



Underwater Pool LED Lighting
2026



Simply the brightest.

Villa Conti
Bali, Indonesia

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The ASTELIGHTING brand name was launched in 2009 as the result of very well accepted underwater marine lighting products fitted in luxury yachts.

The METEOR series is the newest world's first compact ultra-thin LED underwater pool light with built-in driver is designed to use the latest LED lighting technology. The main feature is that METEOR lights can be installed on a flat surface without any surface preparation during construction. For other installations and replacements the special adapters are available. The multi-color versions of METEOR series allow changing the color of lighting manually or automatically through the complete rainbow spectrum.

The METEOR XP series is the new extremely powerful LED lights is basically designed for installation in large pools. The special designed niches allow standard installations in pools using different materials and finishes. All the models are designed with stainless steel casing.

"We strive for technical perfection in all of our products, and the key directions of our company have always been innovation and distinctiveness. The wide range of our marine and architectural fittings are of the highest possible quality made from carefully selected components and professional solid materials."

Our Story

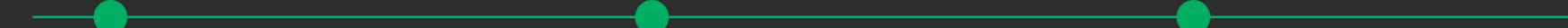
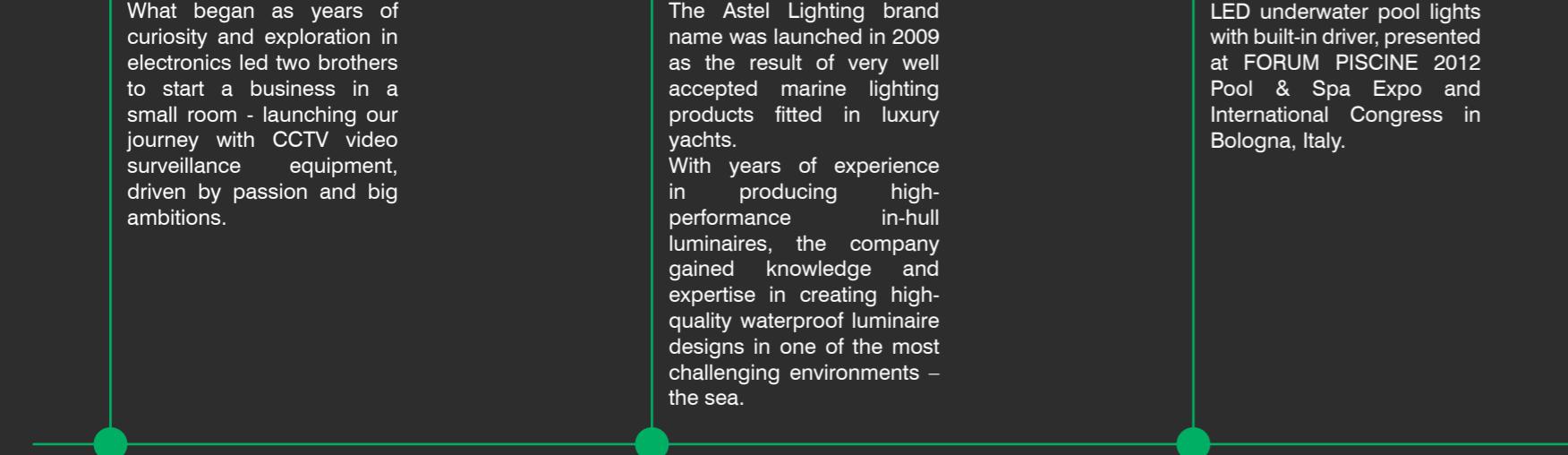


1991 WHEN IT ALL BEGAN

What began as years of curiosity and exploration in electronics led two brothers to start a business in a small room - launching our journey with CCTV video surveillance equipment, driven by passion and big ambitions.

2009 ASTEL LIGHTING

The Astel Lighting brand name was launched in 2009 as the result of very well accepted marine lighting products fitted in luxury yachts. With years of experience in producing high-performance in-hull luminaires, the company gained knowledge and expertise in creating high-quality waterproof luminaire designs in one of the most challenging environments – the sea.



2012 METEOR

The launch of METEOR series of compact ultra-thin LED underwater pool lights with built-in driver, presented at FORUM PISCINE 2012 Pool & Spa Expo and International Congress in Bologna, Italy.



2016 METEOR XP

Engineered for powerful underwater illumination, the METEOR XP delivers intense brightness at 10,000 and 15,000 lumens - ideal for public, sports, and large hotel pools. This high-performance lighting solution was introduced at the 2016 PISCINE GLOBAL EXHIBITION in Lyon, France.



2018 NEW MOUNTING SOLUTIONS FOR METEOR SERIES

Designed for seamless integration into concrete pool walls, the Concrete Pool Niche allows the METEOR light to align perfectly with ceramic tile finishes, ensuring a clean and flush installation.



2019 ASTEL LIGHTING IN LAS VEGAS

The spectacular illumination of KAOS pool at Palms, Las Vegas, Nevada. The integration of Astel Lighting underwater pool lights METEOR and METEOR XP series was made by National Technology Associates (NTA), as our official representative for the US market.

Timeline



ASTEL
U S A



2022 UL Certificate of Compliance

To ensure competence that Astel Lighting products conform to a set of recognized industry standards, we added a new certificate. This milestone not only reinforces the quality of Astel Lighting solutions but also opens the door to new opportunities across the U.S. market.

2024 ASTEL USA

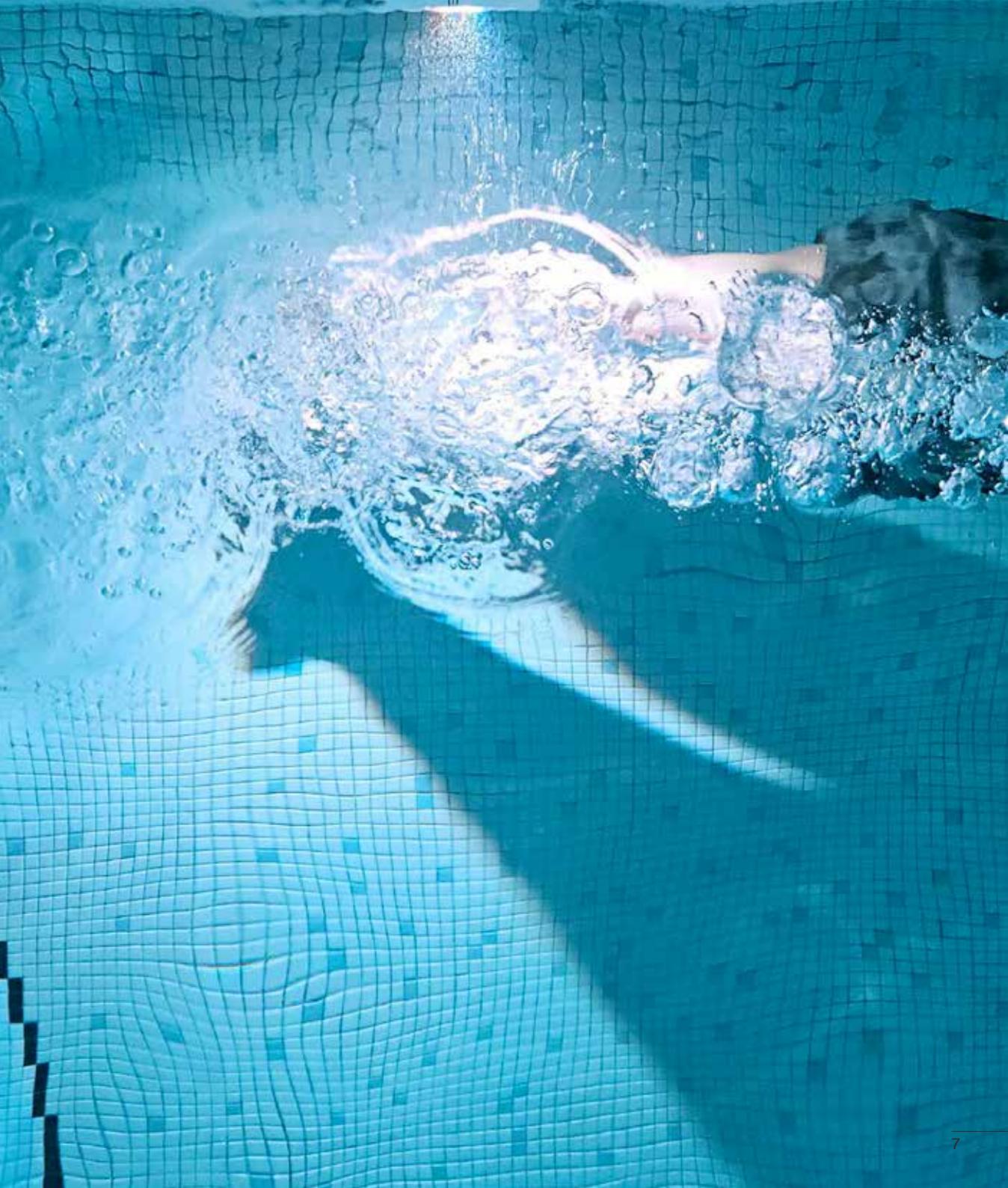
Our expansion into the United States marked the launch of Astel USA, accompanied by strategic partnerships with a wide network of representatives and exhibitions at Everything under the sun EXPO in Orlando, Florida and International Pool Spa Patio EXPO in Dallas, Florida.

2024 QUASAR

World's first underwater pool light made entirely of glass. Unveiled at the 2024 PISCINE GLOBAL EXHIBITION in Lyon, France.

2025 cUL Certificate of Compliance

Our series of METEOR underwater LED lights is now officially cUL certified to UL 676 - Standard for Underwater Luminaires and Submersible Luminaires. This certification reaffirms our commitment to engineering excellence and opens new opportunities for the METEOR series across Canada.





UNDERWATER POOL LED LIGHTS

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Due to continuous product improvement all specifications and designs are subject to change without notice.

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METEOR LSR3650
METEOR XPL-SR310
METEOR XPL-SR315

Underwater Pool LED Lights

QUASAR

The QUASAR, a compact surface-mount low-profile underwater pool LED light with built-in driver is designed to use the latest LED lighting technology with consideration of the maximum extent from sustainable materials.

The casing is entirely made of thermally treated glass but at the same time is ensured to be easily installed without using of external metal parts. Beside the direct surface-mount installation the casing is easy adaptable for installation to different adapters for flush-mount installations and different pool finishes.

The design ensures excellent waterproofing as well as optimal lighting properties.

The single-color or multi-color versions allow changing the color of lighting through the complete color spectrum by using of optional DMX512 controllers and simple control of complete group of lights with dimming.

Features

- Innovative Design
- Low-Profile Thermal-Treated Glass Casing
- 12 Power LEDs Design
- Cool White, Warm White, Blue, Green or Multi-Color RGB / WGB / RGBW Lighting
- Vacuum Metalized Reflector
- Remote Control
- Digital Dimming
- Built-in ASTEL Protocol for DMX512 Control of Multi-Color versions
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation

RGB MULTI-COLOR **WGB** MULTI-COLOR **RGBW** MULTI-COLOR



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Color of lighting

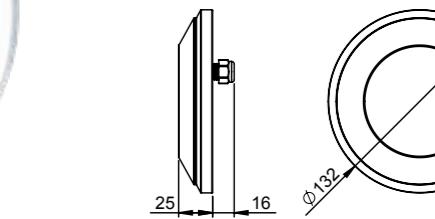
W	cool white
WW	warm white
B	blue
G	green
M	RGB multi-color
WM	WGB multi-color
MW	RGBW multi-color

Beam angle

—	standard
D	wide

QUASAR LS1120

Power supply	12–24 Vdc, max. 1.2 A/24Vdc or 50 mA/24Vdc
Lens angle	60° (standard) or 100° (wide)
Luminous flux	max. 1.90 lm (cold white)
ASTEL protocol	default/direct
Operating temperature	-10°C + 50°C
Casing	Thermally-treated glass
Protection	IP68
Dimensions	Ø 132 x 25 mm
Weight	0.7 kg



METEOR

Ultra-thin compact surface-mount design.
Single-color light control by using optional
momentary switch or optional DMX512 interface
LXU01 and PWM dimmer LDU13 with built-in
ASTEL protocol.
Multi-color 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 LXU01 with built-in ASTEL protocol.

