

NAUTICAL EQUIPMENT 2022



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 became one of the leading brand name in marine industry.

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Interior OLED Lights

Compact OLED modular designed interior light with electronic driver built-in anodized aluminium casing with different mounting assemblies for creating unique configurations and structures.

Built-in microprocessor enables network connections and remote control with digital dimming.

Built-in ASTEL protocol enables complete DMX512 lighting control by using optional interfaces.

Advanced lighting technology allows perfect light spreading and the best illumination quality (CRI 90) with two different white color temperature options.

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



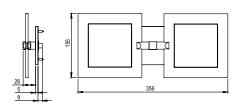
VERSA MWR01 - VERSA MWS01

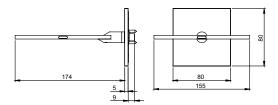
Power supply 10-30Vdc, max. 500mA/12Vdc or 250mA/24Vdc

Luminous flux max. 300 lm Color Rendering Index (CRI) 90

Operating temperature -10°C - +40°C Casing Anodized Aluminium Dimensions (panel) 155 x 155 x 5 mm

Weight 360 g





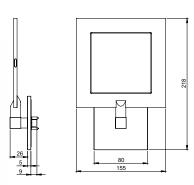
VERSA MWS02

Weight

Power supply 10-30Vdc, max. 1A/12Vdc or 500mA/24Vdc

580 g

Luminous flux max. 600 lm
Color Rendering Index (CRI) 90
Operating temperature -10°C -+40°C
Casing Anodized Aluminium
Dimensions (panel) 155 x 155 x 5 mm



Color of lighting

W warm white
D daylight white



Compact LED light with electronic driver built-in waterproof anodized aluminium casing designed by using 1 high-power LED or LED array with built-in microprocessor which enables network connections and remote control with digital dimming.

Multi-color RGBW models offer the best illumination quality of different white lighting and microprocessorcontrolled changing of white and all other colors of lighting manually or automatically through the complete rainbow spectrum. The light is designed to adjust the requested white lighting in 21 steps.

Built-in ASTEL protocol enables complete lighting control by using optional DMX512 interface MXU01.

Advanced optical system with reflector and holographic diffuser allows perfect light spread with different color temperature options for interior and exterior.

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

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



· Innovative Design

- · Anodized Aluminium Casings
- · 1 High-Power LED or LED Array Design
- Different Face Shapes and Finishes
- · White, Blue, Green, Red or RGBW Multi-Color Lighting
- · Reflector with Holographic Diffuser
- Microprocessor Control
- · Digital Dimming
- DMX512 Network Control
- Polarity Protection
- Transient Protection
- · Thermal Protection
- · Wide Range Power Supply



INTENSA MRM0110

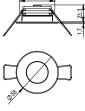
Power supply 12 - 24 Vdc, max. 130 mA 130°

Lens angle

Optical window High Grade Polycarbonate Glass Luminous flux max. 150 lm (daylight white) White color temperature 4500K (daylight) or 3000K (warm) Black anodized aluminium Casing

Protection

max. Ø58 x 25 mm Dimensions Mounting hole Ø48mm x 24mm Weight Aluminium front shape 70g Stainless steel front shape 100g



Control

internal dimming control, 2-wire system external dimming control, 3-wire system

Front shape

MAW round, modern, painted white aluminium

MAB round, modern, painted beige aluminium

round, modern, polished stainless steel

MSG round, modern, polished gold (PVD) stainless steel

MSS round, modern, satin stainless steel

QMAW square, modern, painted white aluminium QMAB square, modern, painted beige aluminium

QMSP square, modern, polished stainless steel

QMSG square, modern, polished gold (PVD) stainless steel

QMSS square, modern, satin stainless steel

Color of lighting

warm white daylight white

blue green

red

RGBW multi-color



Compact LED light with electronic driver built-in waterproof anodized aluminium casing designed by using 1, 2 or 6 high-power LEDs with built-in microprocessor which enables network connections and remote control with digital dimming.

Multi-color RGBW models offer the best illumination quality of different white lighting and microprocessorcontrolled changing of white and all other colors of lighting manually or automatically through the complete rainbow spectrum. The light is designed to adjust the requested white lighting in 21 steps.

Built-in ASTEL protocol enables complete lighting control by using optional DMX512 interface MXU01.

Advanced optical system with reflector and holographic diffuser allows perfect light spread with different color temperature options for interior and exterior.

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

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



- · Innovative Design
- · Anodized Aluminium Casings
- · 1, 2 or 6 High-Power LEDs Design
- · Different Face Shapes and Finishes
- · White, Blue, Green, Red or RGBW Multi-Color Lighting
- · Reflector with Holographic Diffuser
- Microprocessor Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- Simple Installation



INTENSA MRM0115

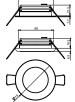
Power Supply 12-24 Vdc, max. 250 mA/12 Vdc or 125 mA/24 Vdc

Reflector angle

Optical window High-grade polycarbonate glass Luminous flux max. 270 lm (daylight white) White color temperature 4500K (daylight) or 3000K (warm) Casing Black anodized aluminium

IP 65 Protection

Dimensions Ø79mm x 26mm (C) or Ø79mm x 23mm (M) Ø68mm x 20mm (C) or Ø68mm x 22mm (M) Mounting hole Weight Aluminium front shape 145g (C) or 125g (M) Stainless steel front shape 225g (C) or 160g (M)



INTENSA MRM0220

12-24 Vdc, max. 400 mA/12 Vdc or 200 mA/24 Vdc Power supply

Reflector angle

Optical window High-grade polycarbonate glass max, 450 lm (daylight white) Luminous flux 4500K (daylight) or 3000K (warm) White color temperature Black anodized aluminium

