green or yellow light at an angle of 360°. It is visible from a distance of 2 to 3 nautical miles, depending on the length of the boat.

Categories: Apart from the above division, Lalizas navigation lights are categorized according to the type or length of the boat.

- **12 metres:** The navigation lights of this category are especially designed for use on boats up to 12 metres in length

- **20 metres:** Respectively in this category the lights are intended for use on boats up to 20 metres

- **Pole light:** These lights have their own category due to their diversity in design in relation to the rest of the navigation lights

- **Powerboat:** Navigation lights that are intended for powerboats have a separate category since they have differences in design and construction from the rest

- **All round:** This category includes all signal lights

Materials: Lalizas has set very high quality standards in manufacturing its products, in order for you to enjoy the best result. Specifically the outer shell of the navigation lights can be either a mixture between Nylon and Plexiglas or ABS plastic, which are resistant to UV rays. Depending on the type and model, the lenses are made from Plexiglas (PMMA), polycarbonate or acrylic, in order to have longevity. The contacts are either stainless steel or brass (new navigation lights). All models have nitrile water resistant seal to provide reliable long life.

The Regulations: The regulation that refers to navigation lights is the Collision Regulation '72, also known as COL.REG. 72. According to this, all vessels must show navigation and signal lights, in order to avoid collisions at sea. Although all countries commonly accept the COL.REG 72, each country sets its own requirements that are considered necessary. These can be more tests, such as vibration or water resistance tests and many more. Due to the variations from country to country and also due to the fact that there is not a European Directive, manufacturers must have certifications from each country. Depending on the model, Lalizas navigation lights, are certified by countries such as Greece (E.E.P.), Italy (RINA), France (SN), UK (DOT), Netherlands (NMD), Australia (DOT), Spain (DGMM) and South Africa (DOT). It is necessary to follow the regulations on the type, positioning and operation of the navigation lights on board a boat, in order that you are safe and satisfy the requirements set by the relevant countries each time.

Internal & External Lights

Apart from Navigation and Signal lights we also offer a range of internal and external lights, suitable for cabin lighting, chart tables, companion ways, steps etc. For your convenience, LALIZAS has designed a range of new LED lights and fixed spreader lights. The LED lights use four 12V, low current draw, LED bulbs, while the fixed spreader light includes a 12V 10W festoon bulb. Easy to fit, they are made from UV resistant, ABS and Polycarbonate to ensure high durability and long life. They are available in various cover colours to match your boat.

USE OF SIGNAL & NAVIGATION LIGHTS

ELECTRICAL

| | | | | | | | | |
|---|--|---|--|--|--|--|--|--|
| <p>Powercraft underway, less than 7m L.O.A., speed 7 knots Including yacht under power</p> <p>Signal White Light</p> | | <p>Motor driven vessel less than 12 m</p> <p>Masthead Light - Vertical Mount</p> <p>Stern White Light</p> <p>Starboard Green Light</p> <p>Port Red Light</p> | | | | | | |
| <p>Powercraft underway, less than 12m L.O.A. when masthead & stern cannot be mounted.</p> <p>Signal White Light</p> <p>Port Red Light</p> <p>Starboard Green Light</p> | | <p>Motor driven vessels 12m up to 20m L.O.A.</p> <p>Masthead Light - Vertical Mount</p> <p>Stern White Light</p> <p>Bi-Colour Light</p> | | <p>Motor driven vessels 12m up to 20m L.O.A.</p> <p>Masthead Light - Vertical Mount</p> <p>Stern White Light</p> <p>Port Red Light</p> <p>Starboard Green Light</p> | | | | |
| <p>Sailing vessels less than 20m L.O.A.</p> <p>Signal Tri Colour Light</p> | | | <p>Sailing vessels less than 20m L.O.A.</p> <p>Stern White Light</p> <p>Bi-Colour Light</p> | | | <p>Sailing vessels more than 20m L.O.A.</p> <p>Signal Green Light</p> <p>Signal Red Light</p> <p>Stern White Light</p> <p>Starboard Green Light</p> <p>Port Red Light</p> | | |
| <p>Vessel at anchor, aground or at pier (jetty) from 12m aground</p> <p>2 Signal Red Lights - Vertical Mount</p> <p>Signal White Light</p> <p>2 Signal Red Lights - Vertical Mount</p> <p>Signal White Light</p> | | | <p>Restricted in manoeuvrability sailing and power boats more than 20m L.O.A.</p> <p>2 Signal Red Lights</p> <p>Signal White Light</p> <p>2 Signal Red Lights</p> <p>Signal White Light</p> | | | <p>Not under command sailing and power boats more than 12m L.O.A.</p> <p>2 Signal Red Lights - Vertical Mount</p> | | |



According to the COL.REG. 72 pole light should be placed higher than the sidelights. In this way, it is much easier for other boats to calculate their position in relation to yours and your direction. Furthermore, due to the various designs of the boats a light positioned lower would be obscured by other objects or people.

Use: The Lalizas range of pole lights includes telescopic, folding, plug in and fixed, thus satisfying all needs. This type of pole lights can be used on sailing boats less than 20 metres (tri colour) or on powerboats less than 12 metres (white), instead of the small all round lights.

Instructions of Use: Pole lights are positioned in such a point that they are higher than the sidelights and mounted by screws. Depending on the model, you can adjust the height of the light. The length of Lalizas pole lights varies between 23cm to 130cm.

Maintenance: All Lalizas products are constructed with high quality standards, so that you may enjoy the best products. Nevertheless, it is necessary that you maintain in good condition your products, so that they can be with you for a long time. So Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts

Replacement: All navigation lights should be replaced when the lenses change colour or you notice crack on the casing, the crystal or the pole.

Pole Lights

Manufactured from marine grade 316 stainless steel tubing with ABS plastic, polycarbonate lens and nitrile O ring sealed light and a fibre nylon mix base. Available in five lengths, folding, telescopic or fixed mount with an all round white or tri colour lens.

R.I.N.A

I

DOT

AUS.

E.E.P

GR

D.G.M.M

ES

DOT

UK

DOT

S.A.

