

ASTEL
MARINE



NAUTICAL EQUIPMENT

2012

INTERIOR & EXTERIOR LIGHTING

The interior & exterior lights are available in ASTRA, INTENSA and ARCUS series with different front shapes and finishes. The most advanced LED technology enables extremely low power consumption and very long lifetime with high-performance lighting.

INTENSA

The INTENSA series of compact LED lights with electronic driver built-in waterproof anodized aluminium casing is designed by using 3 high-power LEDs. Built-in microprocessor enables network connections and remote control with digital dimming.

In the models designed with 1 high-power LED the advanced optical system with reflector and holographic diffuser allows perfect light spread with different color temperature options for interior and exterior.

The multi-color RGBW compact LED light with built-in driver is designed by using 6 high-power LEDs to offer the best illumination quality of different white lighting (CRI 97) and microprocessor-controlled changing of white and all other colors of lighting manually or automatically through the complete rainbow spectrum. There are no needs anymore to order the suitable warm white or cold white or daylight white light - the new downlight is designed to adjust the requested white lighting in 21 steps.

Due to wide range of prestige massive face shapes made of alluminium or stainless steel the INTENSA is suitable to fit on both luxury yachts and superyachts.

- Innovative Design
- Anodized Aluminium Casings
- 1, 3 or 6 Power LEDs Design
- Different Face Shapes and Finishes
- White, Blue, Green, Red or Multi-Color RGBW Lighting
- High Efficiency Lens or Reflector with Holographic Diffuser
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation



RGBW
MULTI-COLOR



INTENSA MRM0115



INTENSA MRM0320



INTENSA MRM0620

ASTRA

The ASTRA series of compact LED lights designed with 1, 3 and 6 high-power LEDs with electronic driver is built-in waterproof anodized aluminium casing for surface mounting. Innovative electronic design with built-in microprocessor enables network connections and remote control with digital dimming. Advanced optical system with reflector and holographic diffuser allows perfect light spread. Different colour temperature options offer right solutions in the interior and exterior.

Due to wide range of prestige massive face shapes made of alluminium or stainless steel the ASTRA is suitable to fit on both luxury yachts and superyachts.

- Innovative Design
- Anodized Aluminium Casings
- 1, 3 or 6 Power LEDs Design
- Different Face Shapes and Finishes
- White, Blue, Green or Red Lighting
- Reflector with Holographic Diffuser
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation

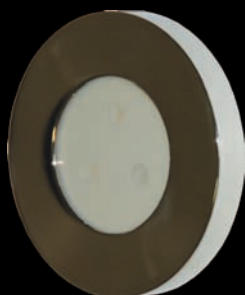
CREE

SEOUL

Simply...the brightest



ASTRA MSM0115



ASTRA MSM0320



ASTRA MSM0650



INTERIOR & EXTERIOR LIGHTING

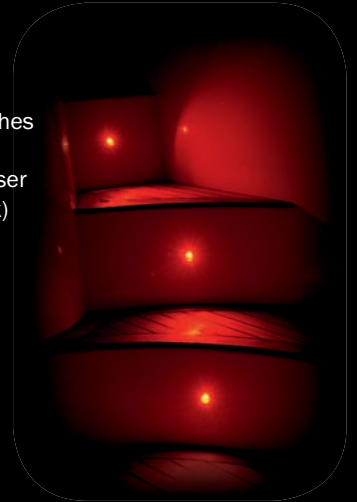
ARCUS

The ARCUS series of very innovative multi-color RGB LED lights is built-in waterproof stainless steel casing with different front shapes and lighting angles. It is suitable for using as interior and exterior downlight and step or staircase light. The most advanced electronic design with built-in microprocessor enables network connection and simple control of complete group of the lights.

The ARCUS series is designed to light to the floor under the angle of 45 degrees or straight. The main feature is that ARCUS allows changing of the color of lighting manually or automatically through the complete rainbow spectrum.

All models are designed for operating at extreme temperature and voltage conditions with thermal, transient and reverse polarity protections.