Protection

Ø79mm x 26mm (C) or Ø79mm x 23mm (M) Dimensions

Mounting hole Ø68mm x 20mm (C) or Ø68mm x 22mm (M) Aluminium front shape 145g (C) or 125g (M) Weight Stainless steel front shape 225g (C) or 160g (M)

INTENSA MRM0620

12-24 Vdc. max 650 mA/12 Vdc or 350 mA/24 Vdc Power supply Reflector angle

Optical window High-grade polycarbonate glass max. 550 lm Luminous flux

White color temperature Adjustable, from 2500K to 7500K in 21 steps

Black anodized aluminium Casing

Protection

Ø79mm x 37mm (C) or Ø79mm x 34mm (M) Dimensions Ø68mm x 31mm (C) or Ø68mm x 33mm (M) Mounting hole Weight Aluminium front shape 145g (C) or 125g (M)

Stainless steel front shape 225g (C) or 160g (M)



internal dimming control, 2-wire system

external dimming control, 3-wire system

Front shape

CAW round, classic, painted white aluminium round, classic, painted beige aluminium

round, classic, polished stainless steel CSG round, classic, polished gold (PVD) stainless steel

CSS round, classic, satin stainless steel round, modern, painted white aluminium

MAR round, modern, painted beige aluminium

round, modern, polished stainless steel round, modern, polished gold (PVD) stainless steel

MSS round, modern, satin stainless steel

QMAW square, modern, painted white aluminium QMAB square, modern, painted beige aluminium QMSP square, modern, polished stainless steel

QMSG square, modern, polished gold (PVD) stainless steel

QMSS square, modern, satin stainless steel

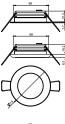
Color of lighting - INTENSA MRM0115 and MRM0220

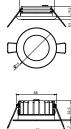
warm white adaylight white blue

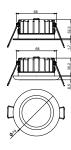
green

Color of lighting - INTENSA MRM0620

RGBW multi-color









Compact LED light with electronic driver built-in waterproof anodized aluminium casing designed by using 2, 3 or 6 high-power LEDs with built-in microprocessor which enables network connections and remote control with digital dimming.

Multi-color RGBW models offer the best illumination quality of different white lighting and microprocessorcontrolled changing of white and all other colors of lighting manually or automatically through the complete rainbow spectrum. The light is designed to adjust the requested white lighting in 21 steps.

Built-in ASTEL protocol enables complete lighting control by using optional DMX512 interface MXU01.

Advanced optical system with reflector and holographic diffuser allows perfect light spread with different color temperature options for interior and exterior.

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

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



- · Innovative Design
- **Anodized Aluminium Casings**
- 2, 3 or 6 High-Power LEDs Design
- Different Face Shapes and Finishes
- White, Blue, Green, Red or RGBW Multi-Color Lighting
- · Reflector with Holographic Diffuser
- · Microprocessor Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation

Control

internal dimming control, 2-wire system E external dimming control, 3-wire system

round, modern, painted white aluminium MAW MAB round, modern, painted beige aluminium MSP round, modern, polished stainless steel round, modern, polished gold (PVD) stainless steel

round, modern, satin stainless steel QMAW square, modern, painted white aluminium

QMAB square, modern, painted beige aluminium QMSP square, modern, polished stainless steel

QMSG square, modern, polished gold (PVD) stainless steel QMSS square, modern, satin stainless steel

Color of lighting . INTENSA MRM0230 and MRM0340

warm white daylight white blue green red

Color of lighting • INTENSA MRM0380

warm white daylight white

Color of lighting • INTENSA MRM0625 RGBW multi-color

INTENSA MRM0230

12-24 Vdc, max. 500 mA/12 Vdc or 260 mA/24 Vdc Power supply

Reflector angle

Optical window High-grade polycarbonate glass Luminous flux max. 530 lm (daylight white) 4500K (daylight) or 3000K (warm) White color temperature Black anodized aluminium Casing

IP 65 Protection

Dimensions Ø105mm x 30mm Mounting hole Ø79mm x 29mm Weight Aluminium front shape 190g Stainless steel front shape 250g



Power supply 12-24 Vdc, max. 800 mA/12 Vdc or 420 mA/24 Vdc

Reflector angle

Optical window High-grade polycarbonate glass Luminous flux max. 800 lm (daylight white) White color temperature 4500K (daylight) or 3000K (warm)

Black anodized aluminium Casing Protection

Dimensions Ø105mm x 30mm Mounting hole Ø79mm x 29mm Weight Aluminium front shape 190g Stainless steel front shape 250g

INTENSA MRM0380

Power supply 12-24 Vdc, max. 800 mA/12 Vdc or 420 mA/24 Vdc Reflector angle

Optical window High-grade polycarbonate glass max, 1300 lm (daylight white) Luminous flux 4500K (daylight) or 3000K (warm) White color temperature Casing Black anodized aluminium

Protection IP 65

Dimensions Ø105mm x 30mm Mounting hole Ø79mm x 29mm Weight Aluminium front shape 190g Stainless steel front shape 250g

INTENSA MRM0625

12-24 Vdc. max. 650 mA/12 Vdc or 350 mA/24 Vdc Power supply

130° Reflector angle

Optical window High-grade polycarbonate glass

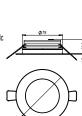
Luminous flux max. 550 lm

Adjustable, from 2500K to 7500K in 21 steps White color temperature

Casing Black anodized aluminium Protection IP 65 Ø105mm x 30mm Dimensions Ø79mm x 29mm

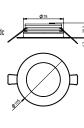
Mounting hole Weight Aluminium front shape 190g

Stainless steel front shape 250g











Compact LED light designed with 1, 3 or 6 high-power LEDs with electronic driver 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.