SN

F

N.M.D

N



Folding Triple Combination Light

The folding triple combination light has been designed for use in Greek waters. It includes three signal lights 'Classic S12', two of which are red, for use when the boat is not under command and a white one on the top for anchoring or navigation use, depending on the situation. The lights, approved for boats under 12m, are manufactured with a base from tough UV stabilised ABS plastic and shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal. The pole is constructed from either INOX 316 (31398 & 31270) or hard plastic (70216 & 70217). All three lights are supplied with 12V / 10W bulbs.

| Pole from hard plastic | | |
|------------------------|-------|-------|
| Code | 70216 | 70217 |
| Pole length | 36cm | 64cm |
| Pole from INOX 316 | | |
| Code | 31398 | 31270 |
| Pole length | 36cm | 64cm |



Plug in white light, 130cm

Based on Lalizas' popular pole lights, this Lalizas light features a much improved plug in base unit. This increase in structural strength has allowed us to offer a longer pole with no risk of accidental damage. The light is manufactured from ABS plastic, polycarbonate lens and a nitrile "O" ring. It is 130 cm long.



Blister Bulb
12V/10W,
BA15S, C2R
Code....30630



Bulb
12V/10W
BA15S, C2R
Code....00420



'Economy' Pole Lights

'Economy' is a more economic version of pole lights, without however being inferior on the technical characteristics. The lower part of the lights is black and made from polypropylene with UV protection. The lens is in white colour and it is made from the same material as the lower casing. The steel pole is covered with black electrostatic paint and has a diameter of 19 mm. Like all Lalizas pole lights, 'Economy' are available in folding, telescopic and plug in configurations. The height of the 'Economy' pole lights varies in 23, 54, 64, or 105cm.

Equip your boat with the LALIZAS Plug in Pole for Flags. For more information on the LALIZAS Plug in Pole for Flags see page 143



Base for Plug in "Economy" Light Black
Code.....31160

Base for plug in light

| | | |
|--------|-------|-------|
| Code | 31020 | 31031 |
| Colour | Black | White |

30380 30390

30391 30381

Pole light storing bases

Single and twin clip brackets designed to store pole lights and/or pole for flag.

| | | | | |
|--------|-------|-------|-------|-------|
| Code | 30380 | 30381 | 30390 | 30391 |
| Bases | | 2 | | 1 |
| Colour | Black | White | Black | White |

Fixed Lights

| | | | | |
|-------------|-------|------------|-------|------------|
| Code | 30183 | 30194 | 30303 | 30314 |
| Description | White | Tri Colour | White | Tri Colour |
| Base | | Black | | White |

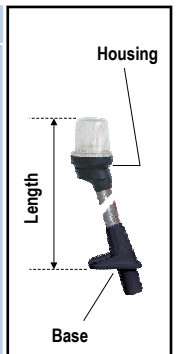
Use the single or twin storing bases to store securely your plug in pole lights when not in use.

ELECTRICAL



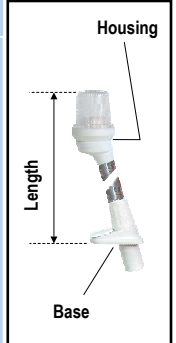
All round Pole lights white (Black housing)

| | Telescopic | | Plug in | | Folding | |
|---------|------------|-------|---------|--------|---------|-------|
| Housing | | | | | | |
| Base | | | | | | |
| Length | 54 cm | 54 cm | 105 cm | 130 cm | 23 cm | 64 cm |
| Code | 30143 | 30163 | 30243 | 30263 | 30173 | 30153 |



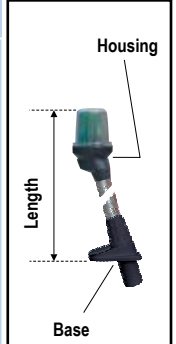
All round Pole lights white (White housing)

| | Telescopic | | Plug in | | Folding | |
|---------|------------|-------|---------|--------|---------|-------|
| Housing | | | | | | |
| Base | | | | | | |
| Length | 54 cm | 54 cm | 105 cm | 130 cm | 23 cm | 64 cm |
| Code | 30273 | 30293 | 30333 | 30353 | 30763 | 30283 |



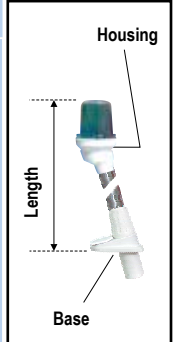
Tri colour light (Black housing)

| | Telescopic | | Plug in | | Folding | |
|---------|------------|-------|---------|-------|---------|--|
| Housing | | | | | | |
| Base | | | | | | |
| Length | 54 cm | 54 cm | 105 cm | 23 cm | 64 cm | |
| Code | 30224 | 30234 | 30254 | 30214 | 30204 | |



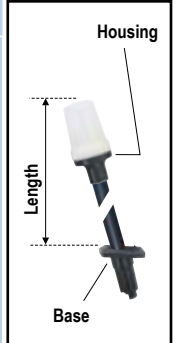
Tri colour light (White housing)

| | Telescopic | | Plug in | | Folding | |
|---------|------------|-------|---------|-------|---------|--|
| Housing | | | | | | |
| Base | | | | | | |
| Length | 54 cm | 54 cm | 105 cm | 23 cm | 64 cm | |
| Code | 30794 | 30324 | 30344 | 30784 | 30774 | |



All round Pole lights white "Economy" (Black housing)

| | Telescopic | | Plug in | | Folding | |
|---------|------------|-------|---------|-------|---------|--|
| Housing | | | | | | |
| Base | | | | | | |
| Length | 54 cm | 54 cm | 105 cm | 23 cm | 64 cm | |
| Code | 30973 | 30953 | 30963 | 30983 | 30993 | |





All round lights

All round lights are not navigation lights but signal your position and actions or situation, so that other boats in the area can determine their direction. Also, depending on the colour combination and their position, signal lights indicate situations, e.g. two red lights in vertical order mean not under command.

Use: All round white light is used in powerboats under 7 metres long or in combination with the sidelights in boats under 12 metres long. In sailboats up to 20 metres a tricolour all round light can be used instead of three separate. Also, if the tricolour is not used, but the boat still needs to show navigation lights, one red over one green all round can be placed on the mast.

Instructions of Use: All round lights are mounted on the mast, as high as possible and are mounted with screws. All round lights are connected to the central or auxiliary circuit.

Maintenance: Lalizas all round lights are constructed in such a way, so as to withstand shocks and weather conditions. Nevertheless, in order to prolong their proper operation Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts

In case the lights stop operating check the lamp and the connection to the circuit

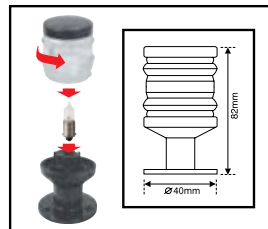
Replacement: All navigation lights should be replaced when the lenses change colour or you notice cracks on the casing or the crystal.