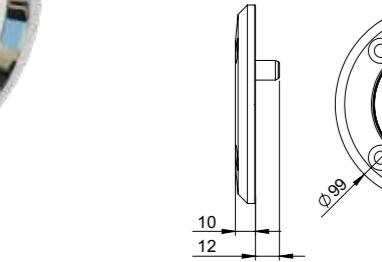
Features

- Stainless Steel Casing
- 6 Power LEDs Design
- Cool White, Warm White, Blue, Green, Red and Multi-Color Lighting
- High Grade Polycarbonate Glass Optical Window
- Vacuum Metallized Reflector
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Low Power Consumption
- Simple Installation



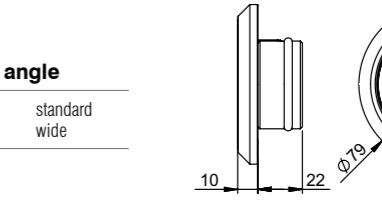
METEOR LS0640

Power supply: 12–24 Vdc, max: 0.1 A/12 Vdc or 0.10 mA/4 Vdc
Beam angle: 60° (standard) or 10° (wide)
Optical window: High-grade polycarbonate glass
Luminous flux: max. 95 lm (cool white)
Operating temperature: -10°C + 50°C
Casing: Stainless steel (AISI 316L)
Protection: IP 68
Dimensions: Ø 99 x 10 mm
Weight: 0.4 kg



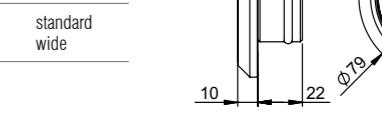
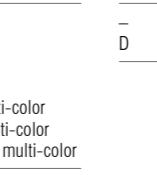
Installation

U adapted for installation with Flushing Fitting Adapter LF0640
- other installations



METEOR LS0640N

For flush-mount installation into the standard wall inlet
Power supply: 12–24 Vdc, max: 0.1 A/12 Vdc or 0.10 mA/4 Vdc
Lens angle: 60° (standard) or 10° (wide)
Optical window: High-grade polycarbonate glass
Luminous flux: max. 95 lm (cool white)
Operating temperature: -10°C + 50°C
Casing: Stainless steel (316L)
Protection: IP 68
Dimensions: Ø 99 x 10 mm
Weight: 0.3 kg



Color of lighting		Beam angle	
W	cool white	-	standard
WW	warm white	D	wide
B	blue		
G	green		
M	RGB multi-color		
WM	WGB multi-color		
MW	RGBW multi-color		

METEOR

Ultra-thin compact surface-mount design.
Single-color light control by using optional
momentary switch or optional DMX512 interface
LXU01 and PWM dimmer LDU13 with built-in
ASTEL protocol.

Multi-color 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 LXU01 with built-in ASTEL protocol.

Features

- Stainless Steel Casing
- 6 Power LEDs Design
- Cool White, Warm White, Blue, Green, Red and 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
- Low Power Consumption
- Simple Installation



RGB
MULTI-COLOR



WGB
MULTI-COLOR

RGBW
MULTI-COLOR



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METEOR LS0640EQ

Power supply: 12–24 Vdc, max: 10 A/24 Vdc or 10 A/48 Vdc
Lens angle: 60° (standard) or 10° (wide)
Optical window: High grade polycarbonate glass
Luminous flux: max. 90 lm (cool white)
Operating temperature: -10°C + 50°C
Casing: Stainless steel (316)
Protection: IP 68
Dimensions: 99 x 69 x 10 mm
Weight: 0.3 kg

**Color of lighting**

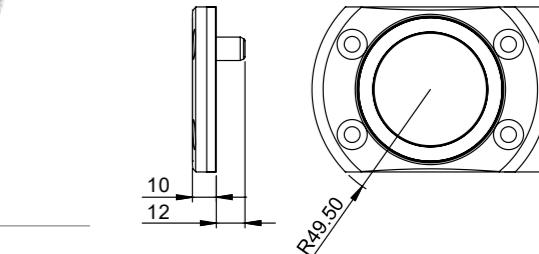
W	cool white
WW	warm white
B	blue
G	green
M	RGB multi-color
WM	WGB multi-color
MW	RGBW multi-color

Beam angle

—	standard
D	wide

Installation

U	adapted for installation with Flush Fitting Adapter LFFA0640
—	other installations



METEOR

Ultra-thin compact surface-mount design.
Single-color light control by using optional
momentary switch or optional DMX512 interface
LXU01 and PWM dimmer LDU13 with built-in
ASTEL protocol.
Multi-color 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 LXU01 with built-in ASTEL protocol.

Features

- Stainless-Steel Casing
- 12 Power LEDs Design
- Cool White, Warm White, Blue, Green and 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
- Low Power Consumption
- Simple Installation

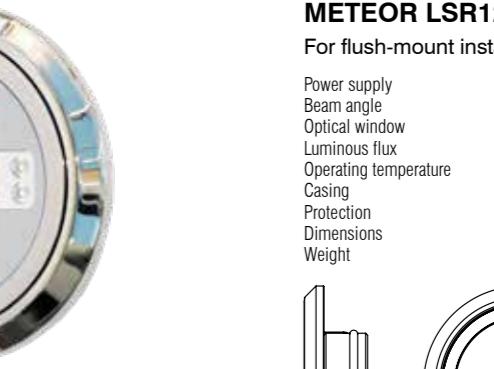
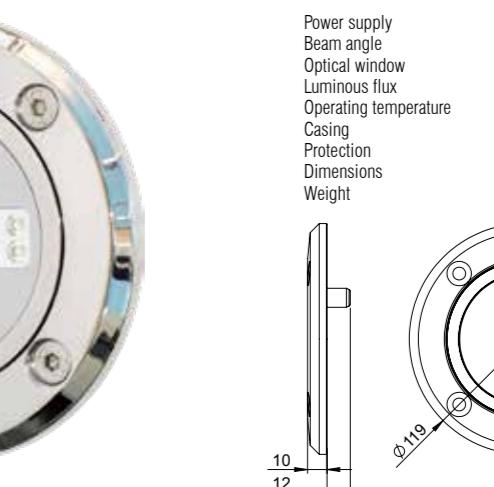
RGB MULTI-COLOR **WGB** MULTI-COLOR **RGBW** MULTI-COLOR



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Color of lighting	Beam angle
W	cool white
WW	warm white
B	blue
G	green
M	RGB multi-color
WM	WGB multi-color
MW	RGBW multi-color



Installation

U adapted for installation with flushing adapter LF120
- other installations

METEOR LS120

Power supply: 12-24 Vdc, max. 1.8 A/12Vdc or 0.90 mA/24Vdc
Beam angle: 60° (standard) or 100° (wide)
Optical window: High-grade polycarbonate glass
Luminous flux: max. 1.90 lm (cool white)
Operating temperature: -10°C + 50°C
Casing: Stainless steel (S316L)
Protection: IP 68
Dimensions: Ø 119 x 10 mm
Weight: 0.6 kg

Power supply: 12-24 Vdc, max. 1.8 A/12Vdc or 0.90 mA/24Vdc
Beam angle: 60° (standard) or 100° (wide)
Optical window: High-grade polycarbonate glass
Luminous flux: max. 1.90 lm (cool white)
Operating temperature: -10°C + 50°C
Casing: Stainless steel (S316L)
Protection: IP 68
Dimensions: Ø 99 x 10 mm
Weight: 0.4 kg

METEOR

Ultra-thin compact surface-mount design.
Single-color light control by using optional
momentary switch or optional DMX512 interface
LXU01 and PWM dimmer LDU13 with built-in
ASTEL protocol.

Multi-color 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 LXU01 with built-in ASTEL protocol.

Features

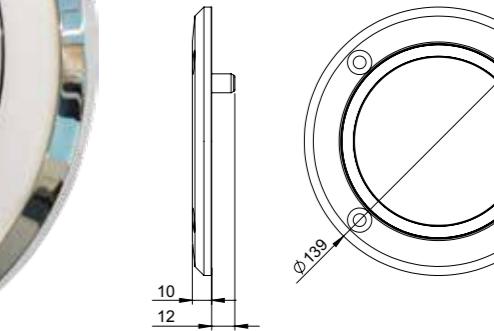
- Stainless-Steel Casing
- 36 Power LEDs Design
- Cool White, Warm White, Blue, Green and Multi-Color
Lighting
- High Grade Polycarbonate Glass Optical Window
- Vacuum Metalized Reflector
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Low Power Consumption
- Simple Installation

RGB MULTI-COLOR **WGB** MULTI-COLOR **RGBW** MULTI-COLOR



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Cypress Harbour
Orlando, Florida, USA



METEOR LS36240

Power supply	12-24 Vdc, max. 4 A/24dc or 2 A/24dc
Beam angle	60° (standard) or 100° (wide)
Optical window	High-grade polycarbonate glass
Luminous flux	max. 5.70 lm (col. white)
Operating temperature	-10°C - +50°C
Casing	Stainless-steel (AISI 316L)
Protection	IP 68
Dimensions	Ø 139 x 10 mm
Weight	0.8 kg

Color of lighting

W	cool white
WW	warm white
B	blue
G	green
M	RGB multi-color
WM	WGB multi-color
MW	RGBW multi-color

Beam angle

—	standard
D	wide

Installation

U	adapted for installation with Flush Fitting Adapter LFFA36240
-	other installations

Underwater Pool LED Lights

METEOR

Ultra-thin compact surface-mount design.
Single-color light control by using optional
momentary switch or optional DMX512 interface
LXU01 and PWM dimmer LDU13 with built-in
ASTEL protocol.

Multi-color 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 LXU01 with built-in ASTEL protocol.

Features

- Stainless-Steel Casing
- 36 Power LEDs Design
- Cool White, Warm White, Blue, Green and 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
- Low Power Consumption
- Simple Installation

RGB MULTI-COLOR **WGB** MULTI-COLOR **RGBW** MULTI-COLOR



Underwater Pool LED Lights

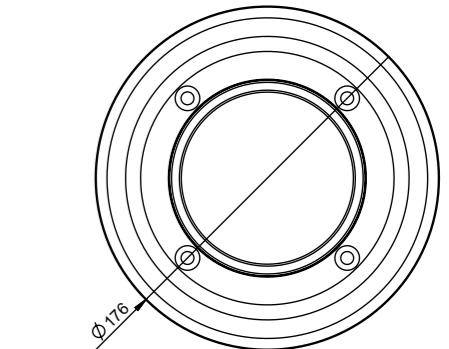
METEOR LS3600

Power supply
24 Vdc, max. 3.4 A
Beam angle
60° (standard) or 100° (wide)
Optical window
High-grade polycarbonate glass
Luminous flux
max. 8.30 lm (col. white)
Operating temperature
-10°C - +50°C
Casing
Stainless steel (SA16L)
Protection
IP 68
Dimensions
Ø 176 x 1 mm
Weight
2.3 kg



17

16



Color of lighting

W cool white
WW warm white
B blue
G green
M RGB multi-color
WM WGB multi-color
MW RGBW multi-color

Beam angle

— standard
D wide

METEOR

Modern compact flush-mount design. Single-color or Multi-color 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 LXU01 with built-in ASTEL protocol.

Features

- Stainless-Steel Casing
- 32 Power LEDs Design
- Cool White, Warm White, Blue, Green, Red, Multi-Color Lighting
- Tempered Glass Optical Window
- High-Efficiency Lens
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Low Power Consumption
- Simple Installation

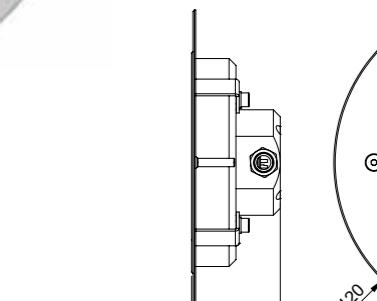
RGB
MULTI-COLOR

**METEOR XPLFR3210**

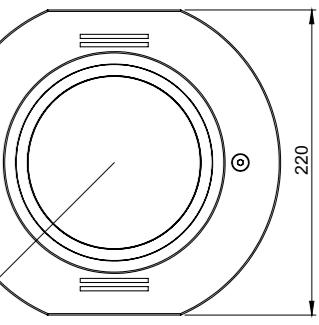
Power supply: 12-24Vdc, max. 1.6A/12Vdc or 4.8A/24Vdc
Beam angle: 3°(standard), 5°(wide), 1°(narrow)
Optical window: Tempered glass 8 mm
Luminous flux: max. 1000 lm (cool white)
Operating temperature: -10°C - +50°C
Casing: Stainless-steel 316L
Protection: IP68
Dimensions: Ø 240 x 20 x 6 mm
Weight: 1.3 kg

**METEOR XPLFR3215**

Power supply: 12-24Vdc, max. 1.6A/12Vdc or 4.8A/24Vdc
Beam angle: 28°(standard), 58°(wide), 12°(narrow)
Optical window: Tempered glass 8 mm
Luminous flux: max. 15000 lm (cool white)
Operating temperature: -10°C - +50°C
Casing: Stainless-steel 316L
Protection: IP68
Dimensions: Ø 240 x 20 x 6 mm
Weight: 1.3 kg

**Flood-Mount Accessory LSBX32**

Material: Stainless-steel 316L
Dimensions: 141 x 121 x 150 mm
Weight: 0.6 kg





M Villa Comporta Retreat
Portugal, Europe

PAR56 Adapter PAR56 Adapter LPAR56	Concrete Pool Niche LCFN1280 Concrete Pool Niche LCFN36240 Concrete Pool Niche LCPN0640EQ	Flush Fitting Adapter Flush Fitting Adapter LFFA0640 Flush Fitting Adapter LFFA1280 Flush Fitting Adapter LFFA36240 Flush Fitting Adapter LFFA12120
Surface Mount Niche Surface Mount Niche LSMN064 Surface Mount Niche LSMN0640EQ Surface Mount Niche LSMN1280 Surface Mount Niche LSMN36240 Surface Mount Niche LSMN36500	Liner Pool Niche Liner Pool Niche LLPN0640 Liner Pool Niche LLPN1280 Liner Pool Niche LLPN36240 Liner Pool Niche LLPN36500 Liner / Stainless Steel Pool Niche Accessory LLS0640 Liner / Stainless Steel Pool Niche Accessory LLS1280 Liner / Stainless Steel Pool Niche Accessory LLS36240 Liner Pool Niche Accessory LLR0640 Liner Pool Niche Accessory LLR1280 Liner Pool Niche Accessory LLR36240 Liner Pool Niche Accessory LLR36500	Basic Installation Adapter Basic Installation Adapter LBA12120
Surface Mount Right-Angle Niche Surface Mount Right-Angle Niche LRMN0640 Surface Mount Right-Angle Niche LRMN1280 Surface Mount Right-Angle Niche LRMN36240 Surface Mount Right-Angle Niche LRMN36500 Surface-Mount Right-Angle Niche Accessory LSB0640 Surface-Mount Right-Angle Niche Accessory LSB1280 Surface-Mount Right-Angle Niche Accessory LSB36240 Surface-Mount Right-Angle Niche Accessory LSB36500	Weld Mount Niche Weld Mount Niche LWMN0640 Weld Mount Niche LWMN1280 Weld Mount Niche LWMN36240 Weld Mount Niche LWMN36500	Large Niche Adapter Large Niche Adapter LNA0640 Large Niche Adapter LNA1280 Large Niche Adapter LNA36240
Concrete Pool Niche Concrete Pool Niche LCPN0640 Concrete Pool Niche LCPN1280 Concrete Pool Niche LCPN36240 Concrete Pool Niche LCFN0640	Gasket Gasket LSG0640 Gasket LSG1280 Gasket LSG36240	Small Niche Adapter Small Niche Adapter SNA0640 Small Niche Adapter SNA1280 Small Niche Adapter SNA36240
Inlet Fitting Adapter Inlet Fitting Adapter LIFA0640 Inlet Fitting Adapter LIFA1280 Inlet Fitting Adapter LIFA36240	O-Ring Set O-Ring Set LSO0640 O-Ring Set LSO1280 O-Ring Set LSO36240	Concrete Pool Niche Concrete Pool Niche LCPN0640 Concrete Pool Niche LCPN1280 Concrete Pool Niche LCPN36240 Concrete Pool Niche LCPN36500
Line Pool Niche Line Pool Niche LLGN0640 Line Pool Niche LLGN1280 Line Pool Niche LLGN36240 Line Pool Niche LLGN36500	Syncromization Unit Syncromization Unit SU08 PWM Inverter LD13 DIX512 Interface LX01 Converter Interface CL41	Accessories

PAR56 Adapter

Adapting of METEOR lights to different (existing) PAR56 niches.