Built-in ASTEL protocol enables complete lighting control by using optional DMX512 interface MXU01.

Advanced optical system with reflector and holographic diffuser allows perfect light spread. Different color temperature options offer perfect 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 luxury yachts and superyachts.

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



- · 1. 3 or 6 High-Power LEDs Design
- · Anodized Aluminium Casings
- · Massive Face Shapes with Different Finishes
- · White, Blue, Green or Red Lighting
- · Reflector with Holographic Diffuser
- · Microprocessor Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation

ASTRA MSM0115

Power supply 12-24 Vdc, max. 300 mA/12 Vdc or 155 mA/24 Vdc

Reflector angle

High-grade polycarbonate glass Optical window max. 270 lm (daylight white) Luminous flux 4500K (daylight) or 3000K (warm) White color temperature Casing Black anodized aluminium

Protection

Ø88 mm x 12 mm Dimensions Weight Aluminium front shape 170g

Stainless steel front shape 260g



ASTRA MSM0320

12-24 Vdc, max. 330 mA/12 Vdc or 185 mA/24 Vdc Power supply

Reflector angle

Optical window High-grade polycarbonate glass Luminous flux max. 430 lm (daylight white) White color temperature 4500K (daylight) or 3000K (warm) Black anodized aluminium

Casing Protection IP 65

Dimensions Ø88 mm x 12 mm Weight Aluminium front shape 170g

Stainless steel front shape 260g



ASTRA MSM0650

Power supply 12-24 Vdc, max. 600 mA/12 Vdc or 315 mA/24 Vdc

Reflector angle

Optical window High-grade polycarbonate glass Luminous flux max. 870 lm (daylight white) White color temperature 4500K (daylight) or 3000K (warm) Casing Black anodized aluminium

Protection IP 65

Dimensions Ø108 mm x 12 mm Weight Aluminium front shape 250g Stainless steel front shape 350g



Control

internal dimming control, 2-wire system external dimming control, 3-wire system

Front shape

painted white aluminium

AB painted beige aluminium

polished stainless steel

SG polished gold (PVD) stainless steel

satin stainless steel

Color of lighting

warm white

adaylight white

blue green

red



mply...the brig



Innovative multi-color RGB LED interior & exterior light built-in waterproof stainless steel casing with different front shapes. It is suitable for using as interior and exterior downlight and step or staircase light to light to the floor under the angle of 45 degrees or straight.

The main feature is that ARCUS 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.

Built-in ASTEL protocol enables complete lighting control by using optional DMX512 interface MXU01.

All the models are available in polished stainless steel casings with multi-color RGB or WGB lighting with 1 high-brightness LED.











- · Innovative Design
- · Stainless Steel Casings
- Different Face Shapes
- Multi-Color RGB Lighting
- · Reflector with Holographic Diffuser
- Microprocessor Control
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation







ARCUS MRM01

Power supply 12-24 Vdc, max. 32 mA/12 Vdc or 18 mA/24 Vdc Lens angle 60° (angular lighting) or 90° (straight lighting)

Optical window High-grade polycarbonate glass

Luminous flux max 9 lm Lighting color RGB spectrum -10°C - +50°C Operating temperature Casing Stainless steel (SAE316L)

Protection

Ø40 mm x 26mm (slope front shape) Dimensions

Ø50 mm x 26mm (gentle front shape) Ø30 mm x 43mm (rail-mount model) 21mm (not for rail-mount model)

75g (slope front shape) 95g (gentle front shape) 150g (rail-mount model)

Front shape

Mounting hole

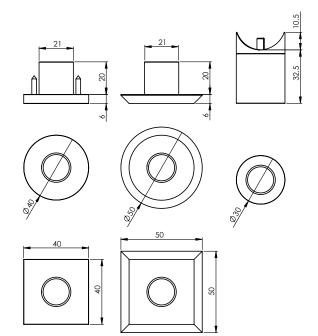
round slope square slope round gentle square gentle rail-mount

Direction of lighting

angular (not for rail-mount model)

Color of lighting

RGB multi-color





Ultra-thin compact surface-mount design with built-in driver enables very simple installation on the stern and both sides of the hull without making any bigger holes through the hull under waterline.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.





- · Innovative and Patented Design
- · Aluminium Bronze or Stainless Steel Ultra-Thin Casing
- · 6 Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · High Grade Polycarbonate Glass Optical Window
- · Vacuum Metalized Reflector
- · Remote Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation



Power supply 12-24 Vdc, max. 680 mA/12 Vdc or 380 mA/24 Vdc

PATENTED

Lens angle 60°

Optical window High-grade polycarbonate glass
Luminous flux max. 950 lm (white)
White color temperature 6.000 - 10.000 K
Operating temperature - 10°C - +50°C

Casing Aluminium bronze (AB2) or stainless steel (SAE316L)

Protection IP 68

Dimensions 99 x 69 x 10 mm Weight 0.3 kg

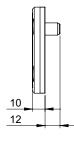
Material of casing

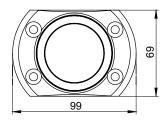
AB2 aluminium bronze SSP stainless steel

Color of lighting W white

B blue

M RGB multi-color





















Ultra-thin compact surface-mount design with built-in driver enables very simple installation on the stern and both sides of the hull without making any bigger holes through the hull under waterline.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.