- Innovative Design
- Stainless Steel Casings
- 1 high-brightness LED Design
- Different Face Shapes and Finishes
- Multi-Color RGB Lighting
- Reflector with Holographic Diffuser
- Microprocessor Control (network)
- Polarity Protection
- Transient Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation



ARCUS MRM01SAM



ARCUS MRM01GSM



ARCUS MRM01QSAM



ARCUS MRM01QGSM



ARCUS MRM01RSM

Simply...the brightest



RGB
MULTI-COLOR

UNDERWATER LIGHTING

The underwater lights are available in EQUATOR, CONUS, CONVEX and PLAQUE series and are designed to use the latest LED lighting technology. All the models are available in aluminium bronze casings (AB2) but most of them are available also in stainless steel or anodized aluminium casings. The lighting is available in white, blue, green or three-color with 6, 12, 18 or 36 high-power LEDs.

EQUATOR

The EQUATOR is the world's first compact ultra-thin LED underwater light with built-in driver. The main feature of the EQUATOR series is that it can be installed on the stern and both sides of the hull under waterline. The thickness is only 9 mm and to install the EQUATOR the max. diameter of the hole through the hull is 8 mm. The light is already patented and design is registered at the Office of Harmonization for the Internal Market (OHIM).

The multi-color version of the EQUATOR series allows changing of the color of lighting manually or automatically through the complete rainbow spectrum. The most advanced electronic design with built-in microprocessor enables network connection and simple control of complete group of the lights with dimming.

The EQUATOR series is available with 6, 12 or 36 power LEDs.

- Innovative and Patented Design
- Aluminium Bronze (AB2) or Stainless Steel Casings
- 6, 12, or 36 Power LEDs Design
- White, Blue, Green or Multi-Color Lighting
- High Grade Polycarbonate Glass Optical Window
- Vacuum Metalized Reflector
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation



EQUATOR MSR0640



EQUATOR MSR1280



EQUATOR MSR36240

EQUATOR

SuperYacht

The new version of the EQUATOR series designed for super yachts is built-in robust stainless steel casing which enables reliable installation and maintenance.



EQUATOR MSR36240S

RGB
MULTI-COLOR

Simply...the brightest



UNDERWATER LIGHTING

CONUS

The CONUS series of slope-truncated cone designed underwater lights using high-power LEDs can be installed under water line on the stern of the hull of the yacht. By the help of slope-truncated cone designed casing the CONUS can be installed on the hull to light in different directions. The CONUS is the only underwater light which can be positioned to lights to the sea ground that can be very welcome when anchoring and docking in clear and low waters. The design is registered at the Office of Harmonization for the Internal Market (OHIM).

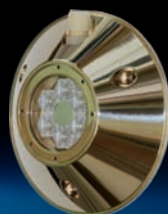


CONUS MSR18240

- Aluminium Bronze (AB2), Stainless Steel or Anodized Aluminium Casings
- 6 or 18 Power LEDs Design
- White, Blue, Green or Three-Color Lighting
- Tempered Glass Optical Window
- High-Efficiency Lens
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation

CONVEX

The CONVEX series of underwater LED lights is designed for standard surface-mount or through-hull installation on the stern of the hull. The surface-mount and thru-hull designed casings enable very simple installation on the hull under water line with only few screws and without making any bigger holes through the hull under water line.



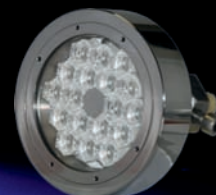
CONVEX MST0680



CONVEX MTH18240

CONVEX SuperYacht

The new CONVEX series of underwater LED lights designed for super yachts is built-in robust stainless steel casing which enables reliable through-hull installation by the help of suitable cofferdam.



CONVEX MTH18240S

Simply...the brightest

RGB
MULTI-COLOR



WIRELESS YACHT CONTROL

MYW868B/CP

The MYW868B/CP series RF microprocessor-based high-reliable wireless remote control systems for motor yachts are designed especially for controlling engines, thrusters and anchor windlass. By using the remote controller MYW868CP series the skipper has control over his vessel from any spot on the yacht. High-quality switches and keys are used to control both engines, bow and stern thrusters as well as the anchor windlass during anchoring.