Features

- For using with METEOR LSR0640, LSR1280, LSR36240 and LSR36500 series.
- Black UHMW-PE Body
- Stainless-Steel Screws and Flange
- Simple Installation

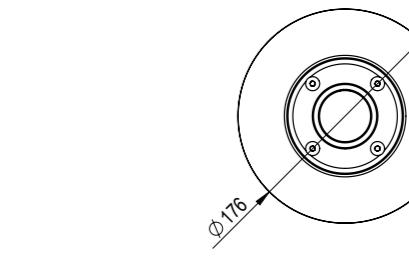


Mounting of METEOR LSR0640, LSR1280, LSR36240 and LSR36500 series to the standard PAR56 niche.

PAR56 Adapter LPAR560640

For METEOR LSR0640 series.

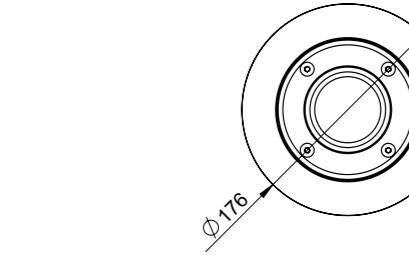
Material	UHMW-PE
Dimensions	$\varnothing 176 \times 56$ mm
Weight	0.95 kg



PAR56 Adapter LPAR561280

For METEOR LSR1280 series.

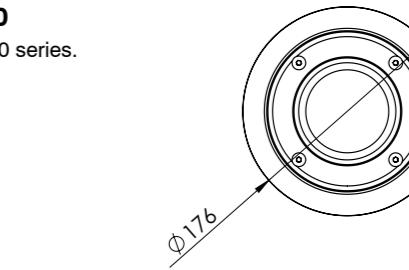
Material	UHMW-PE
Dimensions	$\varnothing 176 \times 60.5$ mm
Weight	0.85 kg



PAR56 Adapter LPAR5636240

For METEOR LSR36240 and LSR36500 series.

Material	UHMW-PE
Dimensions	$\varnothing 176 \times 56.5$ mm
Weight	0.75 kg

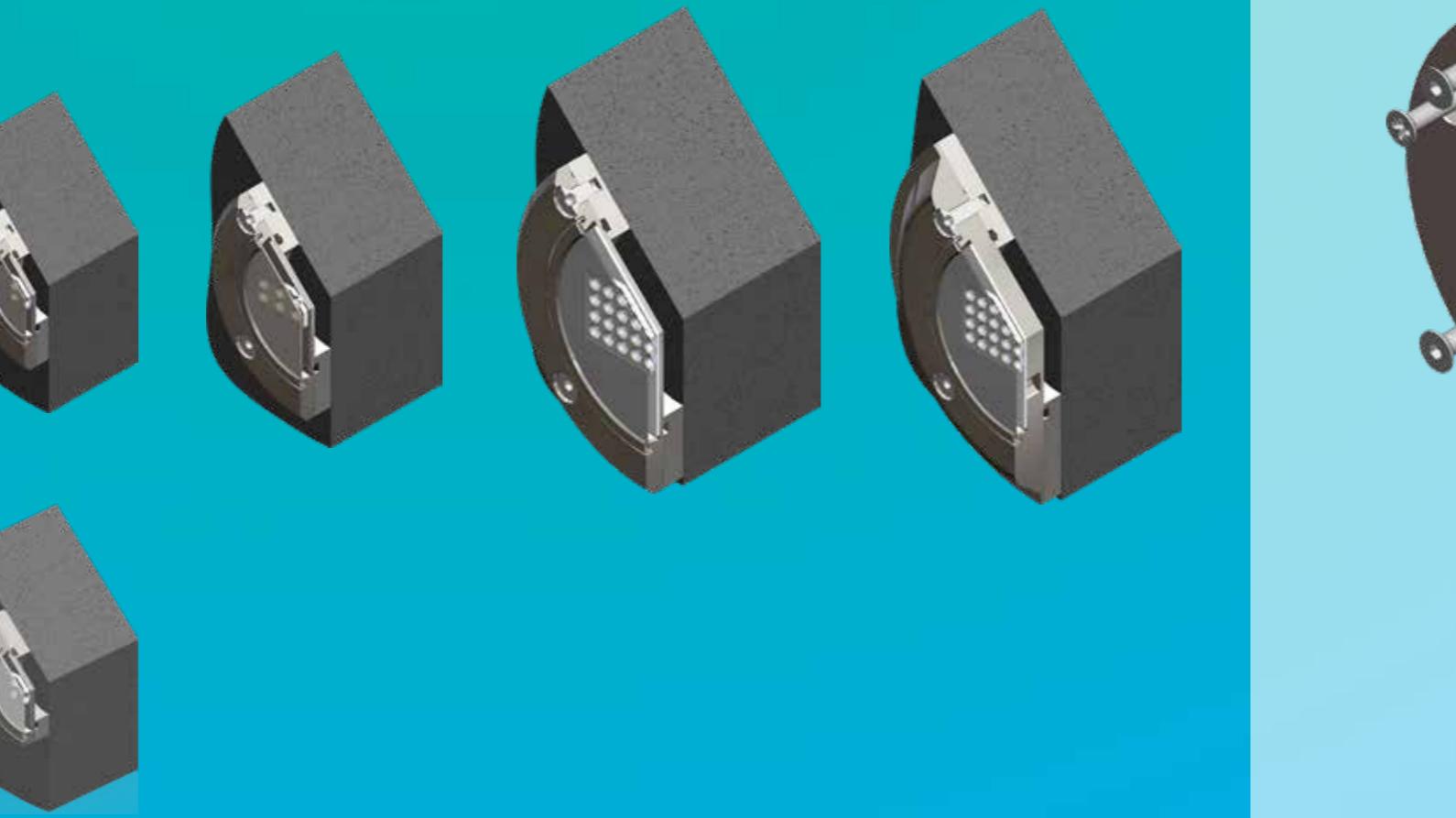


Surface Mount Niche

Surface-mount installation of METEOR lights.

Features

- For using with METEOR series
- Stainless-Steel body
- Stainless-Steel Screws
- Simple Installation



Surface-mount installation of METEOR series.

Surface Mount Niche LSMN0640

For METEOR LSR0640 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 99 \times 10$ mm
Weight	0.5 kg



Surface Mount Niche LSMN0640EQ

For METEOR LSR0640EQ series.

Material	Stainless steel (SAE316L)
Dimensions	99 x 69 x 10 mm
Weight	0.4 kg



Surface Mount Niche LSMN1280

For METEOR LSR1280 series.

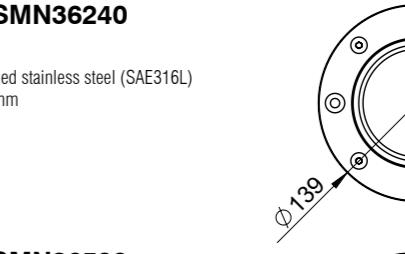
Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 119 \times 10$ mm
Weight	0.7 kg



Surface Mount Niche LSMN36240

For METEOR LSR36240 series.

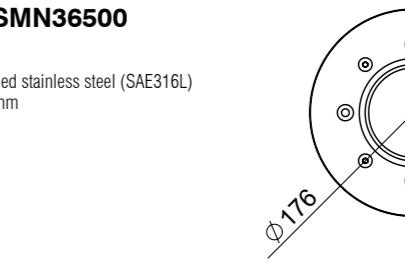
Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 139 \times 10$ mm
Weight	0.9 kg



Surface Mount Niche LSMN36500

For METEOR LSR36500 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 176 \times 10$ mm
Weight	1.7 kg



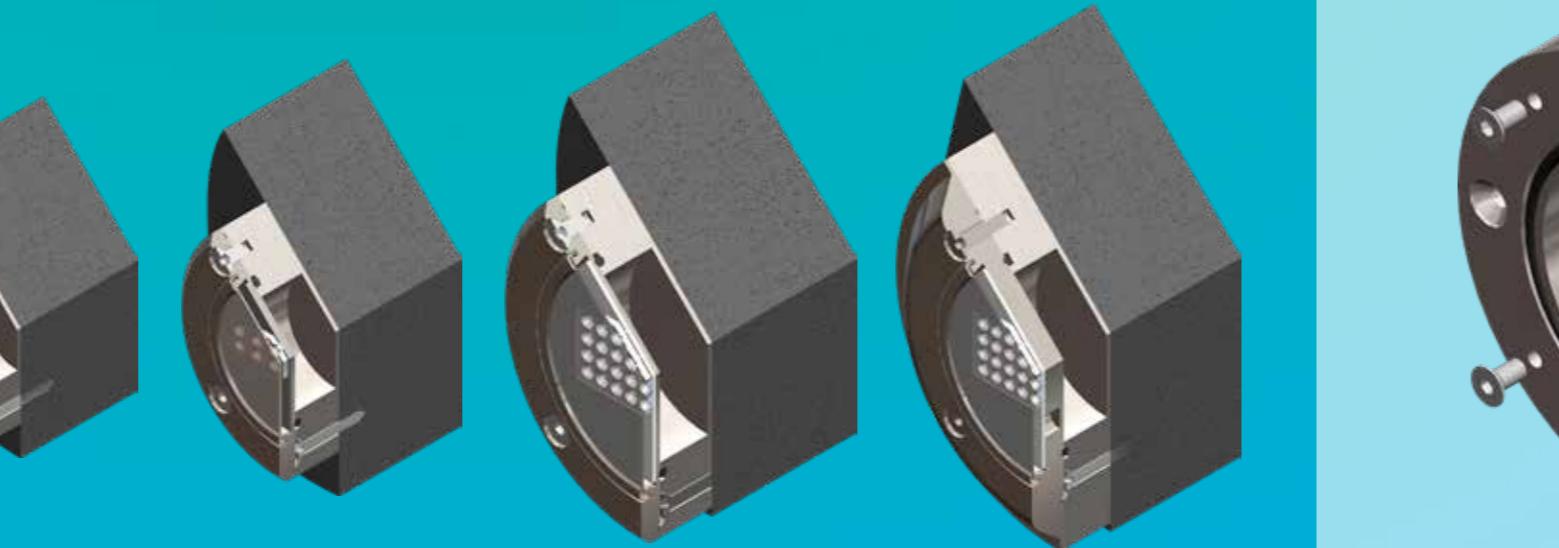
Surface-Mount Right-Angle Niche

Surface-mount right-angle cable installation of METEOR lights with lighting direction adjustment possibility.

Features

- For using with METEOR series
- Stainless-Steel body
- Stainless-Steel Screws
- PVDF Cable Gland
- Simple Installation

Surface-Mount Right-Angle Niche Accessory



Surface-mount right-angle cable installation of METEOR series.