- · Innovative and Patented Design
- · Aluminium Bronze or Stainless Steel Ultra-Thin Casing
- · 12 Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · High Grade Polycarbonate Glass Optical Window
- · Vacuum Metalized Reflector
- Remote Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation

EQUATOR MSR1280

Power supply 12-24 Vdc, max. 1.4 A/12 Vdc or 650 mA/24 Vdc

PATENTED

Lens angle

Optical window High-grade polycarbonate glass
Luminous flux max. 1.900 Im (white)
White color temperature 0.00° - 10.000 K
Operating temperature -10° C - +50° C

Casing Aluminium bronze (AB2) or stainless steel (SAE316L)

Protection IP 68

Dimensions 119 x 89 x 10 mm

Weight 0.4 kg

Material of casing

AB2 aluminium bronze SSP stainless steel

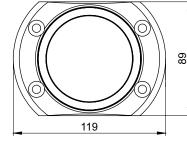
Color of lighting

W white B blue

green

M RGB multi-color
T WGB multi-color





















Ultra-thin compact surface-mount design with built-in driver enables very simple installation on the stern and both sides of the hull without making any bigger holes through the hull under waterline.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.







- · Aluminium Bronze or Stainless Steel Ultra-Thin Casing
- · 36 Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · High Grade Polycarbonate Glass Optical Window
- · Vacuum Metalized Reflector
- Remote Control
- Digital Dimming
- DMX512 Network Control
- · Polarity Protection
- Transient Protection
- Thermal Protection
- · Wide Range Power Supply
- · Low Power Consumption
- · Simple Installation

EQUATOR MSR36240

Power supply 12-24 Vdc, max. 4.3 A/12 Vdc or 1.9 A/24 Vdc

Lens angle 6

Optical window

Luminous flux

High-grade polycarbonate glass max. 5.700 lm (white) PATENTED

White color temperature 6.000 - 10.000 K Operating temperature -10°C - +50°C

Casing Aluminium bronze (AB2) or stainless steel (SAE316L)

Protection IP 68

Dimensions 139 x 109 x 10 mm

Weight 0.6 kg

Material of casing

AB2 aluminium bronze stainless steel

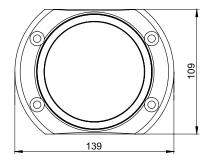
Color of lighting

white blue

green

RGB multi-color





















Registered slope-truncated cone designed casing for installation on the hull to light in different directions to the sea ground and to the both sides of the yacht.

Surface-mount designed casing enables very simple installation on the hull without making any bigger holes through the hull under water line.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.





- · Aluminium Bronze or Anodized Aluminium Casing
- 6 or 18 High-Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption
- Simple Installation
- Remote Control
- · Digital Dimming (optional)
- · DMX512 Network Control (optional)

Material of casing

AB2 aluminium bronze ALN anodized aluminium

Color of lighting - CONUS MST0680

W	white
В	blue
G	green

Color of lighting - CONUS MST18240

W		whit
В		blue
G		gree

RGB multi-color ■ ■ WGB multi-color

CONUS MST0680

Operating temperature

Power requirement 1 A / 1.5A Lens angle

Optical window 6 mm depth tempered glass Luminous flux max. 3.500 lm (white) White color temperature 6.000 - 10.000 K

-10°C - +50°C Casing Aluminium bronze (AB2)or anodized aluminium Protection

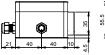
Dimensions 160x103x64mm

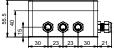
Weight 2.4 kg (bronze) / 0.9 kg (aluminium)



Power Supply Unit MPS021000 / MPS021500

Input voltage Consumption max. 1.7 Adc Operating temperature -10°C - +50°C ABS Casing Protection IP 65 127x111x55.5mm Dimensions Weight 0.3 kg





CONUS MST18240

Power requirement 3x1 A / 3x1.5 A Lens angle

Optical window 6 mm depth tempered glass Luminous flux max. 10.700 lm (white) 6.000 - 10.000 K White color temperature Operating temperature -10°C - +50°C

Aluminium bronze (AB2) or anodized aluminium Casing

Protection 217x142x85mm Dimensions

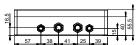
Weight 6.0 kg (bronze) / 2.3 kg (aluminium)



Power Supply Unit MPS061000 / MPS061500

Input voltage Consumption max. 5 Adc -10°C - +50°C Operating temperature ABS Casing Protection 200x160x55.5mm Dimensions Weight 0.6 kg















Registered slope-truncated cone designed casing for installation on the hull to light in different directions to the sea ground and to the both sides of the yacht.

Surface-mount designed casing enables very simple installation on the hull without making any bigger holes through the hull under water line.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.





- · Aluminium Bronze or Anodized Aluminium Casing
- · 6 or 18 High-Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption
- · Simple Installation
- · Remote Control
- Digital Dimming (optional)
- · DMX512 Network Control (optional)

Material of casing

AB2 aluminium bronze
ALN anodized aluminium

Color of lighting - CONUS MSR0680

W ☐ white
B ☐ blue
G ☐ green

Color of lighting - CONUS MSR18240

W white
B blue
G green

green

RGB multi-color

CONUS MSR0680

Power requirement 1 A / 1.5A Lens angle 50°

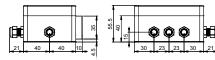
Optical window 6 mm depth tempered glass
Luminous flux max. 3.500 lm (white)
White color temperature 6.000 - 10.000 K

Operating temperature -10°C - +50°C Casing Aluminium bronze (AB2) or anodized aluminium

Protection IP 68
Dimensions 160x103x85mm

Weight 2.4 kg (bronze) / 0.9 kg (aluminium)

Power Supply Unit MPS021000 / MPS021500



CONUS MSR18240

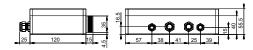
Power requirement 3x1 A / 3x1.5 A 50° 50° Optical window 6 mm depth tempered glass Luminious flux max. 10.700 lm (white) White color temperature 6.000 - 10.000 K

Operating temperature -10°C - +50°C
Casing Aluminium bronze (AB2) or anodized aluminium

Protection IP 68
Dimensions 217x142x106mm

Weight 6.0 kg (bronze) / 2.3 kg (aluminium)

Power Supply Unit MPS061000 / MPS061500













Truncated cone surface-mount designed casing enables very simple installation on the hull without making any bigger holes through the hull under water line.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.