"Junior N12 & S12" Lights

The all round pedestal lights are designed for sailboats under 12 metres. These lights are much smaller in size and with an improved design to fit your requirements both functional and aesthetic. The pedestal allows a firm attachment to the boat. Durability and longevity are ensured through the high quality construction standards of LALIZAS.

- Material: Nylon fibre mix housing. Shatterproof polycarbonate lens
- Contacts: Brass
- Seal: Nitrile water resistant
- Bulb: 12V / 5W
- Luminous intensity: 5cd
- Minimum visibility distance: 2 nautical miles



S12: All-round "Junior" White Pedestal Light
N12: All-round "Junior" Tri-Colour Pedestal Light

| Code | 30803 | 30804 | 30813 | 30814 | 30903 | 30904 |
|---------|-------|-------|-------|-------|--------|-------|
| Model | S12 | N12 | S12 | N12 | S12 | N12 |
| Housing | Black | | White | | Chrome | |

| | | |
|---|--|-------------------------------------|
| Blister Bulb 12V/5W, BA9S, C2R | | Bulb 12V/5W, BA9S, C2R |
| Code.....30940 | | Code.....01184 |



Combination lights

The Tri colour version (30429/39) features all around white port and starboard, while the four colour version (30449/59) features all around white, stern and a bi-colour. Both sets are made of UV stabilized ABS plastic, with shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. Both combinations are available in black and white colour and can be easily installed on any boat.

| | Tri-colour comb. light white, port & starboard | | Four colour comb. light white, bi-colour & stern | |
|---------|--|-------|--|-------|
| Code | 30429 | 30449 | 30439 | 30459 |
| Housing | Black | White | Black | White |

| | | |
|---|--|--|
| Spare bulb for navigation lights | | |
| Blister Bulb 12V/10W,SV8.5-8, C8I, 38 mm | | Bulb 12V/10W, SV8.5-8, C8I, 38 mm |
| Code.....30600 | | Code.....00386 |

| | | |
|---|--|---------------------------------------|
| Spare bulb for all round lights | | |
| Blister Bulb 12V/10W, BA15S, C2R | | Bulb 12V/10W, BA15S, C2R |
| Code.....30630 | | Code.....00420 |



| Code | 30111 | 30112 | 30113 | 30114 | 30133 |
|-------------|-------|-------|-------|------------|-------|
| Description | White | Green | Red | Tri-colour | White |
| Housing | Black | | | White | |

"Classic S12" Lights

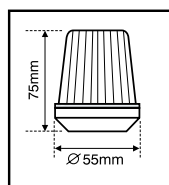
This midi series of navigation lights is designed and type-approved for vessels under 12 metres. Manufactured from tough UV stabilized ABS plastic with shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. All lights are supplied with a 12V 10W bulb.

"Economy" Lights

The white signal light "Economy" belongs to the homonymous group of signal lights. It combines perfectly the economic price and a good standard of technical characteristics. The lower part of the light is black and made of polypropylene with UV protection. The lens is in white colour and it is made of the same material as the lower casing. The light is mounted on the boat with three screws, while the wires are connected to the main circuit by opening a hole underneath.

Approved for vessels up to 12m by:

| | | | |
|---------|------|-----|------|
| R.I.N.A | DOT | EEP | DGMM |
| I | AUS. | GR | ES |
| DOT | DOT | SN | NMD |
| UK | S.A. | F | N |



| | | | | | |
|---|--|---------------------------------------|----------------|--|-----------------------------------|
| Blister Bulb 12V/10W, BA15S, C2R | | Bulb 12V/10W, BA15S, C2R | | | Bulb 12V/10W, BA15D, C6 |
| Code.....30630 | | Code.....00420 | Code.....31003 | | Code.....01490 |

NAVIGATION LIGHTS 12m



Lights for boats up to 12m

This category includes all navigation lights that are designed and constructed according to the requirements of 12 metre long boats. The various groups of this category include all round lights stern, side and masthead lights.

Use: Navigation lights should always operate from sunset to sunrise. Sailboats must show sidelights and the stern light when they have their under sails, while when they are motor driven they must show the masthead light in addition to the rest. Furthermore, depending on the design of the boat, sidelights can be combined into one bicolour light, which is also available by Lalizas. Only for sailboats less than 12 metres, a tricolour light may be used instead of all the others.

Instructions of Use: The navigation lights in this category can be mounted either vertically or horizontally (tricolour) in relation to the deck and they are connected to the central and auxiliary circuit. They are mounted on the surfaces with screws or rawl plugs ('FAROS'). Navigation lights with rawl plug have the advantage that they are much easier to mount and you only need to open one hole. Furthermore, the 'FAROS', 'JUNIOR' and 'EYE' ranges are provided with a two sided adhesive tape and flange, which by sticking it on the surface you know exactly where to open the hole and the flange is already in the correct place. Navigation lights should not be put under any kind of strain. All lights should be positioned in such a place so as to conform to the regulations.

Maintenance: Lalizas 12 metres navigation lights are constructed in such a way, so as to withstand shocks and weather conditions. Nevertheless in order to prolong their proper operation Lalizas suggests that you regularly:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal, and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts

In case the lights stop operating check the lamp and the connection to the circuit

Replacement: All navigation lights must be replaced when the lenses change colour, or when you notice cracks on the casing, or the crystal.

"Classic N12" Lights

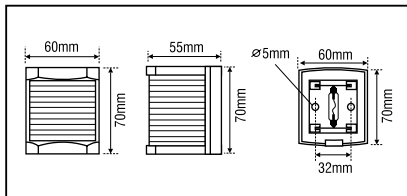
The "Classic N12" midi series of navigation lights is designed and type-approved for vessels under 12 meters. Manufactured from tough UV stabilized ABS plastic with shatter-proof acrylic lens, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. All lights are supplied with a 12V 10W bulb.

Approved for vessels up to 12m by:

| | | | | | | | |
|---------|------|-----|------|-----|------|----|-----|
| R.I.N.A | DOT | EEP | DGMM | DOT | DOT | SN | NMD |
| I | AUS. | GR | ES | UK | S.A. | F | N |

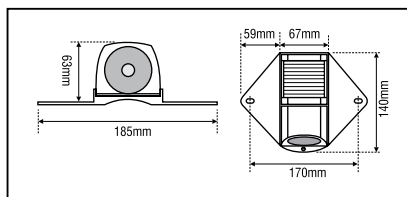
Blister Bulb
12V/10W, SV8.5-8,
C8I, 38 mm
Code.....30600

Bulb
12V/10W, SV8.5-8,
C8I, 38 mm
Code.....00386



Combination Masthead & Deck Lights

Manufactured from tough UV stabilized ABS plastic, it combines a highly visible masthead light with a bright deck light. The 20W deck bulb provides ample illumination for foredeck chores. Includes universal mast mount and is available in black and white.