Surface-Mount Right-Angle Niche LRMN0640

For METEOR LSR0640 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 99 \times 25$ mm
Weight	1.3 kg

Surface-Mount Right-Angle Niche Accessory LSB0640

Material	Electropolished stainless steel (SAE316L)
Dimensions	107 x 100 x 20 mm
Weight	0.3 kg

Surface-Mount Right-Angle Niche LRMN1280

For METEOR LSR1280 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 119 \times 25$ mm
Weight	1.8 kg

Surface-Mount Right-Angle Niche Accessory LSB1280

Material	Electropolished stainless steel (SAE316L)
Dimensions	117 x 120 x 20 mm
Weight	0.3 kg



LSB Accessory

Surface-Mount Right-Angle Niche LRMN36240

For METEOR LSR36240 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 139 \times 25$ mm
Weight	2.2 kg

Surface-Mount Right-Angle Niche Accessory LSB36240

Material	Stainless-steel (SAE316L)
Dimensions	132 x 140 x 25 mm
Weight	0.4 kg

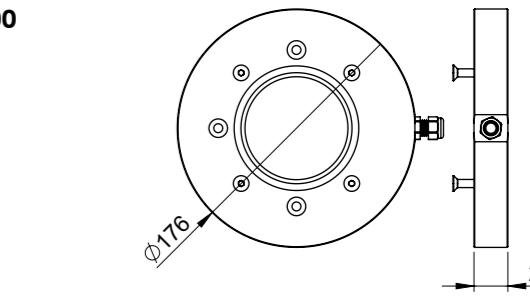
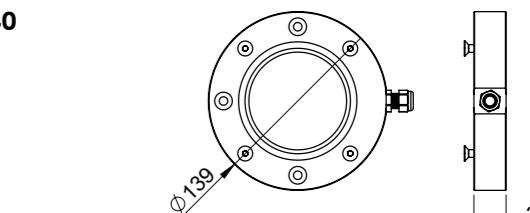
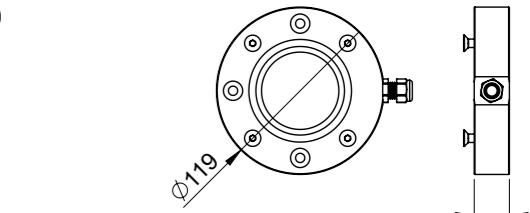
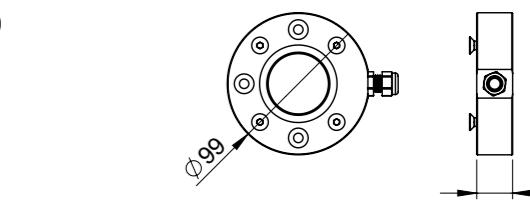
Surface-Mount Right-Angle Niche LRMN36500

For METEOR LSR36500 series.

Material	Electropolished stainless steel (SAE316L)
Dimensions	$\varnothing 176 \times 25$ mm
Weight	4.0 kg

Surface-Mount Right-Angle Niche Accessory LSB36500

Material	Stainless-steel (SAE316L)
Dimensions	155 x 176 x 30 mm
Weight	0.5 kg

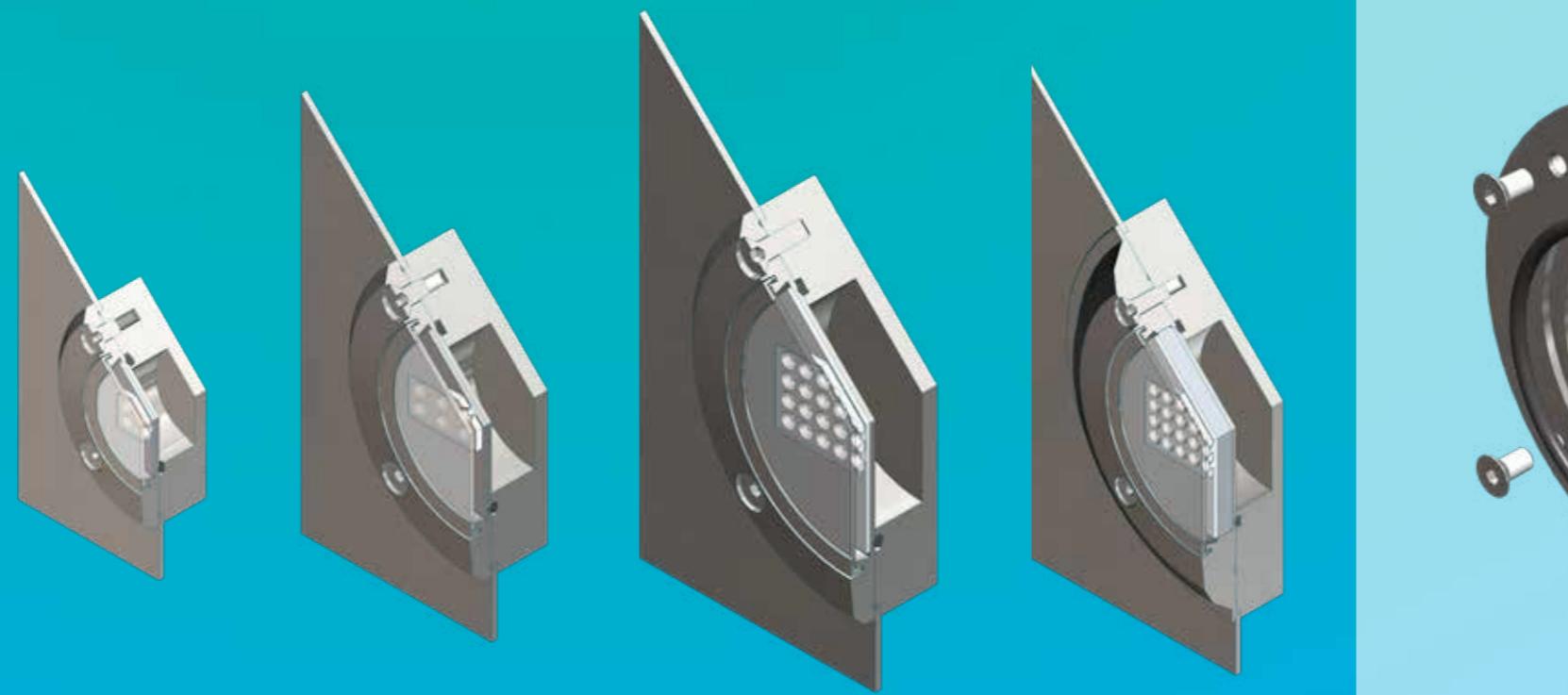


Weld Mount Niche

Weld-mount installation of METEOR series to stainless-steel pools.

Features

- For using with METEOR series
- Electropolished Stainless Steel Body
- Stainless-Steel Screws
- For Weld-mount Installation

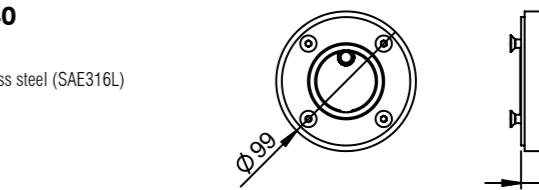


Installation of METEOR series to stainless-steel pools.

Weld Mount Niche LWMN0640

For METEOR LSR0640 series.

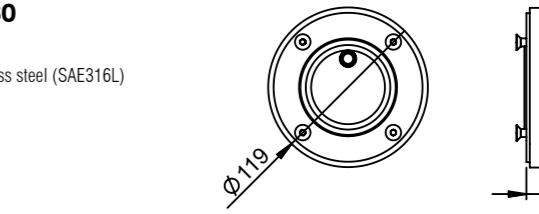
Material Electropolished stainless steel (SAE316L)
Dimensions Ø 99 x 25 mm
Weight 1.4 kg



Weld Mount Niche LWMN1280

For METEOR LSR1280 series.

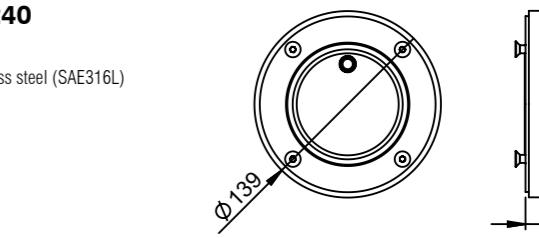
Material Electropolished stainless steel (SAE316L)
Dimensions Ø 119 x 25 mm
Weight 1.9 kg



Weld Mount Niche LWMN36240

For METEOR LSR36240 series.

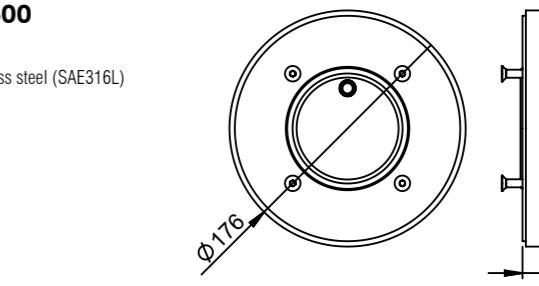
Material Electropolished stainless steel (SAE316L)
Dimensions Ø 139 x 25 mm
Weight 2.4 kg



Weld Mount Niche LWMN36500

For METEOR LSR36500 series.

Material Electropolished stainless steel (SAE316L)
Dimensions Ø 176 x 25 mm
Weight 4.2 kg

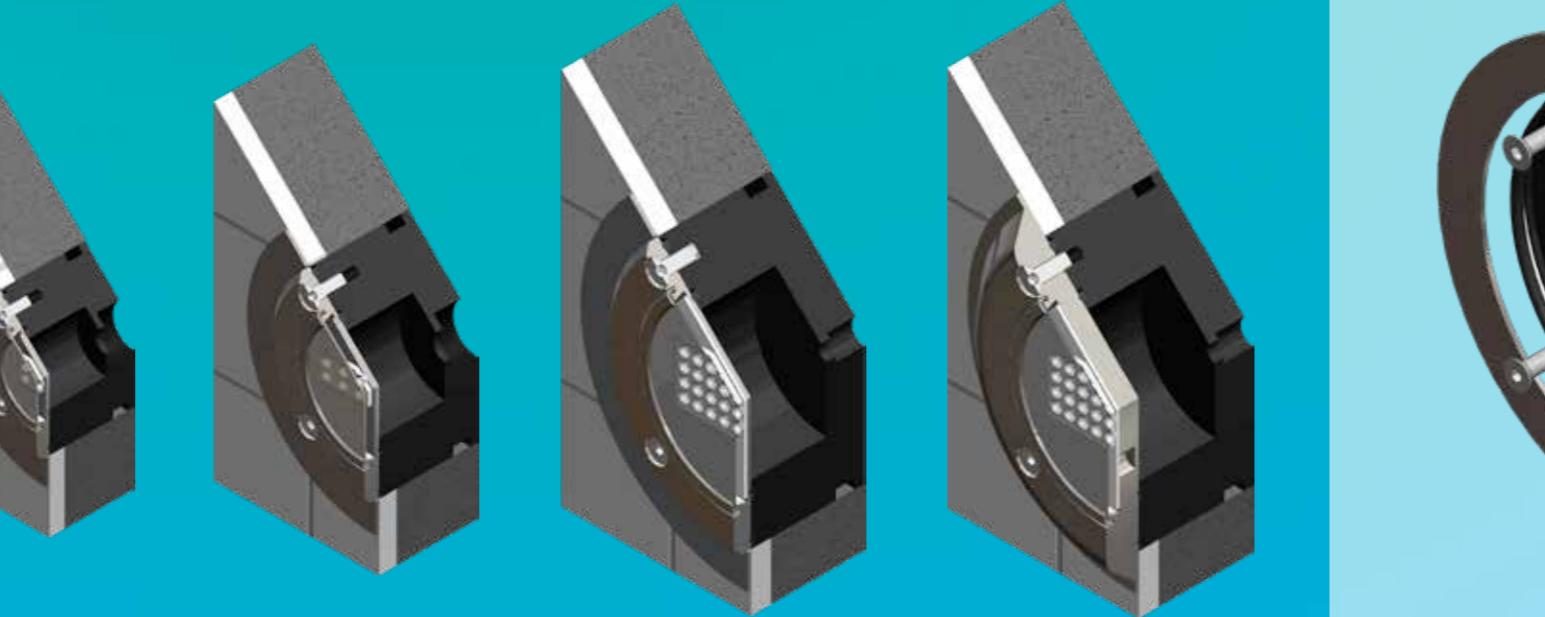


Concrete Pool Niche

Installation of METEOR lights to concrete pools with ceramic tile finish.

Features

- For using with METEOR series
- Black UHMW-PE Body
- Stainless-Steel Screws and Flange
- Simple Installation

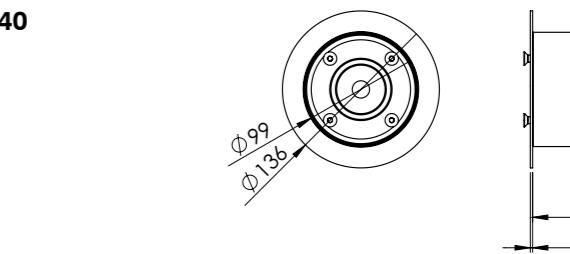


Installation of METEOR series to ceramic tile finish pools.

Concrete Pool Niche LCPN0640

For METEOR LSR0640 series.

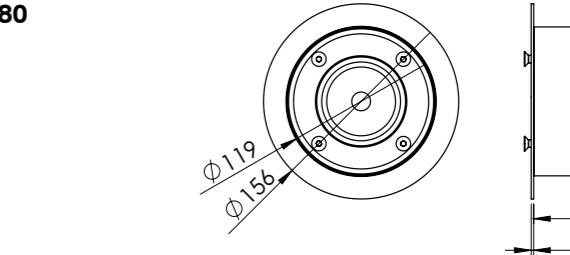
Material UHMW-PE
Dimensions Ø 99 x 60 mm
Weight 0.5 kg



Concrete Pool Niche LCPN1280

For METEOR LSR1280 series.