- · Aluminium Bronze or Anodized Aluminium Casing
- · 6 or 18 High-Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption
- · Simple Installation
- Remote Control
- Digital Dimming (optional)
- · DMX512 Network Control (optional)

Material of casing

AB2 aluminium bronze ALN anodized aluminium

green

Color of lighting - CONVEX MST0680

white В blue

Color of lighting - CONVEX MST18240

white blue

green

RGB multi-color ■ WGB multi-color

CONVEX MST0680

Power requirement Lens angle

Optical window 6 mm depth tempered glass max. 3.500 lm (white) Luminous flux White color temperature 6.000 - 10.000 K

Operating temperature -10°C - +50°C Casing Aluminium bronze (AB2) or anodized aluminium

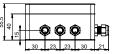
Protection Dimensions Ø136x34mm

Weight 2.0 kg (bronze) / 0.8 kg (aluminium)

Power Supply Unit MPS021000 / MPS021500

Input voltage 24 Vdc Consumption max. 1.7 Adc -10°C - +50°C Operating temperature Casing ABS Protection IP 65 Dimensions 127x111x55.5mm Weight 0.3 kg





CONVEX MST18240

Power requirement 3x1 A / 3x1.5 A Lens angle

6 mm depth tempered glass Optical window max. 10.700 lm (white) Luminous flux 6.000 - 10.000 K White color temperature -10°C - +50°C Operating temperature

Aluminium bronze (AB2) or anodized aluminium Casing

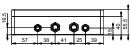
Protection Dimensions

2.7 kg (bronze) / 1.1 kg (aluminium) Weight

Power Supply Unit MPS061000 / MPS061500

Input voltage Consumption max. 5 Adc -10°C - +50°C Operating temperature Casing ARS Protection IP 65 Dimensions 200x160x55.5mm Weight 0.6 kg















Truncated cone surface-mount designed casing enables very simple installation on the hull without making any bigger holes through the hull under water line.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.





- · Aluminium Bronze or Anodized Aluminium Casing
- · 6 or 18 High-Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption
- · Simple Installation
- · Remote Control
- · Digital Dimming (optional)
- · DMX512 Network Control (optional)

Material of casing

AB2 aluminium bronze
ALN anodized aluminium

Color of lighting - CONVEX MSR0680

W white
B blue
G green

Color of lighting - CONVEX MSR18240

W white
B blue
G green

RGB multi-color

WGB multi-color

CONVEX MSR0680

Power requirement 1 A / 1.5 A Lens angle 50°

Optical window 6 mm depth tempered glass Luminous flux max. 3.500 lm (white) White color temperature 6.000 - 10.000 K

Operating temperature -10°C - +50°C

Casing Aluminium bronze (AB2) or anodized aluminium

Protection IP 68
Dimensions Ø136x34mm

Weight 2.0 kg (bronze) / 0.8 kg (aluminium)

Power Supply Unit MPS021000 / MPS021500

 Input voltage
 24 Vdc

 Consumption
 max. 1.7 Adc

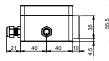
 Operating temperature
 -10°C·+50°C

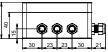
 Cassing
 ABS

 Protection
 IP 65

 Dimensions
 127X111x55.5mm

 Weight
 0.3 kg





CONVEX MSR18240

Power requirement 3x1 A / 3x1.5 A Lens angle 50°

Optical window 6 mm depth tempered glass
Luminous flux max. 10.700 lm (white)
White color temperature Operating temperature

Operating temperature

Operating temperature

Operating temperature

Operating temperature

Casing Aluminium bronze (AB2) or anodized aluminium

Protection IP 68 Dimensions Ø166x34n

Weight 2.7 kg (bronze) / 1.1 kg (aluminium)

Power Supply Unit MPS061000 / MPS061500

 Input voltage
 24 Vdc

 Consumption
 max. 5 Adc

 Operating temperature
 -10°C - +50°C

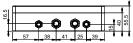
 Casing
 ABS

 Protection
 IP 65

 Dimensions
 200x160x55.5mm

 Weight
 0.6 kg















The underwater light designed to use the latest LED lighting technology for flush-mount installation where the most important is low-profile casing to avoid high water resistance and quality materials to assure very reliability installation and operation.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

Multi-color RGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.