Spare bulb for Masthead light

Blister Bulb
12V/10W, SV8.5-8,
C8I, 38 mm
Code.....30600

Bulb
12V/10W, SV8.5-8,
C8I, 38 mm
Code.....00386

Spare bulb for Deck light

Blister Bulb
12V/20W,
BA9S, C-6U
Halogen
Code.....30620

Bulb
12V/20W,
BA9S, C-6U
Halogen
Code.....00377

Bulb 12V/20W,
MR 16/C Halogen
Code.....02020



| | | | | | |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Code | 30091 | 30092 | 30093 | 30094 | 30095 |
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | Black | | | | |

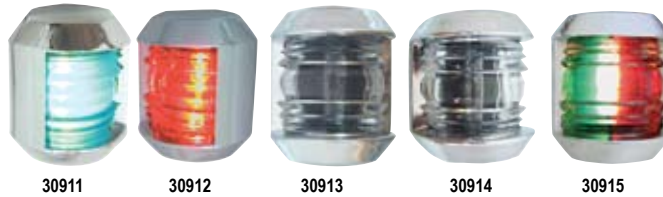
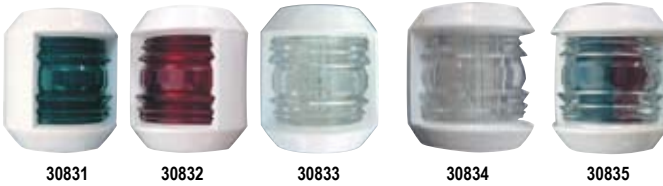
| | | | | | |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Code | 30101 | 30102 | 30103 | 30104 | 30105 |
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | White | | | | |



| | | |
|---------|-------|-------|
| Code | 30489 | 30499 |
| Housing | White | Black |

“Junior N12” Lights

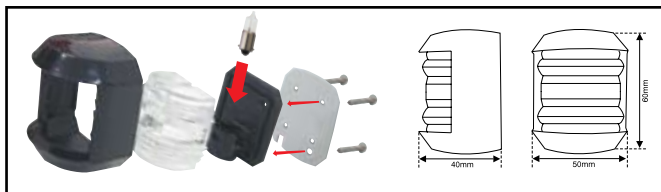
The JUNIOR Navigation Lights are also designed for vessels up to 12 metres. They are very easy to mount and their small size makes them very discreet but without compromising their effectiveness. The JUNIOR range covers all types of the required navigation lights. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous intensity:** 5cd. **Minimum visibility distance:** 2 nautical miles. JUNIOR navigation lights are available in white, black or chrome.



| | | | | | |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Code | 30821 | 30822 | 30823 | 30824 | 30825 |
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | Black | | | | |

| | | | | | |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Code | 30831 | 30832 | 30833 | 30834 | 30835 |
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | White | | | | |

| | | | | | |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Code | 30911 | 30912 | 30913 | 30914 | 30915 |
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | Chrome | | | | |

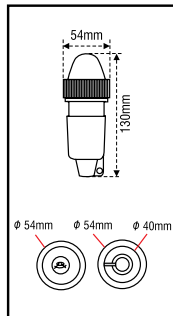


Blister Bulb
12V/5W,
BA9S, C2R
Code.....30940

Bulb
12V/5W,
BA9S, C2R
Code.....01184



| | | | | |
|-------------|-------|-------|-------|-------|
| Code | 30001 | 30002 | 30003 | 30010 |
| Description | Green | Red | White | Set |



Emergency Navigation Lights

Emergency navigation lights are ideal for use on small crafts and inflatable boats etc. or as emergency lighting in larger vessels. They are waterproof and complete with brackets that are fastened on the boat. They can be used when conventional lights are not suitable for the vessel or when they are not operating. Emergency navigation lights are available with external light reflectors and use standard alkaline batteries (D cell), giving approx. 9 hours continuous use. Batteries are not included

Blister Bulb
1,1V/0,33W,
E10, C2R
Code.....30640

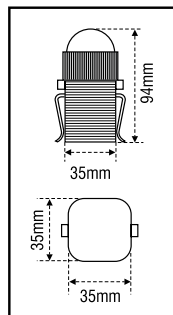
Bulb
1,1V/0,33W,
E10, C2R
Code.....00453



Blistered Lalizas Alkaline Batteries D 1,5V, 2pcs
Code.....31339



| | | | | |
|-------------|-------|-------|-------|-------|
| Code | 30021 | 30022 | 30023 | 30030 |
| Description | Green | Red | White | Set |



SOS Navigation Lights

The SOS navigation lights are ideal for use on small crafts and inflatable boats etc. or as emergency lighting in larger vessels. They are waterproof and complete with quick mount brackets. They can be used when conventional lights are not suitable for the vessel or when they are not operating. Emergency navigation lights are available with internal light reflectors and use standard alkaline batteries (4AAA type), giving approx. 9 hours continuous use. Batteries are not included

Blister Bulb
6V/3W,
E10, C2R
Code.....30890

Bulb
6V/3W,
E10, C2R
Code.....01113



Blistered Lalizas Alkaline Batteries AAA 1,5V, 4pcs
Code.....31357



Lalizas Alkaline Battery GP 15AU-U4/LR6
Code.....01312

NAVIGATION LIGHTS 12m

“Crystal” and “Cyclic” lights

The “Crystal” and “Cyclic” navigation lights are designed for powerboats and sailboats up to 12 meters. They are made of tough UV stabilized nylon plastic, non magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life. Their elegant “helmet” styling (Cyclic and Crystal) leaves no sharp edges to cause injury or catch lines. They are also especially designed to be visible from a long distance and are fitted with a 12V 10W bulb as standard.