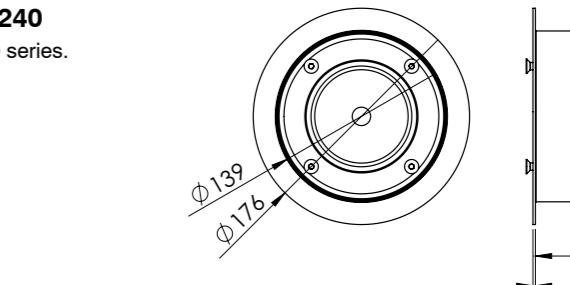
Material UHMW-PE
Dimensions Ø 119 x 60 mm
Weight 0.7 kg



Concrete Pool Niche LCPN36240

For METEOR LSR36240 and LSR36500 series.

Material UHMW-PE
Dimensions Ø 139 x 60 mm
Weight 0.9 kg

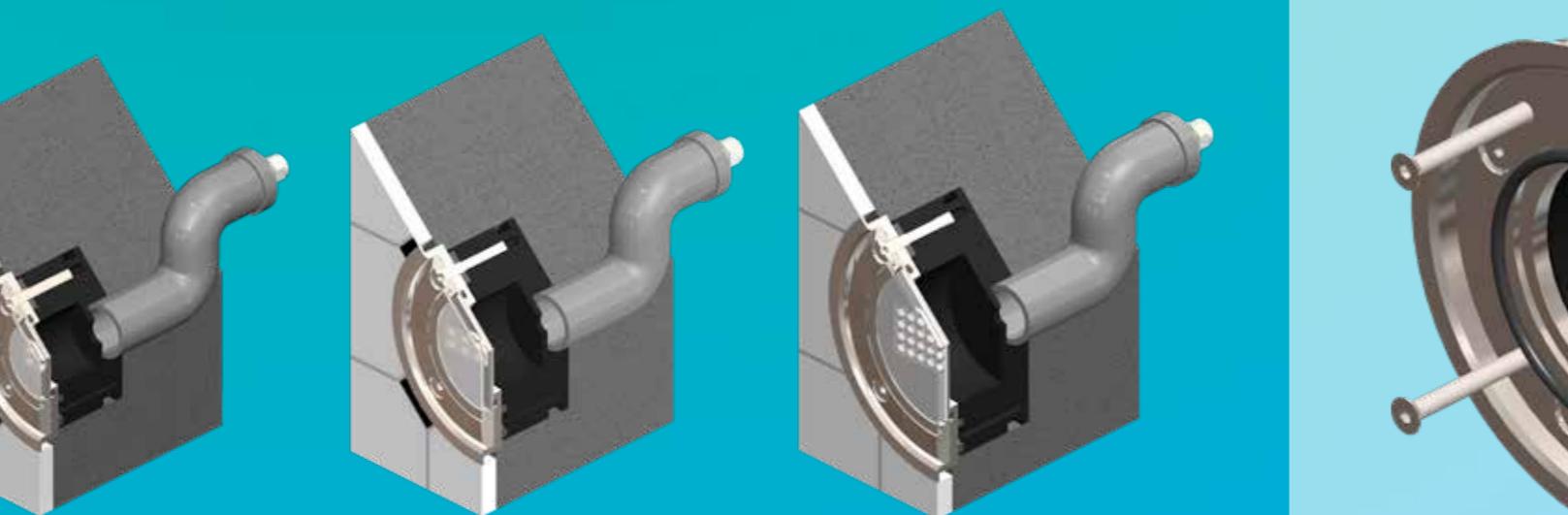


Concrete Pool Niche

Installation of METEOR lights to concrete pools with ceramic tile finish aligned with wall surface.

Features

- For using with METEOR series
- Black UHMW-PE Body
- Electropolished Stainless Steel Flush-Mount Front Lid
- Stainless Steel Screws
- Simple Installation

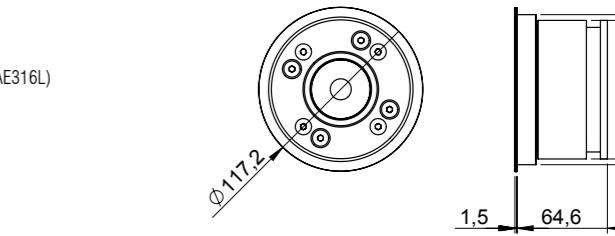


Installation of METEOR series to concrete pools with ceramic tile finish aligned with wall surface.

Concrete Pool Niche LCFN0640

For METEOR LSR0640 series.

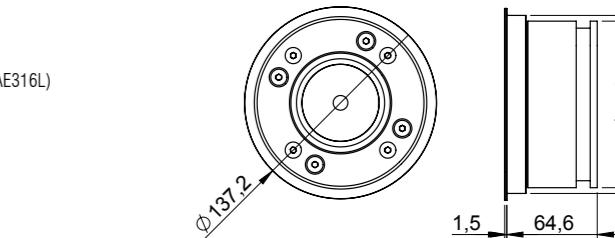
Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 117.2 x 66.1 mm
Weight 0.8 kg



Concrete Pool Niche LCFN1280

For METEOR LSR1280 series.

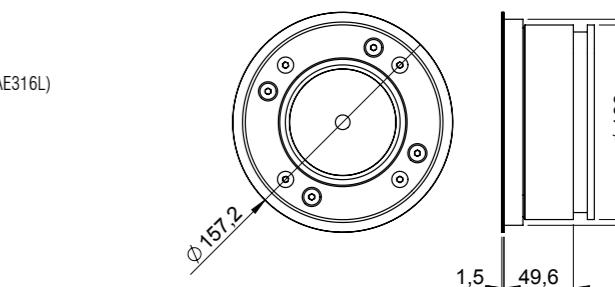
Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 137.2 x 66.1 mm
Weight 1.1 kg



Concrete Pool Niche LCFN36240

For METEOR LSR36240 series.

Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 157.2 x 66.1 mm
Weight 1.3 kg

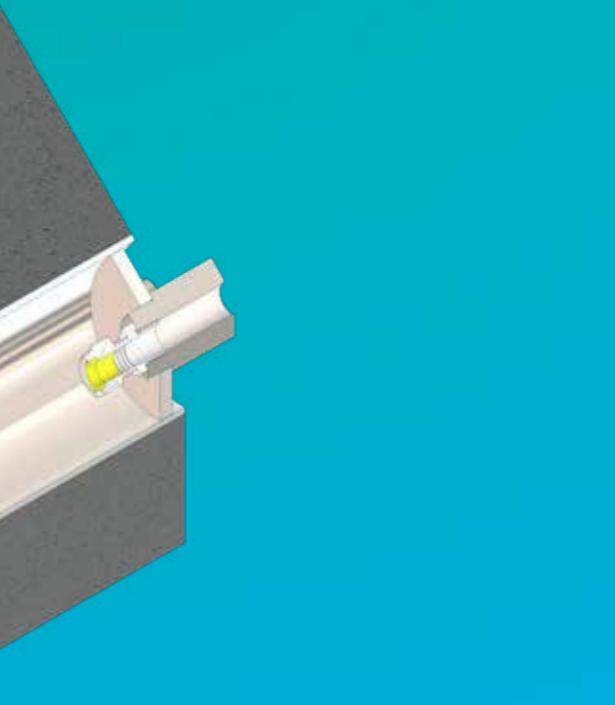


Concrete Pool Niche

Installation of METEOR EQ series to concrete pools with ceramic tiles finish.

Features

- For using with METEOR LSR0640EQ series
- Electropolished Stainless Steel Body
- Stainless-Steel Screws
- For Flush-mount Installation

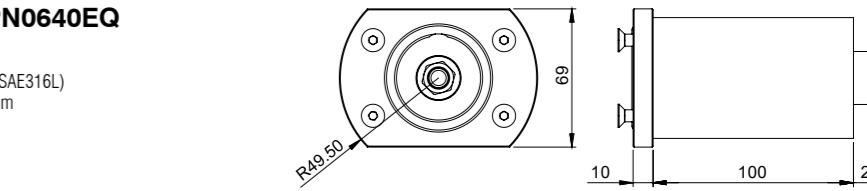


ETEOR EQ series to concrete pools with ceramic tiles finish.

Concrete Pool Niche LC

For METEOR LSR0640EQ series

Material Stainless steel
Dimensions 99 x 69 x 100 mm
Weight 1 kg



Liner Pool Niche

Installation of METEOR lights to polyester or liner/concrete pools.

Features

- For using with METEOR series
- Black UHMW-PE Body
- Stainless-Steel Screws and Flange
- Simple Installation

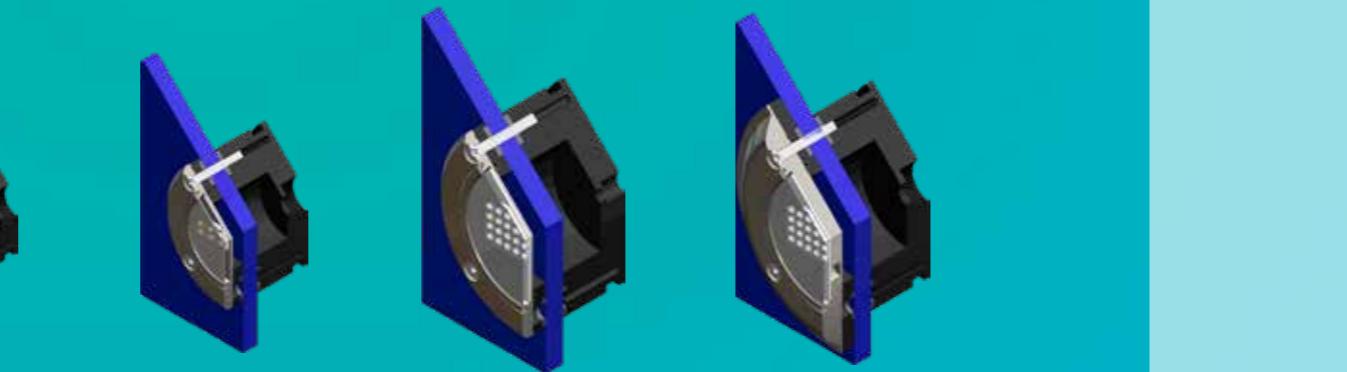
Liner / Stainless-Steel Pool Niche Accessory

Liner Pool Niche Accessory

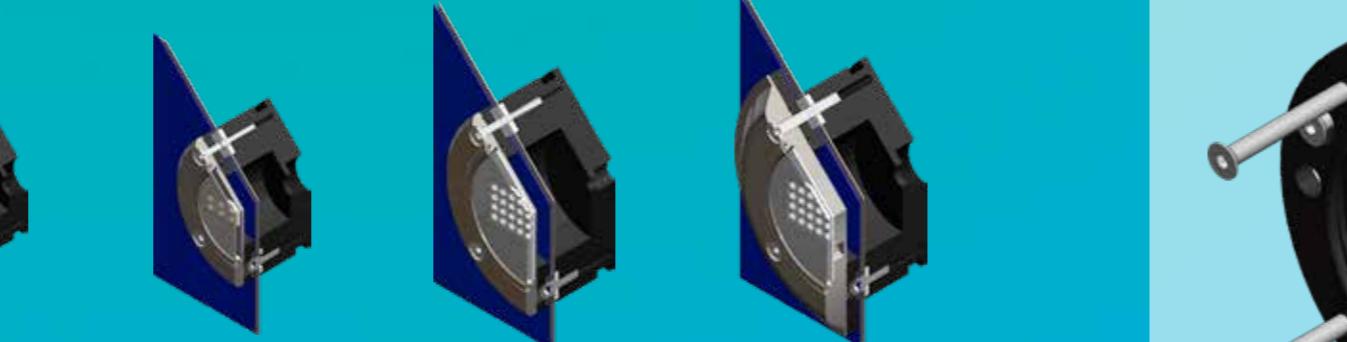
Accessories of LLPN niche series for installation of METEOR lights to liner and liner/stainless-steel pools.

Features

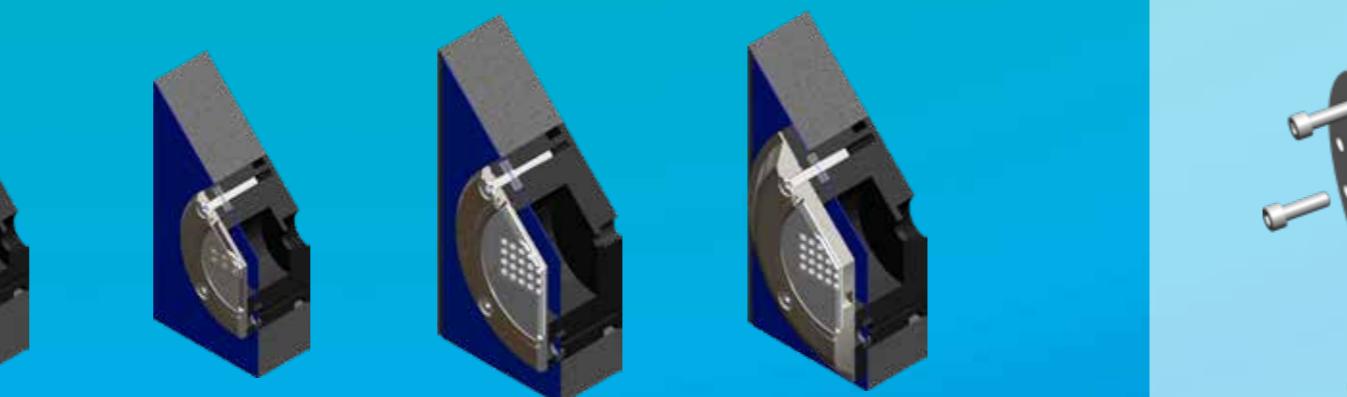
- For using with Liner Pool Niche LLPN series
- Elastomer and Electropolished Stainless-Steel Body
- Stainless-Steel Screws
- Simple Installation



Installation of METEOR series to polyester pools.