PLAQUE MFM0680

Power requirement 1 A / 1.5 ALens angle 50°

Optical window 6 mm depth tempered glass
Luminous flux max. 3.500 lm (white)
White color temperature 0.000 - 10.000 K
Operating temperature -10°C - +50°C

Protection IP 68
Dimensions Ø110x135mm
Weight 2.3 kg





Power Supply Unit MPS021000 / MPS021500

Aluminium bronze (AB2)

 Input voltage
 24 Vdc

 Consumption
 max. 1.7 Adc

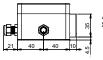
 Operating temperature
 -10°C - +50°C

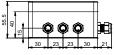
 Casing
 ABS

 Protection
 IP 65

 Dimensions
 127x111x55.5mm

 Weight
 0.3 kg





- · Aluminium Bronze Casing
- · 6 or 18 High-Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption
- · Remote Control
- · Digital Dimming (optional)
- · DMX512 Network Control (optional)

Material of casing

AB2 aluminium bronze

Color of lighting - PLAQUE MFM0680

W white
B blue
G green

Color of lighting - PLAQUE MFM18240

W white B blue

G green

RGB multi-color
WGB multi-color

PLAQUE MFM18240

Power requirement 3x1 A / 3x1.5 A Lens angle 50°

Optical window 6 mm depth tempered glass
Luminous flux max. 10.700 lm (white)
White color temperature 6.000 - 10.000 K

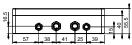
Operating temperature
Casing

Operating temperature
-10°C - +50°C
Almonium bronze (AB2)

Protection IP 68
Dimensions Ø140x190mm
Weight 6.7 kg

Power Supply Unit MPS061000 / MPS061500













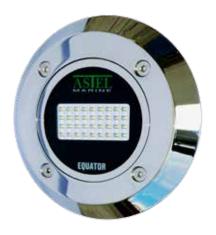


Superyacht Underwater LED Lights

Ultra-thin compact design with built-in driver for surface-mount installation.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol

Multi-color RGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.





- · Innovative Design
- Stainless Steel Ultra-thin Casing
- 36 Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · High Grade Polycarbonate Glass Optical Window
- Vacuum Metalized Reflector
- · Remote Control
- · Digital Dimming
- DMX512 Network Control
- · Polarity Protection
- Transient Protection
- · Thermal Protection
- Low Power Consumption

EQUATOR MSR36240P 24 Vdc. max. 3.4 A

Power supply Lens angle Optical window

Luminous flux White color temperature Operating temperature Casing

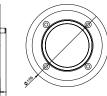
Protection Dimensions Weight

High-grade polycarbonate glass max. 8.300 lm (white) 6.000 - 10.000 K -10°C - +50°C Stainless steel (SAE316L)

IP 68 Ø166 x 15 mm 1.7 kg



Power supply Lens angle



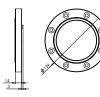
EQUATOR MSR36240S

24 Vdc, max. 3.4 A

Optical window High-grade polycarbonate glass max. 8.300 lm (white) Luminous flux 6.000 - 10.000 K White color temperature Operating temperature -10°C - +50°C

Casing Stainless steel (SAE316L) Protection IP 68

Dimensions Ø139 x 15 mm 1.4 kg Weight



Color of lighting

white blue

RGB multi-color WGB multi-color















Superyacht Underwater LED Lights

Robust design with separate power supply unit (driver) for installation with optional cofferdam.

Single-color light control by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol

Multi-color RGB or WGB light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.



- · Innovative Design
- Stainless Steel Casing
- · 18 Power LEDs Design
- · White, Blue, Green, RGB or WGB Multi-Color Lighting
- · Tempered Glass Optical Window
- · High-Efficiency Lens
- · Remote Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection
- · Low Power Consumption



Color of lighting

white

blue

green

RGB multi-color

■ WGB multi-color









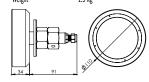




CONVEX MTH18240S

Power requirement 3 x 1 A / 3x1.5 A Lens angle Optical window 6 mm depth tempered glass

max. 10.700 lm (white) Luminous flux 6.000 - 10.000 K White color temperature -10°C - +50°C Operating temperature Casing Stainless steel (SAE316L) Protection IP 68 Ø110x125mm (MTH) Dimensions Weight 1.9 kg



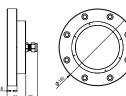
CONVEX MSR18240S

Power requirement 3 x 1 A / 3x1.5 A Lens angle 6 mm depth tempered glass

Optical window max. 10.700 lm (white) Luminous flux White color temperature Operating temperature Casing Protection

6.000 - 10.000 K -10°C - +50°C Stainless steel (SAE316L) IP 68 Ø140x34mm (MSR)

Dimensions Weight 2.3 kg



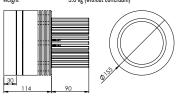
PLAQUE MFM18240S

Power requirement 3 x 1 A / 3x1.5 A Lens angle

Optical window 6 mm depth tempered glass max. 10.700 lm (white) Luminous flux 6.000 - 10.000 K White color temperature -10°C - +50°C Operating temperature Casing Aluminium

IP 68 Protection

Dimensions Ø155x173mm (without cofferdam) 3.6 kg (without cofferdam) Weight



Power Supply Unit MPS061000 / MPS061500

Input voltage max. 5 Adc Consumption Operating temperature -10°C - +50°C ABS Casing IP 65 Protection 200x160x55.5mm Dimensions Weight 0.6 kg



Superyacht Underwater LED Lights

Professional robust design with separate power supply unit (driver) for installation with optional welded cofferdam.

White-color light control by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.

Multi-color RGBW light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.