Approved for vessels up to 12m according to :COL REG 72 and the French NFJ 76-102

ELECTRICAL



30461



30471



30551



30561



30462



30472



30552



30562



30463



30473



30553



30563



30464



30474



30554



30564

“Cyclic” lights

| Code | 30461 | 30462 | 30463 | 30464 |
|-------------|------------------------|-----------------|------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° |
| Housing | Black | | | |

| Code | 30471 | 30472 | 30473 | 30474 |
|-------------|------------------------|-----------------|------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° |
| Housing | White | | | |

“Crystal lights”

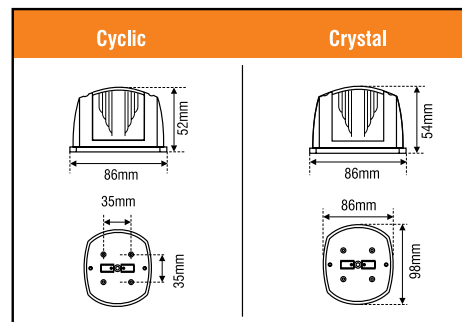
| Code | 30551 | 30552 | 30553 | 30554 |
|-------------|------------------------|-----------------|------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° |
| Housing | Black | | | |

| Code | 30561 | 30562 | 30563 | 30564 |
|-------------|------------------------|-----------------|------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° |
| Housing | White | | | |

Blister Bulb
12V/10W, SV8.5-8
C8I, 38 mm
Code.....30600



Bulb
12V/10W, SV8.5-8
C8I, 38 mm
Code.....00386



"Faros" Lights

Including masthead, side and stern navigation lights, the FAROS range is ideal mostly for powerboats less than 12 metres long. FAROS navigation lights are available in white, black or chrome. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens **Mounting:** rawl plugs. **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous intensity:** 5cd **Minimum visibility distance:** 2 nautical miles.



EASY MOUNTING



30864



30874



30934

Masthead White 225°

| | | | |
|---------|-------|-------|--------|
| Code | 30864 | 30874 | 30934 |
| Housing | Black | White | Chrome |



30865



30875



30935

Bi-colour 225°

| | | | |
|---------|-------|-------|--------|
| Code | 30865 | 30875 | 30935 |
| Housing | Black | White | Chrome |



31051



31061



31071

Starboard Green 112,5° Horizontal

| | | | |
|---------|-------|-------|--------|
| Code | 31051 | 31061 | 31071 |
| Housing | Black | White | Chrome |



31052



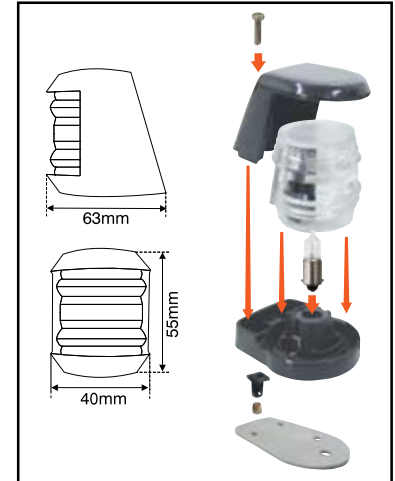
31062



31072

Port Red 112,5° Horizontal

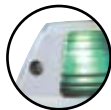
| | | | |
|---------|-------|-------|--------|
| Code | 31052 | 31062 | 31072 |
| Housing | Black | White | Chrome |



30861



30871



30931

Starboard Green 112,5°

| | | | |
|---------|-------|-------|--------|
| Code | 30861 | 30871 | 30931 |
| Housing | Black | White | Chrome |



30862



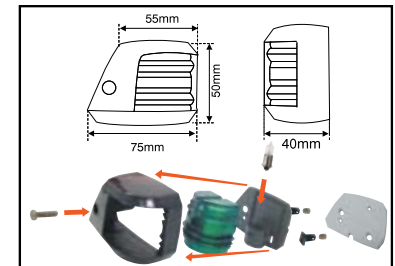
30872



30932

Port Red 112,5°

| | | | |
|---------|-------|-------|--------|
| Code | 30862 | 30872 | 30932 |
| Housing | Black | White | Chrome |



30863



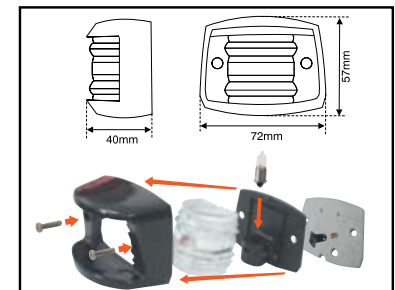
30873



30933

Stern White 135°

| | | | |
|---------|-------|-------|--------|
| Code | 30863 | 30873 | 30933 |
| Housing | Black | White | Chrome |



1 Remove the protective paper from the self adhesive flange



2 Attach the flange at the point you want to place the light and open the holes using a drill



3 Pass the wires through the lower hole and fit the light's rawl plugs in the side holes



4 Screw until the rawl plugs are secured



Blister Bulb
12V/5W
BA9S, C2R
Code...30940



Bulb 12V/5W
BA9S, C2R
Code...01184

NAVIGATION LIGHTS 12m

"Eye" Lights

Designed for powerboats under 12 metres long, the 'EYE' lights are a completely different design in the LALIZAS range of vertical mount navigation lights. Their special design enables them to perfectly be integrated on the vessel, thus ensuring safety without compromising aesthetically. They are fitted into the vessel's bow, thus not leaving any sharp edges to catch lines or cause injuries. **Material:** Nylon fibre mix housing. Shatterproof plexiglas (PMMA) lens **Contacts:** Brass. **Seal:** Nitrile water resistant. **Bulb:** 12V / 5W. **Luminous intensity:** 5cd **Minimum visibility distance:** 2 nautical miles. EYE navigation lights are available in white, black or chrome.



30841

30851

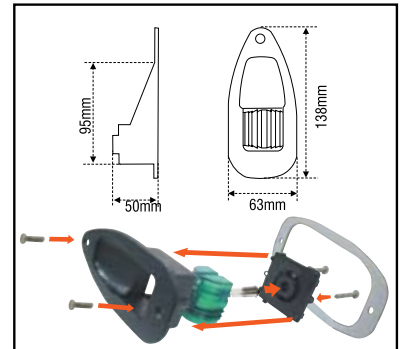


30921



Starboard Green 112,5° Horizontal

| | | | |
|---------|-------|-------|--------|
| Code | 30841 | 30851 | 30921 |
| Housing | Black | White | Chrome |



30842

30852

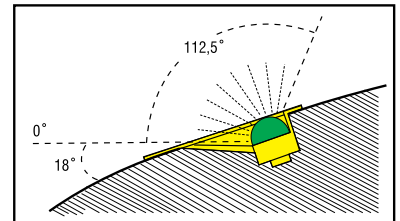


30922



Port Red 112,5° Horizontal

| | | | |
|---------|-------|-------|--------|
| Code | 30842 | 30852 | 30922 |
| Housing | Black | White | Chrome |