Installation of METEOR series to liner/stainless-steel pools.



Installation of METEOR series to liner/concrete pools.



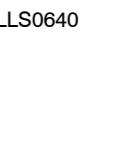
Liner Pool Niche LLPN0640

For METEOR LSR0640 series.

Material	UHMW-PE
Dimensions	Ø 99 x 60 mm
Weight	0.5 kg

Liner / Stainless-Steel Pool Niche Accessory LS 0640

Material	Elastomer NBR 65 Sh
Dimensions	Ø 99 x 4 mm
Weight	0.1 kg



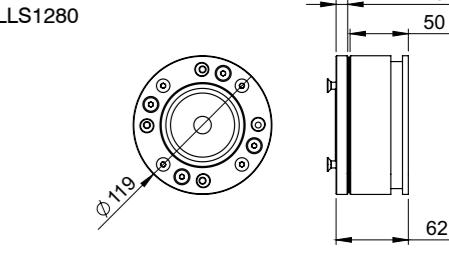
Liner Pool Niche LLPN1280

For METEOR LSR1280 series.

Material	UHMW-PE
Dimensions	Ø 119 x 60 mm
Weight	0.7 k

Liner / Stainless-Steel Pool Niche Accessory LS 1280

Material	Elastomer NBR 65 Sh
Dimensions	Ø 119 x 4 mm
Weight	0.1 kg



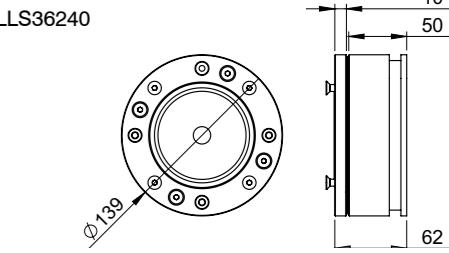
Liner Pool Niche LLPN36240

For METEOR LSR36240 series.

Material	UHMW-PE
Dimensions	Ø 139 x 60 mm
Weight	0.9 kg

Liner / Stainless-Steel Pool Niche Accessory LS 36240

Material	Elastomer NBR 65 Sh
Dimensions	Ø 139 x 4 mm
Weight	0.1 kg



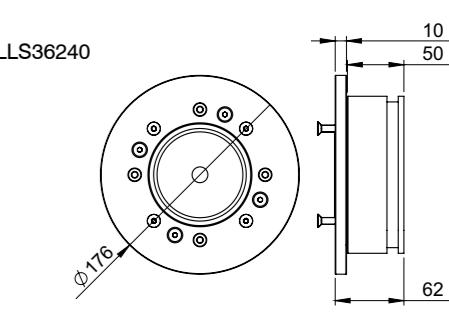
Liner Pool Niche LLPN36500

For METEOR LSR36500 series.

Material	UHMW-PE
Dimensions	Ø 176 x 60 mm
Weight	1.0 kg

Liner / Stainless-Steel Pool Niche Accessory LS 36500

Material	Elastomer NBR 65 Sh
Dimensions	Ø 176 x 4 mm
Weight	0.1 kg



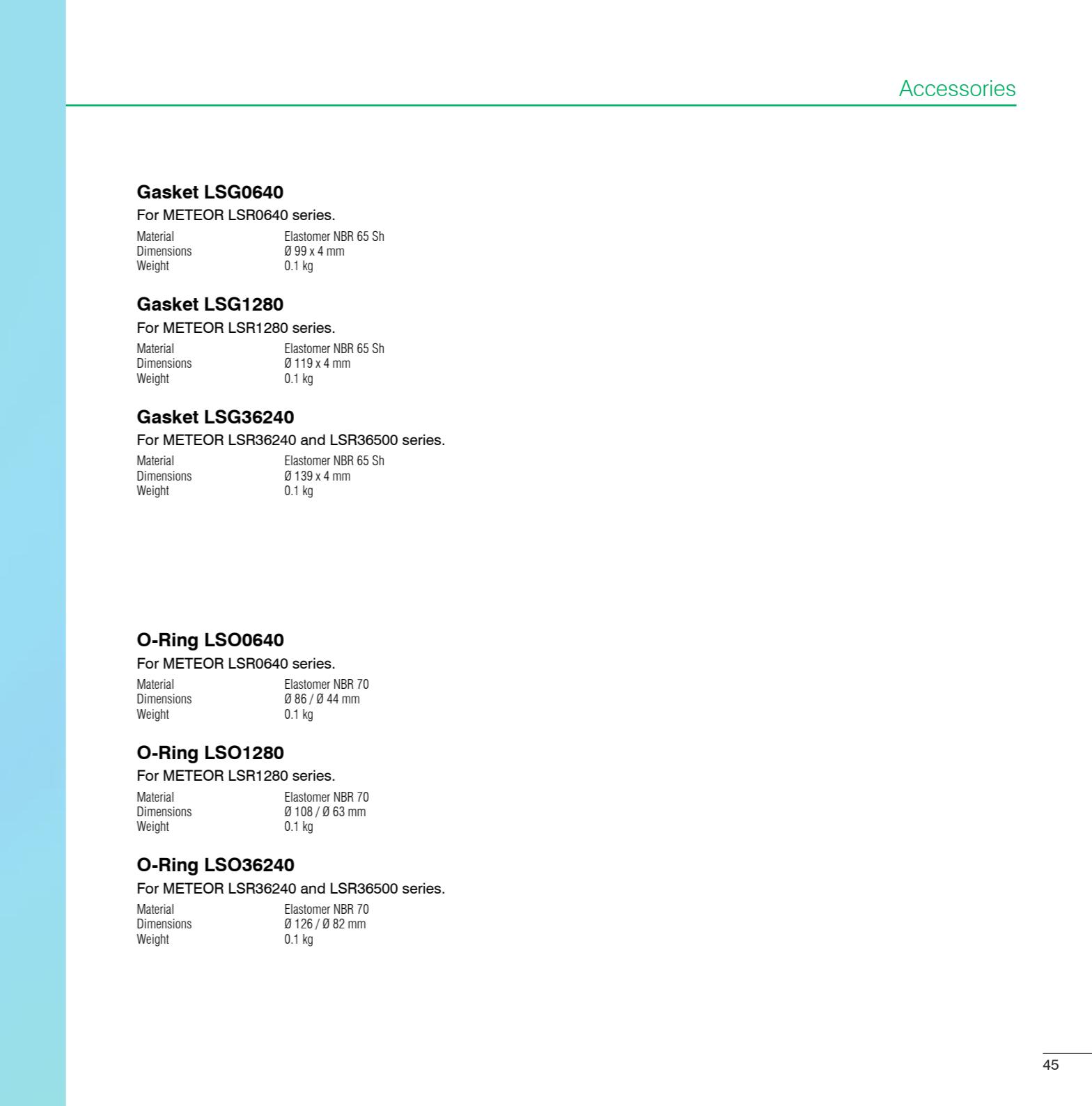
Gasket

O-Ring

Surface-mount installation of single-color or multi-color RGB lights.

Features

- For using with METEOR series
- Simple Installation



Gasket LSG0640

For METEOR LSR0640 series.

Material	Elastomer NBR 65 Sh
Dimensions	$\varnothing 99 \times 4$ mm
Weight	0.1 kg

Gasket LSG1280

For METEOR LSR1280 series.

Material	Elastomer NBR 65 Sh
Dimensions	$\varnothing 119 \times 4$ mm
Weight	0.1 kg

Gasket LSG36240

For METEOR LSR36240 and LSR36500 series.

Material	Elastomer NBR 65 Sh
Dimensions	$\varnothing 139 \times 4$ mm
Weight	0.1 kg

O-Ring LSO0640

For METEOR LSR0640 series.

Material	Elastomer NBR 70
Dimensions	$\varnothing 86 / \varnothing 44$ mm
Weight	0.1 kg

O-Ring LSO1280

For METEOR LSR1280 series.

Material	Elastomer NBR 70
Dimensions	$\varnothing 108 / \varnothing 63$ mm
Weight	0.1 kg

O-Ring LSO36240

For METEOR LSR36240 and LSR36500 series.

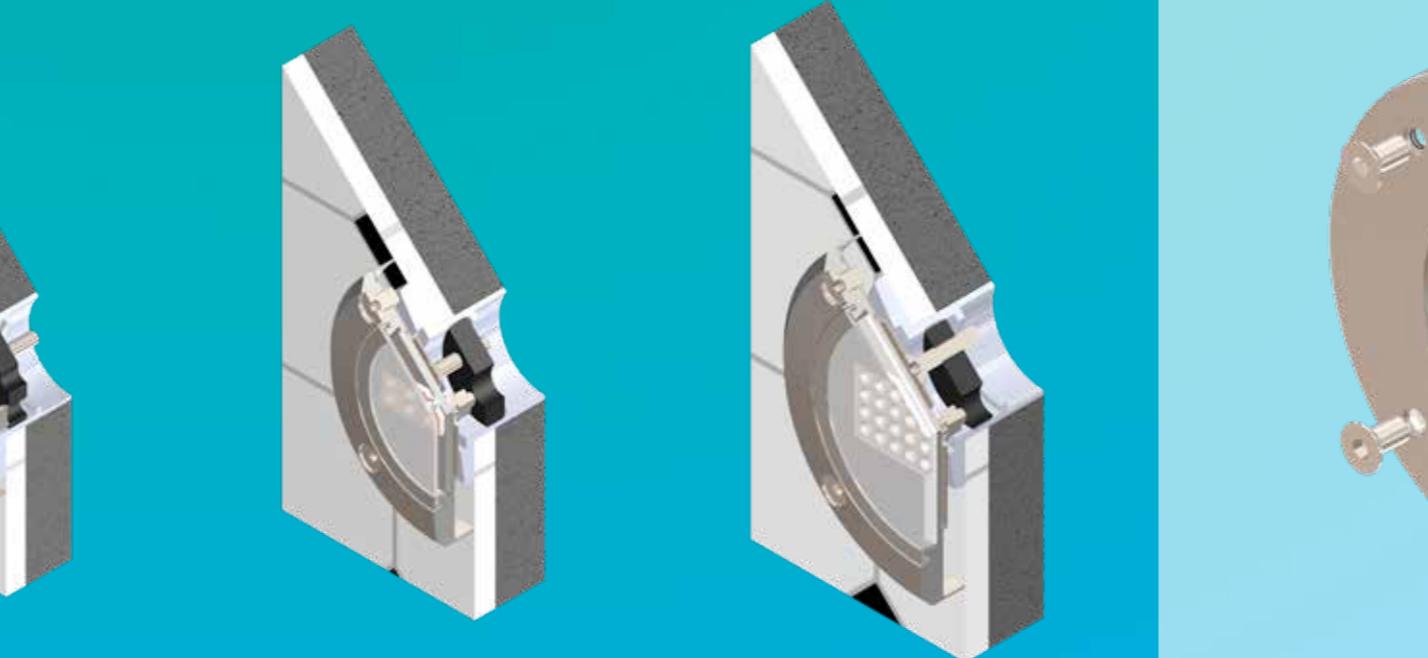
Material	Elastomer NBR 70
Dimensions	$\varnothing 126 / \varnothing 82$ mm
Weight	0.1 kg

Inlet Fitting Adapter

Installation of METEOR series into standard pool wall inlets.

Features

- For using with METEOR series
- Electropolished Stainless Steel Cover
- Black UHMW-PE Insert
- Stainless-Steel Screws
- Simple Installation

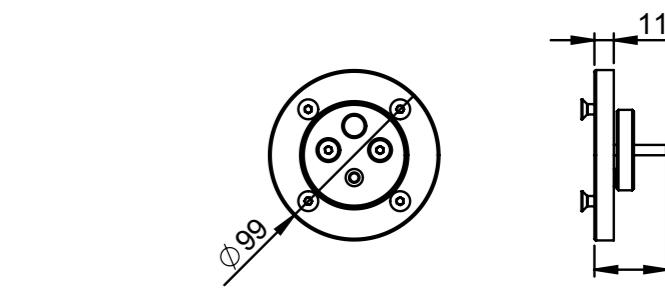


Installation of METEOR series to the pool wall inlets.

Inlet Fitting Adapter LIFA0640

For METEOR LSR0640 series.

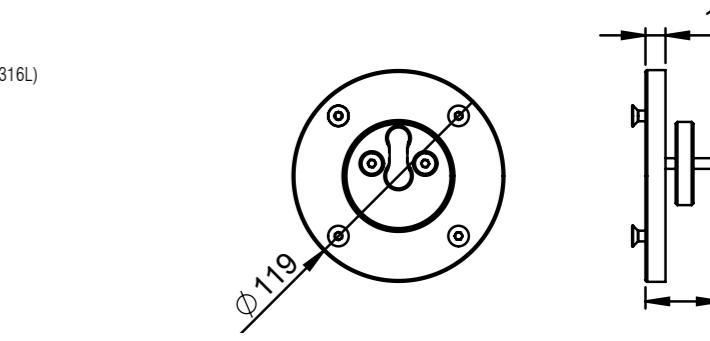
Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 99 x 43 mm
Weight 120 g



Inlet Fitting Adapter LIFA1280

For METEOR LSR1280 series.