- · Innovative Design
- · Stainless Steel Ultra-Thin Casing
- 9 or 18 High-Power LEDs Design
- · White or RGBW Multi-Color Lighting
- · Tempered Glass Optical Window
- · Vacuum Metalized Reflector
- · Remote Control
- · Digital Dimming
- · DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection



white

RGBW multi-color

CONVEX MSR09200

1 A (white), 4 x 1 A (RGBW) Power requirement

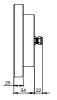
Lens angle Optical window 15 mm tempered glass

max. 14.000 lm (white) Luminous flux 6.000 - 10.000 K White color temperature -10°C - +50°C Operating temperature

Casing Stainless steel (SAE316L) or aluminium Protection IP 68

Ø192x54 mm Dimensions

Weight 6.2 kg (stainless steel), 2.5 kg (aluminium)





Power Supply Unit MPS91000

Input voltage 120-277 Vac, 50/60Hz 120W (white), 100W (RGBW) Consumption Operating temperature -10°C - +50°C

Casing IP 56 Protection 300x220x120mm Dimensions Weight 3 kg (white), 4 kg (RGBW)

CONVEX MSR18300

Power requirement 2 x 1 A (white), 4 x 1 A (RGBW)

Lens angle

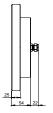
Optical window 15 mm tempered glass Luminous flux max. 28.000 lm (white) White color temperature 6.000 - 10.000 K Operating temperature -10°C - +50°C

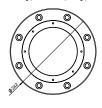
Stainless steel (SAE316L) or aluminium Casing

IP 68 Protection

Ø242x54 mm Dimensions

Weight 9.4 kg (stainless steel), 3.7kg (aluminium)





Power Supply Unit MPS181000 120-277 Vac. 50/60Hz Input voltage Consumption 240W (white), 200W (RGBW) -10°C - +50°C Operating temperature

Casing ARS Protection IP 56 380x300x120mm 4 kg (white), 5 kg (RGBW) Weight







Superyacht Underwater LED Lights

Professional robust design with separate power supply unit (driver) for installation with corresponding cofferdam which enables reliable management from the inside of the hull.

White-color light control by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.

Multi-color RGBW light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch or optional DMX512 interface MXU01 with built-in ASTEL protocol.





- · Innovative Design
- · High-Grade Aluminium or Stainless Steel Cofferdam with Aluminium Light Body
- 9 or 18 High-Power LEDs Design
- · White or RGBW Multi-Color Lighting · Tempered Glass Optical Window
- · Vacuum Metalized Reflector
- · Remote Control
- · Digital Dimming
- DMX512 Network Control
- · Polarity Protection
- · Transient Protection
- · Thermal Protection



Color of lighting

white

RGBW multi-color

PLAQUE MFM09200

Power requirement 1 A (white), 4 x 1 A (RGBW) Lens angle

Optical window 15 mm tempered glass (cofferdam)

Luminous flux max. 14.000 lm (white) White color temperature 6.000 - 10.000 K Operating temperature -10°C - +50°C Aluminium

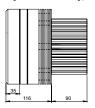
Protection IP 68

Dimensions Ø190x170 mm (without cofferdam) Weight 4.8 kg (without cofferdam)

Power Supply Unit MPS91000

Input voltage 120-277 Vac, 50/60Hz 120W (white), 100W (RGBW) Consumption -10°C - +50°C Operating temperature

Casing ABS IP 56 Protection Dimensions 300x220x120mm 3 kg (white), 4 kg (RGBW) Weight





PLAQUE MFM18300

2 x 1 A (white), 4 x 1 A (RGBW) Power requirement

Lens angle

Optical window

15 mm tempered glass (cofferdam) max. 28.000 lm (white)

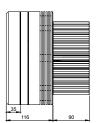
Luminous flux White color temperature 6.000 - 10.000 K -10°C - +50°C Operating temperature Casing Aluminium Protection

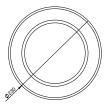
Dimensions Ø230x170 mm (without cofferdam) Weight 7.1 kg (without cofferdam)

Power Supply Unit MPS181000

120-277 Vac, 50/60Hz Input voltage Consumption 240W (white), 200W (RGBW) Operating temperature -10°C - +50°C

ARS Casing Protection IP 56 Dimensions 380x300x120mm 4 kg (white), 5 kg (RGBW) Weight











Underwater LED Dock Lights

Truncated cone surface-mount designed casings enable very simple installations to the piers, floating pontoons and docks.

Single-color light control by using optional momentay switch or optional DMX512 interface MXU01 and PWM dimmer MDU13 with built-in ASTEL protocol.

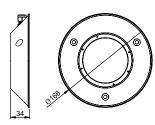


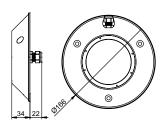


- · Aluminium Bronze Casing
- 18 High-Power LEDs Design
- · Cool White Lighting
- Tempered Glass Optical Window
- Wide Range Power Supply 100-240 Vac
- · High-Efficiency Lens
- Polarity Protection
- Transient Protection
- Thermal Protection
- Low Power ConsumptionSimple Installation
- Digital Dimming (optional)
- DMX512 Network Control (optional)

CONVEX MST18240 AB2WD / MSR18240 AB2WD

Lens angle Optical window 6 mm depth tempered glass 16.000 lm Luminous flux White color temperature 6.000 K Operating temperature -10°C - +50°C Casing Aluminium bronze (AB2) Protection IP 68 Ø166x34mm Dimensions 2.7 kg Weight





Dimensions 219x63x35.5mm Weight 1 kg







Wireless Yacht Control Systems

Patented RF microprocessor-based high-reliable wireless remote control system for motor yachts designed especially for controlling engines, thrusters and anchor windlass. By using the remote controller 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 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 the skipper can manoeuvre the vessel to the buoy with pinpoint accuracy and secure the line without any assistance.

Additional control unit MYW868BE can 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.