30843

30853

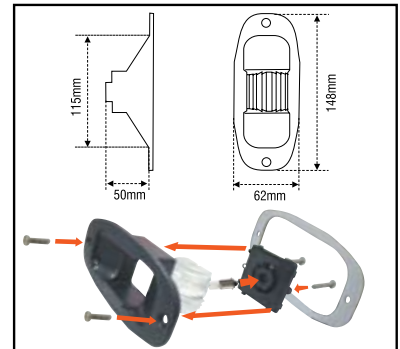


30923



Stern white 135°

| | | | |
|---------|-------|-------|--------|
| Code | 30843 | 30853 | 30923 |
| Housing | Black | White | Chrome |



Blister Bulb
12V/5W
BA9S, C2R

Code...30940



Bulb 12V/5W
BA9S, C2R

Code...01184

ELECTRICAL

"Pop-up" Bicolour Lights

The "Pop-up" is the ultimate in ergonomic design and is ideal for those that want to make a difference. It has been designed to be retracted by pressing it's top when not in use and to be re-activated by pressing the top again. The design allows freedom of movement around the deck without the fear of tripping on the light. It is equipped with a built-in switch that activates the light only when in the up position and deactivates when retracted and is therefore ideal for installation on the bow. The "Pop-up" navigation light is easy to fit, supplied pre-wired and has a waterproof deck seal. The housing material is Nylon (31085, 31095) and ABS (31105) with a Plexiglas (PMMA) lens. All materials are UV resistant. The light uses a 12V/5W bulb providing 5 candelas of light with a minimum visibility 2 nautical miles. All electrical contacts are Inox. Available in white, black and chrome.



31085

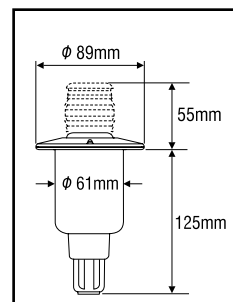


31095



31105

| | | | |
|---------|-------|-------|--------|
| Code | 31085 | 31095 | 31105 |
| Housing | Black | White | Chrome |



Blister Bulb
12V/5W
BA9S, C2R

Code...30940



Bulb 12V/5W
BA9S, C2R

Code...01184



Use

According to the COL.REG.'72, powerboats need to follow a different set of rules regarding the positioning and operation of the navigation lights. Boats under 20 metres need to have stern, side and masthead lights. Powerboats under 12 metres may combine the masthead and stern lights into one all round light. Navigation lights must be operating from sunset to sunrise.

Instructions of Use

Depending on the model, navigation lights can be mounted vertically or horizontally on the surfaces of the boat, and they are connected to the central and auxiliary circuit. Their base is attached to the surface with two or more screws, while the housing is clipped on. Lalizas navigation lights with their round shape and the complete attachment on the surfaces do not let other parts of the boat, like ropes, to be tangled. The new group of navigation lights for powerboats 'EYE' is fitted into the boat without leaving any sharp edges. Navigation lights should not be put under any kind of strain. All lights should be positioned in such a place, so as to conform to the regulations.

Maintenance: Regular and proper maintenance is essential if you want your navigation lights to operate properly and for a long time. Therefore, Lalizas suggests that on regular basis you:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal, and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts

In case the lights stop operating check the lamp and the connection to the circuit

Replacement: All navigation lights must be replaced when the lenses change colour, or you notice crack on the casing, or the crystal.

"Power" Lights

Lalizas sport boat navigation lights are compact and streamlined to follow the contours of most boats. The lenses are made from tough polycarbonate, while nylon fibre mix housing and stainless internal components for added strength. Bi-colour and masthead lights are available for horizontal and vertical mounting.



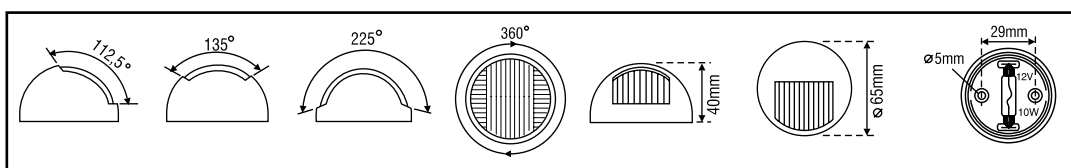
ELECTRICAL



| Code | 30061 | 30062 | 30063 | 30064 | 30065 | 30066 | 30067 | 30068 |
|-------------|------------------------|-----------------|------------------|---------------------|-------------------------|---------------------------|---------------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead Light 225° | Bi Color, vertical 225° | Bi Color, horizontal 225° | Masthead, horizontal 225° | Fixed Spreader 360° |
| Housing | Black | | | | | | | |



| Code | 30071 | 30072 | 30073 | 30074 | 30075 | 30076 | 30077 | 30078 |
|-------------|------------------------|-----------------|------------------|---------------------|-------------------------|---------------------------|---------------------------|---------------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead Light 225° | Bi Color, vertical 225° | Bi Color, horizontal 225° | Masthead, horizontal 225° | Fixed Spreader 360° |
| Housing | White | | | | | | | |



Blister Bulb
12V/10W,
SV8.5-8, C8I, 39mm
Code.....30610



Bulb 12V/10W,
SV8.5-8, C8I, 39mm
Code.....00568

INTERNAL & EXTERNAL LIGHTS

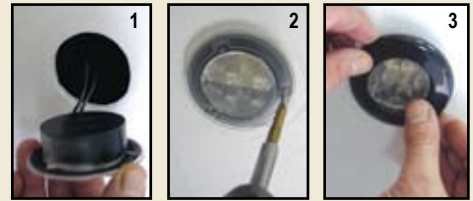


In addition to Navigation and Signal lights, internal and external lights are necessary for the illumination of your boat. They are used for deck lighting, cabin and berth lights. LED lights are also available in red for chart tables and safety lighting at night. LALIZAS offers two lights for such purposes, the LED and the Interior / Exterior Lights. The LED light is fitted with 4 small LED bulbs, while the Interior/ Exterior light uses a 10W festoon bulb. Both lights operate at 12V. Easy to fit, both models are made from UV resistant ABS polycarbonate for durability and long life and are available in various cover colours to ensure a perfect match with your boat.