The remote controller MYW868CP series is encased in an ergonomically designed watertight housing ensuring simple operation and portability. Thanks to the carrying cord provided it can even be worn around the neck thus freeing the hands for other tasks during docking. The steering of the vessel is thus always at the skipper's fingertips in case of any corrections of the vessel's movement due to wind or other factors are required.

During anchoring, complete control of the vessel is possible from the bow which allows the skipper to precisely determine the position of the anchor and avoid any underwater obstacles. During the weighing of the anchor, proper manoeuvring of the vessel is possible right from its bow, thus avoiding any overloads on the anchor windlass and possible entanglement with another anchor.

Dangerous and unforeseeable situations, due to incorrect instructions from crew members, are thus effectively eliminated also during the procedure of tying a line onto a floating buoy. Thanks to the remote controller MYW868CP series, the skipper can manoeuvre the vessel to the buoy with pinpoint accuracy and secure the line without any assistance. The Wireless Yacht Control System comes in three versions. Version MYW868B/CP-3 controls the vessel's engines and anchor windlass, version MYW868B/CP-4 controls the vessel's engines, anchor windlass and bow thruster and version MYW868B/CP-5, in addition to engine and bow thruster control, also features stern thruster control.

An additional control unit, MYW868BE, can also be supplied to connect the system to the special electronic control heads or to connect to the secondary electronic control head if the yacht is fitted with a fly-bridge.

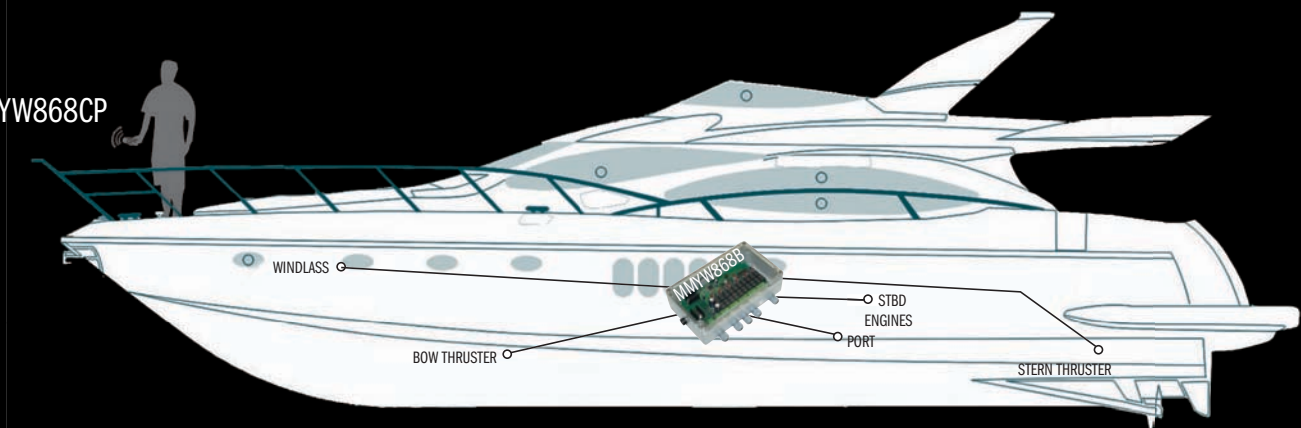
The Wireless Yacht Control System is patented (P-200800217) to achieve safe and high reliability of operation.



MYW868CP-5

- High-Reliable Patented Design
- Port Engine Control
- Starboard Engine Control
- Anchor Windlass Control
- Bow Thruster Control
- Stern Thruster Control
- Transmit LED Indicator
- Low Battery LED Indicator
- ABS Casings with IP65 and IP67 Protection
- Low-Power Consumption
- Simple Connecting

MYW868CP



When landing becomes a pleasure...

GSM ALARM AND REMOTE CONTROL

MGR100

The MGR100 series of high-efficient GSM remote controllers are specially designed to use in marine applications. The built-in GSM module with different interfaces enables simple and easy control and management of complete yacht electrical and electronic equipment through GSM mobile phone. Alarm inputs enable intruder, fire and water income alarming and voltage and temperature alarming and measuring, etc. The built-in relays enable the remote control of different yacht devices. The built-in GPS receiver enables the position tracking and alarming in the case of leaving or approaching to the hold position.