- · 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

Number of control functions

- 2-function control system
 - 1 engine control
 - anchor windlass control
- 3-function control system
 - 1 engine control
 - bow thruster control
 - anchor windlass control
- 4-function control system
 - 1 engine control
 - bow thruster control
 - etern thruster control
 - anchor windlass control

- 3-function control system
 - port/starboard engine control
 - anchor windlass control
 - 4-function control system
 - port/starboard engine control - bow thruster control

 - anchor windlass control
- 5-function control system
 - port/starboard engine control
 - bow thruster control
 - stern thruster control
 - anchor windlass control

MYW868B/CP

Number of channels Transmission code Frequency

6.8 or 10 40 bit 868 MHz

Transmitter RF output power Power requirement Operating temperature Casing Dimensions (L x W x H) Weight (incl. battery)

max. 10 mW 3V lithium battery CR2 0°C - +50°C ABS, IP65 protection 150 x 60 x 34 mm 0.2 kg



PATENTED

Receiver 12 - 24Vdc Power requirement max. 300 mAdc Consumption Operating temperature 0°C - +50°C ABS, IP65 protection Dimensions (L x W x H) 200 x 120 x 55 mm Weight 0.5 kg



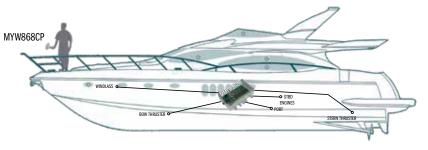
MYW868BE

Power requirement 12 - 24Vdc Consumption Operating temperature Casing Dimensions (L x W x H)

max. 300 mAdc 0°C - +50°C ABS, IP65 protection 160 x 100 x 55 mm

0.3 kg

- · Multi-Control Relay Outputs
- LED indicators
- Wide Range Power Supply
- Low Power Consumption
- ABS Casings with IP65 Protection

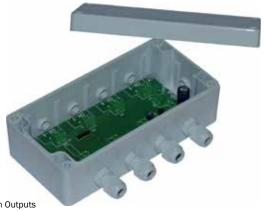






Accessories

Synchronization of color of lighting for complete group of multi-color lights when automatical changing of color of lighting through the complete rainbow spectrum is selected and controlled by using optional momentary switch.



Synchronization Unit MSU08

 Input voltage
 12-24 Vdc

 Consumption
 max. 10 mAdc

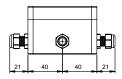
 Operating temperature
 -10°C - +50°C

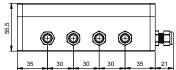
 Casing
 ABS

 Protection
 IP 65

 Dimensions
 max. 181x122x55.5mm

 Weight
 0.3 kg





- · 8 Synchronization Outputs
- · Wide Range Power Supply
- · Low Power Consumption
- · Polarity Protection
- Transient Protection
- · Short Circuit Output Protection
- Simple Installation

Dimming of single-color lights or group of lights by using optional momentary switch. Three-color light control with dimming and changing of color of lighting manually or automatically through the complete rainbow spectrum by using optional momentary switch. Built-in ASTEL protocol to control single-color lights or three-color lights by using optional DMX512 interface MXU01 or MXU03.



PWM Dimmer MDU13

 Input voltage
 12-24 Vdc

 Consumption
 max. 10 mAdc

 ASTEL protocol default address
 1

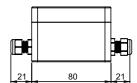
 Operating temperature
 -10°C - +50°C

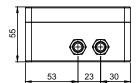
 Casing
 ABS

 Protection
 IP 65

 Dimensions
 max. 106x122x55.5mm

Weight 0.2 kg





- 3 Control Outputs
- Adjustable PWM Frequency
- · Wide Range Power Supply
- · Low Power Consumption
- · Polarity Protection
- · Transient Protection
- Short Circuit Output Protection
- Simple Installation

Accessories

DMX512 to ASTEL protocol multi-light converter to control multi-color light or one group of multi-color lights with built-in ASTEL protocol or to control single-color light or one group of single-color lights by the help of PWM Dimmer MDU13 with built-in ASTEL protocol.



- · 1 Control Output
- DIP-switch Programmable
- Multi Speed Mode
- · Wide Range Power Supply
- · Low Power Consumption
- Polarity Protection
- · Transient Protection
- · Short Circuit Output Protection
- Simple Installation

DMX512 Interface MXU01

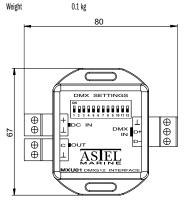
 Input voltage
 12-24 Vdc

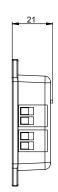
 Consumption
 max. 50 mAdc

 Operating temperature
 -10°C -+50°C

 Casing
 ABS

 Dimensions
 max. 67x80x21mm





To protect the Underwater LED Lights against galvanic corrosion where the underwater lights are installed on steel or aluminium hull.

Isolation Board IB01

Thickness 1 mm Material polycarbonate

Underwater Light series

EQ06 for Equator MSR0640 series
EQ12 for Equator MSR1280 series
EQ36 for Equator MSR36240 series

 CU06
 for Conus MST0680 and MSR0680 series

 CU18
 for Conus MST18240 and MSR18240 series

 CX06
 for Convex MST0680 and MSR0680 series

 CX18
 for Convex MST18240 and MSR18240 series

PQ06 for Plaque MFM0680 series PQ18 for Plaque MFM18240 series

Superyacht Underwater Light series

EQ36P for Equator MSR36240P series

To install the Superyacht Underwater LED Lights. Enables reliable installation and maintenance. Made of material as specially requested.

Cofferdam CD01

Superyacht underwater light series

EQ36S for Equator MSR36240S series
CX18S for Convex MTH18240S series
CX09P for Convex MSR09150 series
CX18P for Convex MSR18300 series
PQ09P for Plaque MFM09150 series
PQ18P for Plaque MFM18300 series

Notes		







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