Mounting: LALIZAS Interior and Exterior Lights are simple to fit to your boat by following these basic instructions:

1. Cut the correct size hole and drill pilot holes to the screws
2. Connect the electrical cables (See fig 1)
3. Fasten the light to the bulkhead, using the three fixing screws (See fig 2)
4. Finally, snap on the outer cover of the light (See fig 3)

Maintenance / Replacement: Interior and Exterior lights need no special maintenance. In case the lights do not operate check the bulb and connections to the main circuit. Replace the bulb if necessary.



Interior / Exterior Lights

These lights are designed for use in both the internal and external areas of your boat. The waterproof housing is constructed from tough, UV resistant Nylon, the lens is polycarbonate. These lights give a strong white light by means of a 12V/5W bulb which is easily replaceable. The installation is simple, as they are pre-wired. LALIZAS Interior / Exterior Lights are available in four colours black, white, chrome and brass, so that you can choose the one most suitable for your boat.



| | 31113 | 31123 | 31133 | 31143 |
|---------|-------|-------|--------|--------|
| Code | 31113 | 31123 | 31133 | 31143 |
| Housing | White | Black | Chrome | Bronze |

Fixed Spreader Light



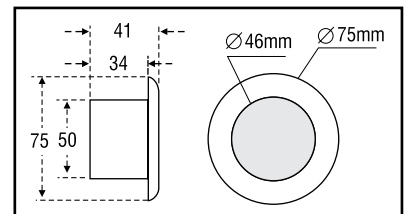
| | 30068 | 30078 |
|---------|-------|-------|
| Code | 30068 | 30078 |
| Housing | Black | White |



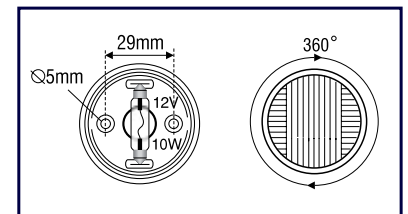
Blister Bulb
12V/10W,
SV8.5-8, C8I, 39mm
Code.....30610



Bulb 12V/10W,
SV8.5-8, C8I, 39mm
Code.....00568



Bulb 12V/5W,
SB8.5-8, C8I, 39 mm
Code.....01726



ELECTRICAL

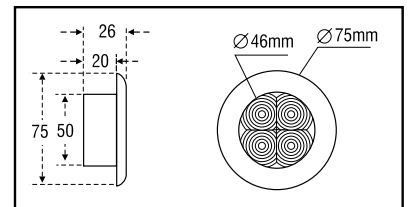


Led Lights

Lalzas has designed a range of water resistant LED lights suitable for interior and exterior use - cockpit, emergency, illumination, cabinet, map reading, etc. They are made of ABS Polycarbonate PC and they feature four LED lights. They are available in two light versions (white and red) and they come in four different cover options (white, black, chrome, and brass). **Material:** ABS-Polycarbonate PC impact resistant-sunlight UV protected **Source of light:** 4 Leds (red or white) **Installation:** prewired, incl. 120 mm connection lead **Protection system:** IP 67 to DIN 40060 **Operating Voltage:** 12V **Luminous intensity:** 4 cd **Power consumption:** 35 mA



| Code | 30722 | 30723 | 30732 | 30733 | 30742 | 30743 | 30752 | 30753 |
|---------|-------|-------|-------|-------|--------|-------|-------|-------|
| LED | Red | White | Red | White | Red | White | Red | White |
| Housing | White | | Black | | Chrome | | Brass | |



Wireless Mini Dome Light "Push On-Off"- Led, Sea Power

Sea Power Mini Dome Light is ideal for boats, automobiles, homes, workshops, etc. This Wireless Light can be easily turned ON or OFF by pressing in the middle of it. It is available in silver colour with white Led Light and it has been approved according to CE standards. **Material:** PS, Polyesterene, **Product Size:** Diam. Approx. 7cm. Powered by 3x Micro LR 3 AAA batteries (batteries are not included).

Code.....31408



BEST VALUE

Dome light plastic 3 position switch, 12V, 6W bulb, 14 x 3,7cm
Plastic dome light especially designed for exterior / interior environment. Contains a 6W bulb and a 3 position switch available in 3 combinations ON for usual light / OFF / ON for the night-light (red).

Code.....99672



This category includes all navigation lights that are constructed especially for use on boats up to 20 metres long and they are bigger than the ones for boats up to 12 metres. The various groups of this category include all round lights or stern, side and masthead lights.

Use: As in the 12 metres category, sailing boats must use stern and sidelights when they have the sails open and when they are motor driven, they must use the masthead light too. Instead of using separate sidelights, sailboats can combine them into one bicolor light.

Instructions of Use: The navigation lights in this category can be mounted either vertically or horizontally (tricolour) in relation to the deck and they are connected to the central and auxiliary circuit. They are mounted on the surfaces with screws, while the case is clipped on the base. Navigation lights should not be put under any kind of strain. All lights should be positioned in such a place so as to conform to the regulations.

Maintenance: Regular and proper maintenance is essential if you want your navigation lights to operate properly and for a long time. Therefore, Lalizas suggests that on regular basis you:

- Spray the lights with a silicone spray to protect the casing
- Check the nitrile water resistant seal and if necessary replace it
- Clean the contacts and spray them with a product that is only for electrical contacts
- Check the bulb and if necessary replace it

Replacement: All navigation lights must be replaced when the lenses change colour or you notice crack on the casing or the crystal.



| Code | 30501 | 30502 | 30503 | 30504 | 30505 |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | Black | | | | |

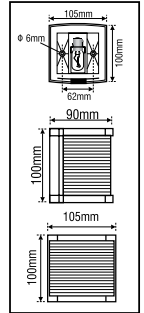
| Code | 30511 | 30512 | 30513 | 30514 | 30515 |
|-------------|------------------------|-----------------|------------------|---------------------|----------------|
| Description | Starboard Green 112,5° | Port Red 112,5° | Stern White 135° | Masthead White 225° | Bi-colour 225° |
| Housing | White | | | | |



| Code | 30521 | 30522 | 30523 | 30543 | 30404 |
|-------------|-------------------|-----------------|-------------------|-------------------|----------------|
| Description | Signal Green 360° | Signal Red 360° | Signal White 360° | Signal White 360° | Tricolour 360° |
| Housing | Black | | White | | |

"Classic N20" Lights

The Classic N20 series of navigation lights is designed and type-approved for vessels under 20 meters. Manufactured from a special compound of ABS and polycarbonate with shatterproof acrylic lens, non-magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life.