The control of the unit is possible by the help of SMS text messages or by the help of tone (DTMF) dialing. Alarming is possible by receiving the SMS text messages or by alarm calls or by the combination of both of them. Interactive voice responder confirms the requests during DTMF control or inform about the type of alarm when alarm occurs. The unit enables speaker and microphone connection for remote communication. Programming is possible by the help of SMS text messages or with PC by the help of RS-232 serial interface.

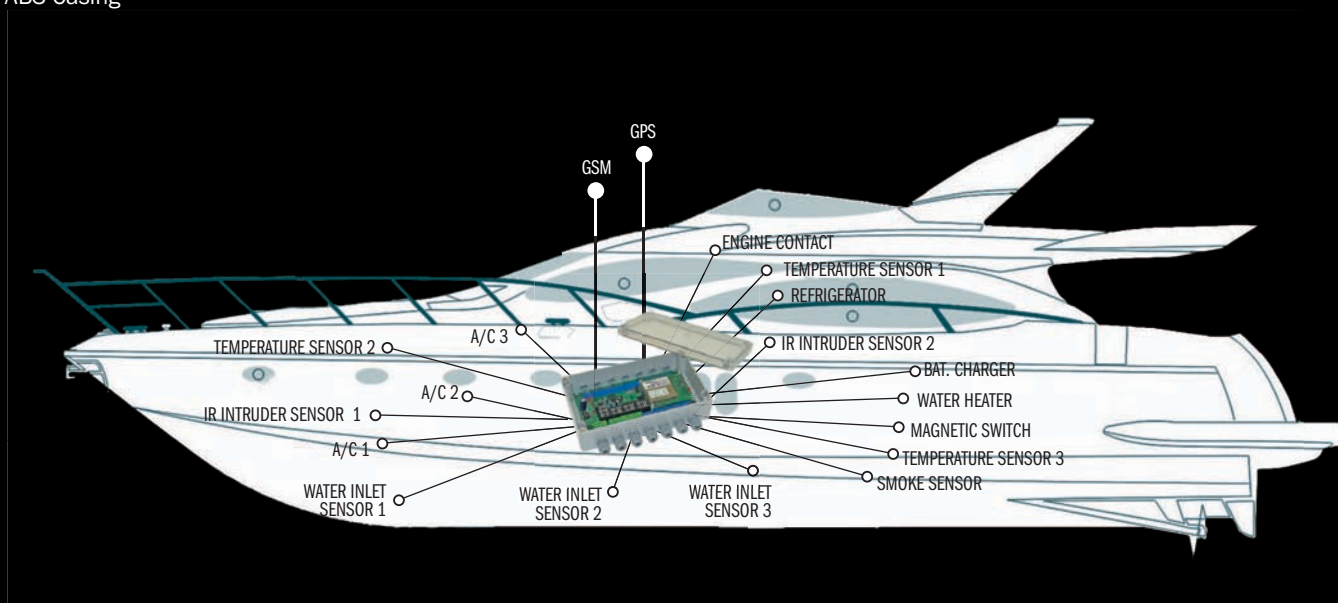
By the help of wireless sensors and wireless keyfob transmitter the installation, control and management become more simple and user-friendly.

This GSM remote control units come in three versions, Basic, Advance and Reference, every model is available with GPS receiver.



MGR100 Reference

- Built-In GSM Module with SIM Interface
- Built-In GPS Module for Location Management and Alarming
- SMS Control
- DTMF (PSTN, ISDN, GSM) Control
- IVR (Interactive Voice Responder)
- Temperature Measuring and Management
- Analog Voltage Measuring and Management
- Alarm Sensors Management
- Wireless Sensors Connection Capability
- Remote Keyboard Interface
- Speaker and Microphone Interface
- PC Remote and Local Management
- Wide Range Power Supply
- Rechargeable Battery Connection
- ABS Casing



The company ASTEL d.o.o. was established in 1991 and has been one of the leading European manufacturers of video surveillance equipment for over a decade. Experience in the field of security systems led to the development and production of electronic marine equipment that provides a high level of safety and dependability of operation. The ASTEL MARINE brand name was launched in 2004 and very soon it has become one of the leading brand name in marine industry.



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