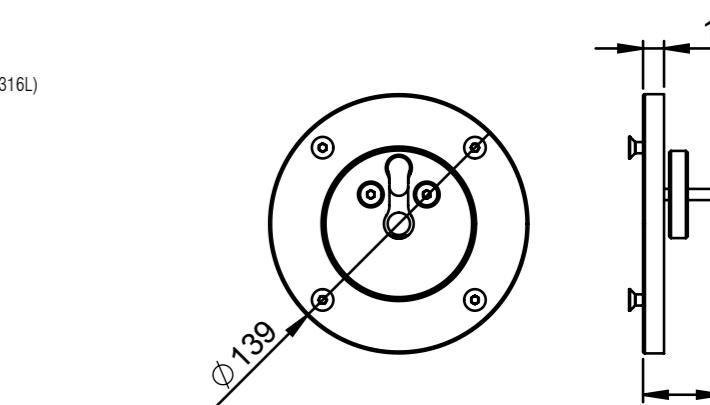
Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 119 x 43 mm
Weight 150 g



Inlet Fitting Adapter LIFA36240

For METEOR LSR36240 series.

Material UHMW-PE / Stainless steel (SAE316L)
Dimensions Ø 139 x 43 mm
Weight 185 g

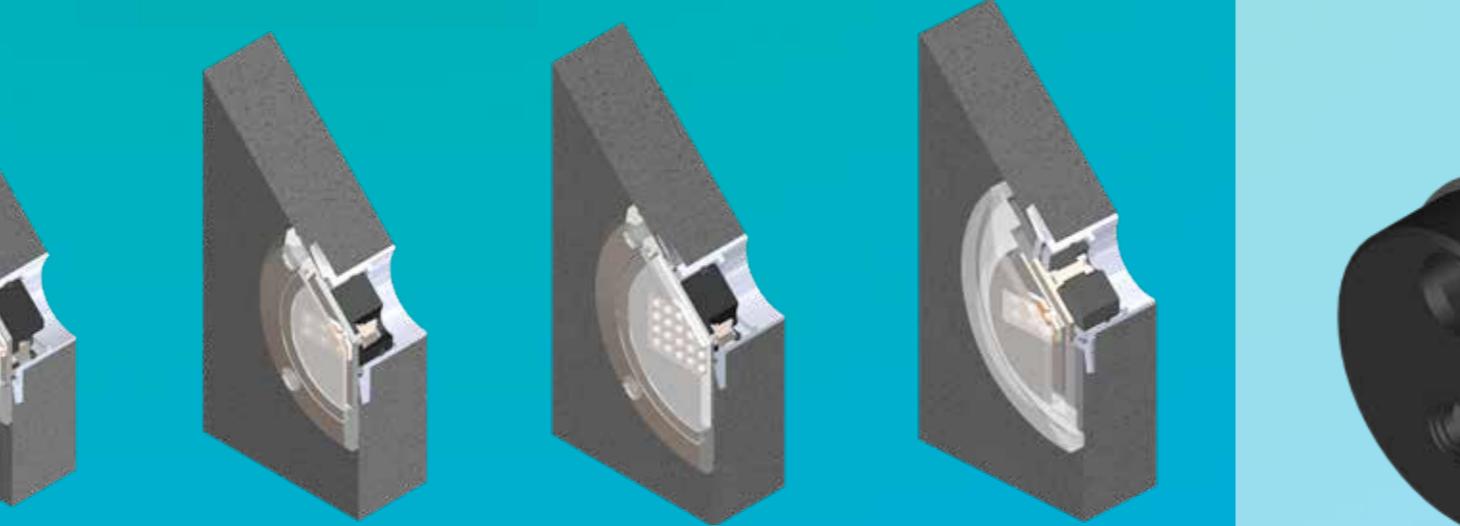


Flush Fitting Adapter

Installation of METEOR and QUASAR series into the standard pool wall inlets.

Features

- For using with METEOR and QUASAR series
- Black UHMW-PE Insert incl. O-ring
- Simple Installation

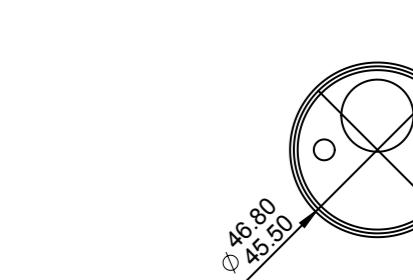
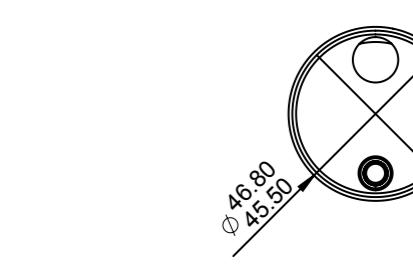
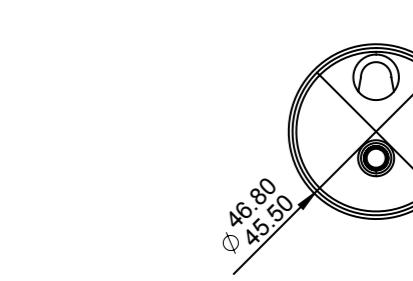
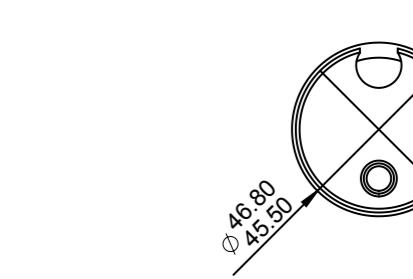


Installation of (adapted) METEOR and QUASAR series to the pool wall inlets.

Flush Fitting Adapter LFFA0640

For METEOR LSR0640 series.

Material UHMW-PE
Dimensions Ø 46.8 x 22 mm
Weight 40 g



Flush Fitting Adapter LFFA36240

For METEOR LSR36240 series.

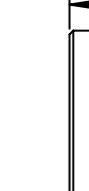
Material UHMW-PE
Dimensions Ø 46.8 x 22 mm
Weight 40 g



Flush Fitting Adapter LFFA12120

For QUASAR LSR12120 series.

Material UHMW-PE
Dimensions Ø 46.8 x 22 mm
Weight 40 g

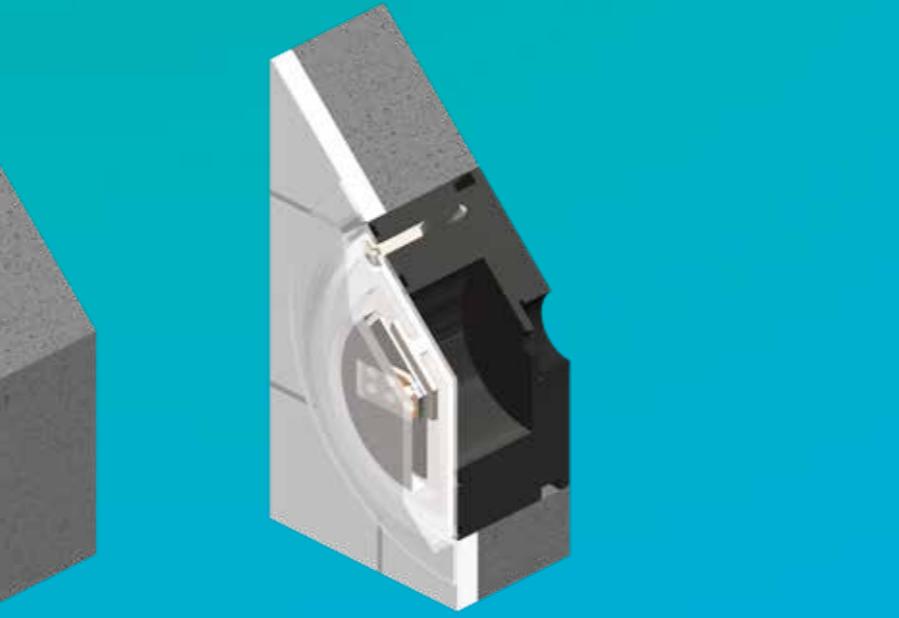


Basic Installation Adapter

Installation of QUASAR series by using the niches 36240 series and for surface-mount installation.

Features

- For using with QUASAR 12120 series
- Translucent Silicone Body
- PC Fixing Plate
- Plastic Screws



Installation of QUASAR series to the pool wall or niches.

Basic Installation Adapter LQBA12120

For QUASAR LSR12120 series.

Material

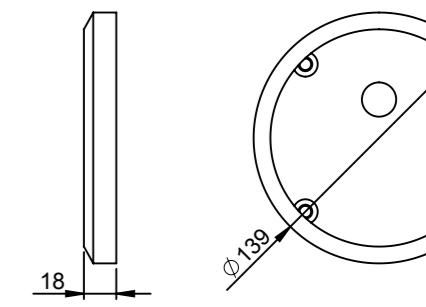
Translucent silicone

Dimensions

$\varnothing 139 \times 18$ mm

Weight

0.1 kg



Large Niche Adapter

The Large Niche Adapter LLNA is designed for installation of the METEOR series of underwater pool lights into the standard large pool niches. The stainless steel shaped cover together with stainless steel screws enable reliable and aesthetical installation.

Features

For using with METEOR series
Electroplished Stainless Steel Cover
Stainless Steel Screws
Simple Installation

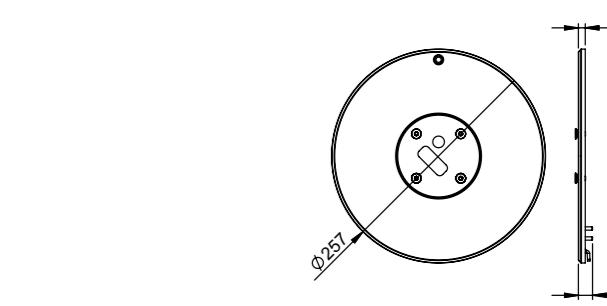


STEOR series into the standard Large Niche.

Large Niche Adapter LL

For METEOR L SB0640 series

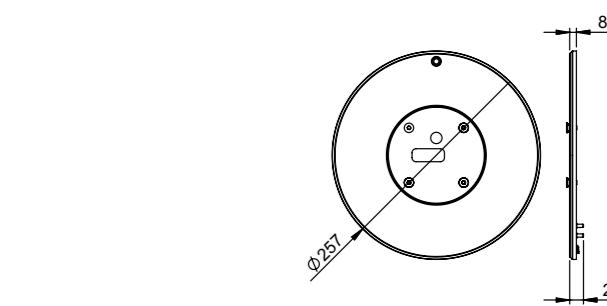
Material	Stainless steel
Dimensions	Ø 257 x 21 mm
Weight	0.5kg



Large Niche Adapter LL

For METEOR LSR1280 ser

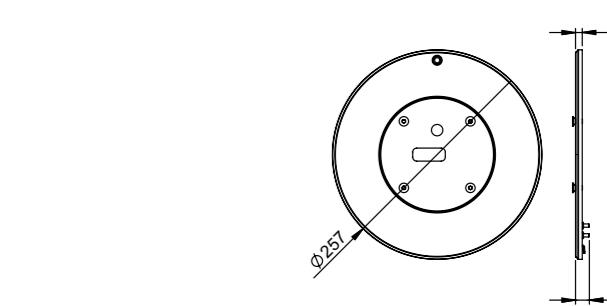
Material	Stainless steel
Dimensions	Ø 257 x 21 mm
Weight	0.5kg



Large Niche Adapter LL

For METEOR LSR36240 see

Material	Stainless steel
Dimensions	Ø 257 x 21 mm
Weight	0.5kg



Small Niche Adapter

The Small Niche Adapter LSNA is designed for installation of the METEOR series of underwater pool lights into the standard small pool niches. The stainless steel shaped cover together with stainless steel screws enable reliable and aesthetical installation.

Features

For using with METEOR series
Electroplished Stainless Steel Cover
Stainless Steel Screws
Simple Installation



ETEOR series into the standard Small Niche.