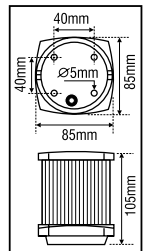


Approved for vessels up to 20m by:

| R.I.N.A | DOT | EEP | DGMM | DOT | DOT | SN | NMD |
|---------|------|-----|------|-----|------|----|-----|
| I | AUS. | GR | ES | UK | S.A. | F | N |

"Classic S20" Lights

This maxi series of "Classic S20" lights is designed and type-approved for vessels under 20 meters. Manufactured from a special compound of ABS and polycarbonate with shatterproof acrylic lens, non-magnetic stainless steel electrical contacts and a nitrile water resistant seal to provide reliable long life.



Approved for vessels up to 20m by:

| R.I.N.A | DOT | EEP | DGMM | DOT | DOT | SN | NMD |
|---------|------|-----|------|-----|------|----|-----|
| I | AUS. | GR | ES | UK | S.A. | F | N |

Tri Colour & Anchor light

The tri-colour and white navigation light features an improved bulb holder, simplified wiring installation and compact two piece design.



Code.....30415

1. Manufactured from a special compound of ABS and Polycarbonate
2. Non magnetic stainless steel electric contacts
3. One compact product (only 2 pcs.)
4. Higher light distribution
5. Easier and more effective electric connection
6. Improved (stable) lamp holders
7. Protection against electrolysis

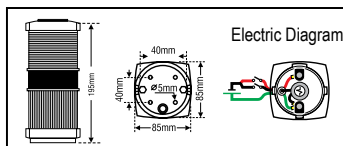
To change the bulb follow the instructions as indicated in the pictures.



Unscrew the casing by turning it counter clockwise

Pull the casing and change the bulbs needed

Place the casing by matching the lugs to the relevant slots and turning clockwise



SPARE BULBS FOR NAVIGATION & SIGNAL LIGHTS 20m

For use in 12V system

Blister Bulb 12V/25W BAY15D, C81



Code...30570

Bulb 12V/25W BAY15D, C81



Code...00438

For use in 24V system

Blister Bulb 24V/25W BAY15D, CC81



Code...30580

Bulb 24V/25W BAY15D, CC81



Code...00439

BULBS

| | * Blister | Code | Volt-Watt | Dimensions | BASE TYPE | | | | | | | FILAMENT TYPES | | | | | |
|--|-----------|-------------------|-------------------|-------------|-----------|---------|------|-------|-------|--------|------|----------------|------|------|-------|--|--|
| | | | | | BA9S | SV8.5-8 | E 10 | BA15D | BA15S | BAY15D | C-2R | C-6 | C-6U | C-81 | CC-81 | | |
| | | 00438 | 12V - 25W | 15 x 65 mm | | | | | | | | | | | | | |
| | | 30570* | | | | | | | | | | | | | | | |
| | | 00439 | 24V - 25W | 25 x 67 mm | | | | | | | | | | | | | |
| | | 30580* | | | | | | | | | | | | | | | |
| | | 02126 | 24V - 10W | 25 x 67 mm | | | | | | | | | | | | | |
| | | 31358* | | | | | | | | | | | | | | | |
| | | 00440 | 12V - 10W | 15 x 65 mm | | | | | | | | | | | | | |
| | | 30590* | | | | | | | | | | | | | | | |
| | | 00386 | 12V - 10W 41mm | 11 x 41 mm | | | | | | | | | | | | | |
| | | 30600* | | | | | | | | | | | | | | | |
| | 00568 | 12V - 10W 38mm | 11 x 38 mm | | | | | | | | | | | | | | |
| | 30610* | | | | | | | | | | | | | | | | |
| | 01726 | 12V - 5W 38mm | | | | | | | | | | | | | | | |
| | | 01113 | 6V - 3W | 9 x 28 mm | | | | | | | | | | | | | |
| | | 30890* | | | | | | | | | | | | | | | |
| | | 00757 | 4,8V - 3,6W | | | | | | | | | | | | | | |
| | | 30650* | | | | | | | | | | | | | | | |
| | | 00453 | 1,1V - 0,33W | 9,5 x 23 mm | | | | | | | | | | | | | |
| | | 30640* | | | | | | | | | | | | | | | |
| | | 00420 | 12V - 10W | 15 x 34 mm | | | | | | | | | | | | | |
| | | 30630* | | | | | | | | | | | | | | | |
| | | 99441 | 12V - 5W | 18 x 37 mm | | | | | | | | | | | | | |
| | | 99442 | 12V - 10W | | | | | | | | | | | | | | |
| | | 99443 | 12V - 15W | | | | | | | | | | | | | | |
| | 99444 | 12V - 20W | | | | | | | | | | | | | | | |
| | | 01184 | 12V - 5W | 10 x 29 mm | | | | | | | | | | | | | |
| | | 30940* | | | | | | | | | | | | | | | |
| | | 01490 | 12V - 10W | 25 x 50 mm | | | | | | | | | | | | | |
| | | 99445 | 24V - 15W | | | | | | | | | | | | | | |
| | | 99446 | 24V - 20W | | | | | | | | | | | | | | |

HALOGEN BULBS

| | Code | Volt-Watt | Dimensions | BASE TYPE | | FILAMENT TYPES | |
|--|--------|-----------|------------|-----------|----|----------------|-----|
| | | | | BA9S | G4 | CC-81 | C-6 |
| | 00377 | 12V - 20W | 9 x 30mm | | | | |
| | 30620* | | | | | | |
| | 99447 | 12V - 10W | 8 x 30 mm | | | | |
| | 99448 | 24V - 10W | | | | | |
| | 99449 | 12V - 20W | | | | | |
| | 99450 | 24V - 20W | | | | | |

| | Code | Volt-Watt | Dimensions | BASE TYPE | FILAMENT TYPES |
|--|-------|-----------|------------|-----------|----------------|
| | | | | G 5.3 | MR16/C |
| | 02020 | 12V - 20W | Ø 50mm | | |

LED

| | Code | LEDs | Volt - Colour | BASE TYPE | |
|--|-------|------|------------------|-----------|-------|
| | | | | BAY15D | BA15S |
| | 02166 | 19 | 12V - Cool White | | |
| | 02167 | | | | |

| | Code | LEDs | Volt - Colour | Length |
|--|-------|------|---------------|--------|
| | | | | |
| | 02165 | 6 | | |

| | Code | LEDs | Volt - Colour | BASE TYPE |
|--|-------|------|-----------------|-----------|
| | | | | BAY15D |
| | 02168 | 20 | 12V -Cool White | |