Small Niche Adapter LS

For METEOR I SB0640 see

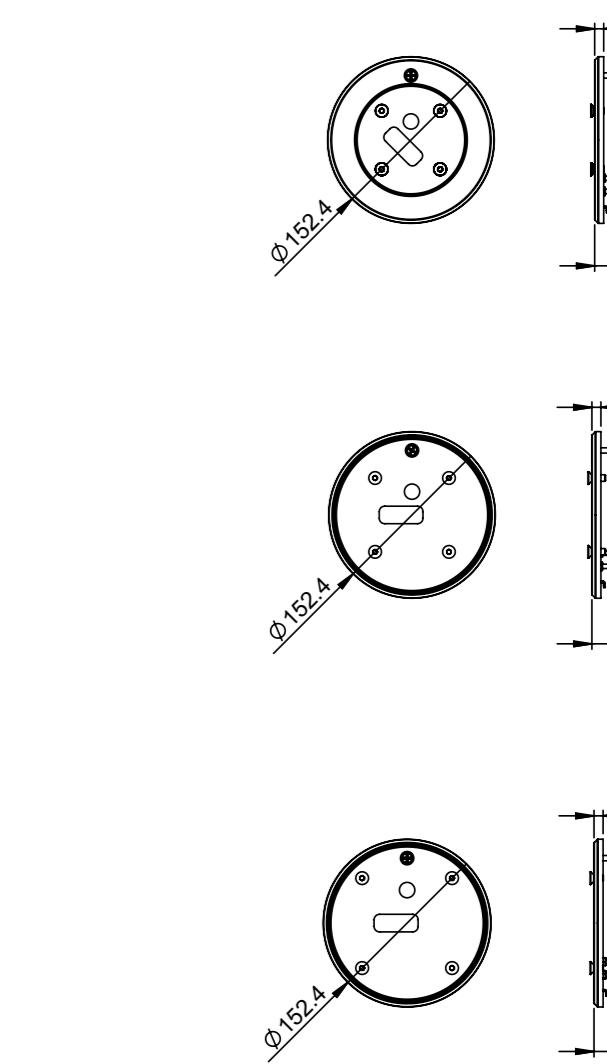
TOP METEOR ECH10040 Series



Small Niche Adapter LS

For METEOR LSR1280 see

Material	Stainless steel
Dimensions	Ø153 x 21 mm
Weight	0.3 kg

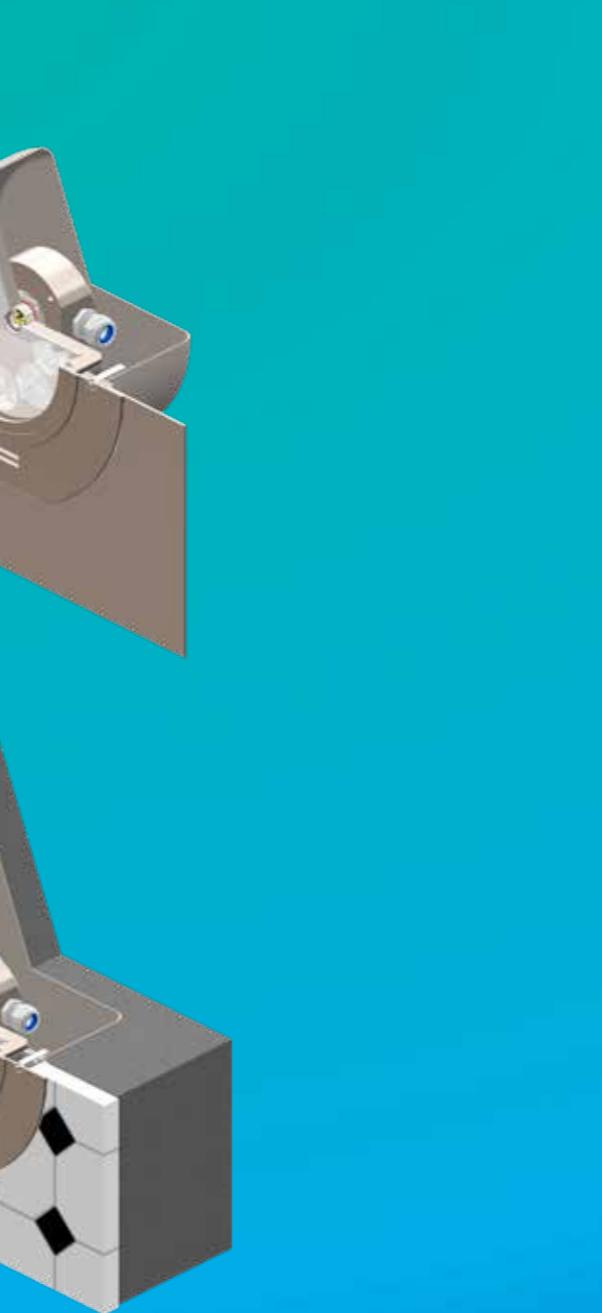


Concrete Pool Niche

Installation of METEOR XP lights to stainless-steel or concrete pools with ceramic tile finish.

Features

- For using with METEOR XP series
- Electropolished Stainless-Steel Body

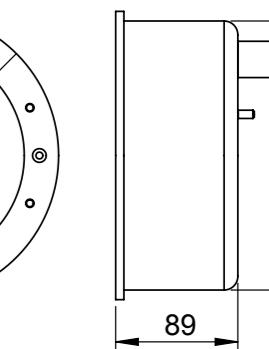
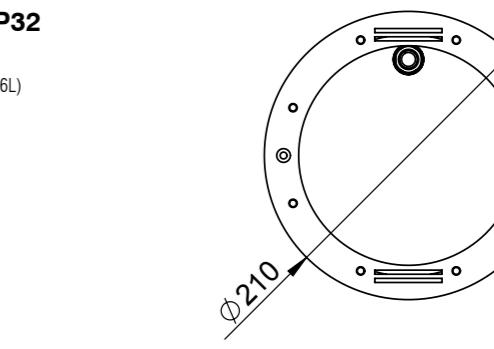


Installation of METEOR XP series to concrete pools with ceramic tiles finish.

Concrete Pool Niche LCPNXP32

For METEOR XP series.

Material: Stainless-steel (SAE316L)
Dimensions: Ø 210 x 89 mm
Weight: 2.0 kg

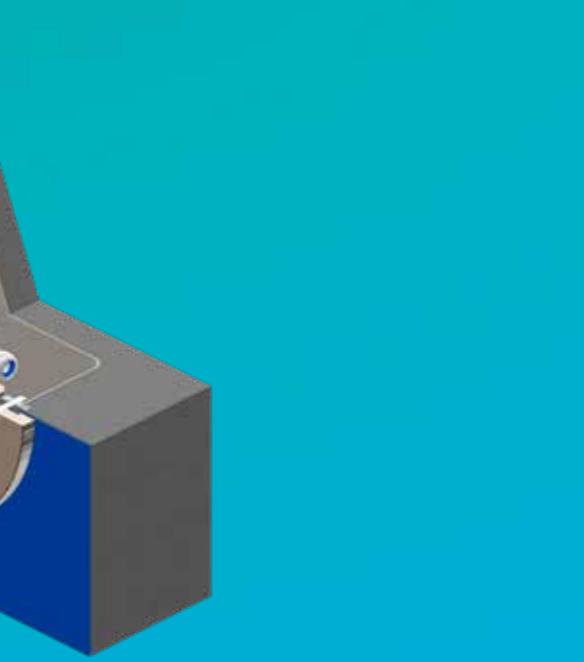


Liner Pool Niche

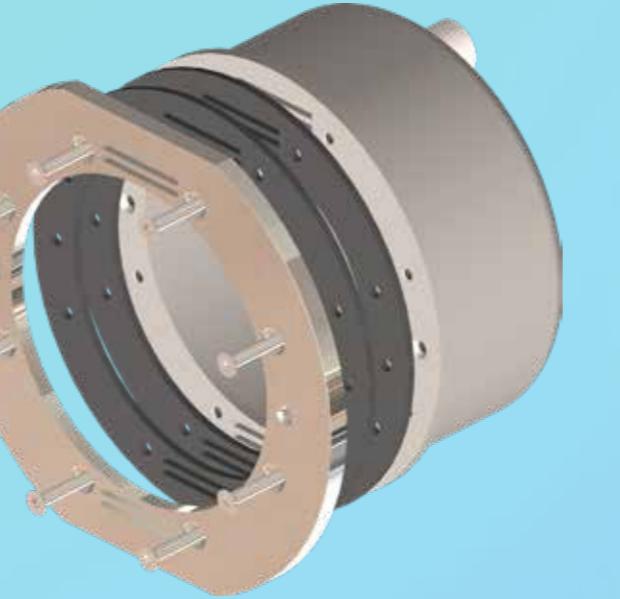
Installation of METEOR XP lights to liner/concrete pools.

Features

- For using with METEOR XP series
- Electropolished Stainless-Steel Body
- Electropolished Stainless-Steel Flange and Screws
- Elastomer Gaskets



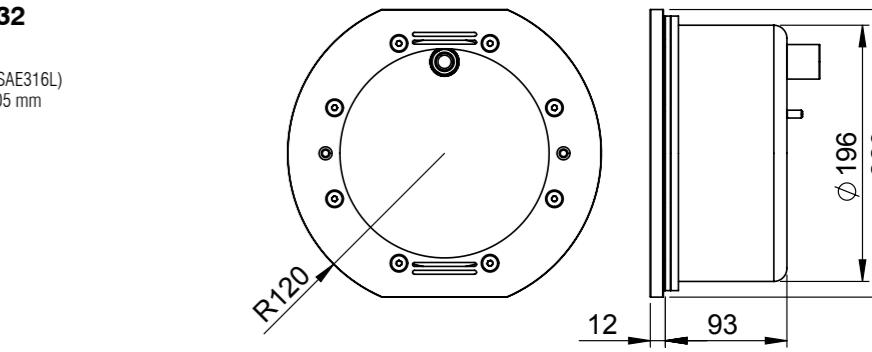
Installation of METEOR XP series to liner/concrete pools.



Liner Pool Niche LLPNXP32

For METEOR XP series.

Material: Stainless-steel (SAE316L)
Dimensions: Ø 240 x 220 x 105 mm
Weight: 3.7 kg

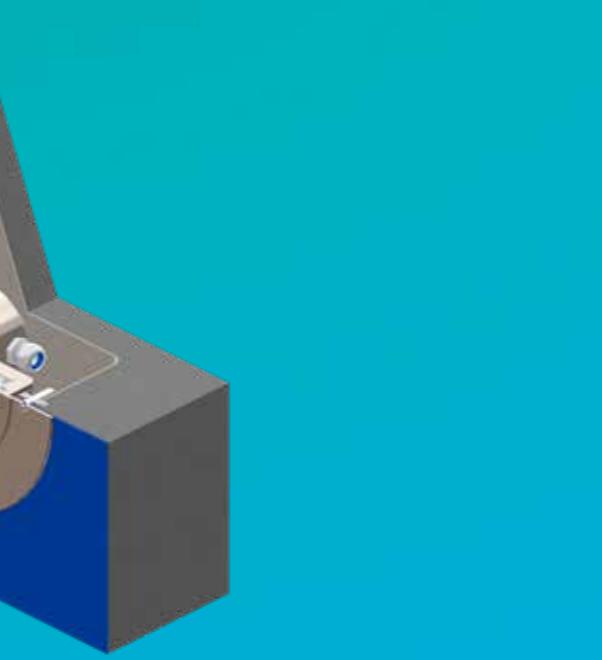


Liner Pool Niche

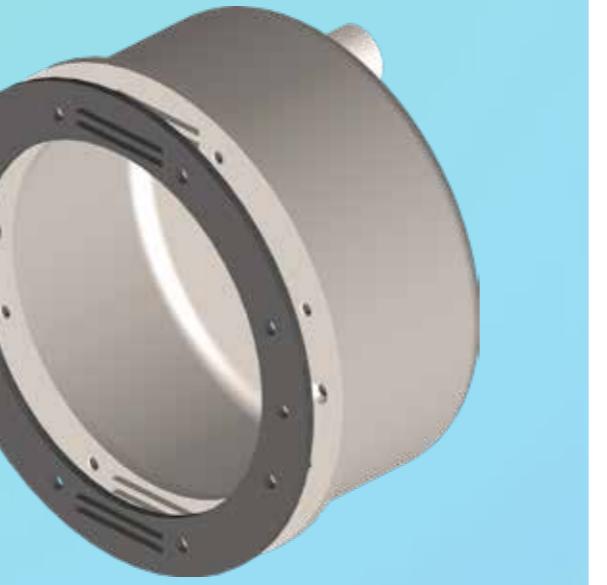
Installation of METEOR XP lights to liner/concrete pools.

Features

- For using with METEOR XP series
- Electropolished Stainless-Steel Body
- Elastomer Gasket



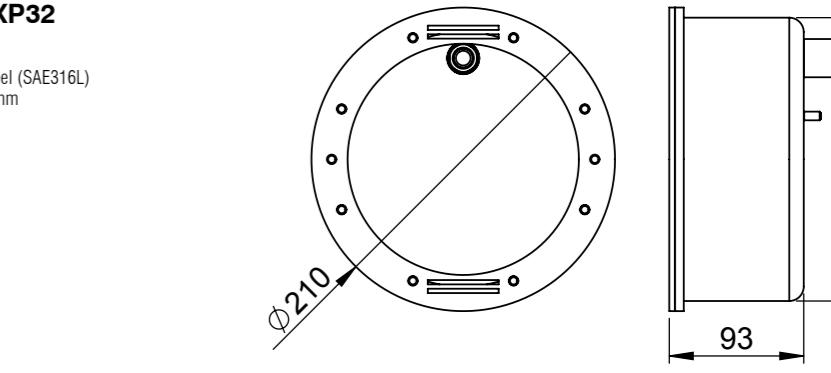
Installation of METEOR XP series to liner/concrete pools.



Liner Pool Niche LLGNXP32

For METEOR XP series.

Material: Stainless-steel (SAE316L)
Dimensions: Ø 210 x 93 mm
Weight: 2.1 kg



Synchronization Unit

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.

Features

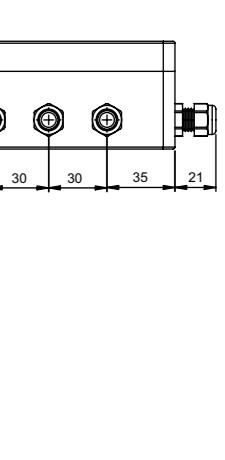
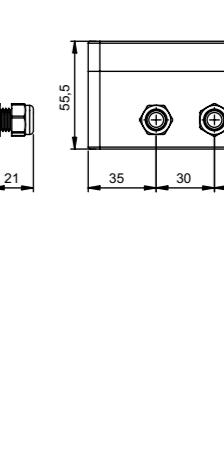
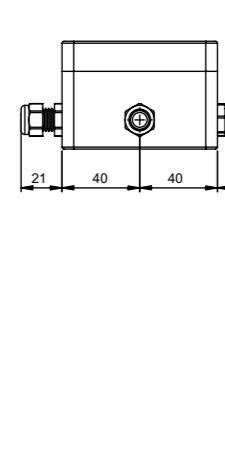
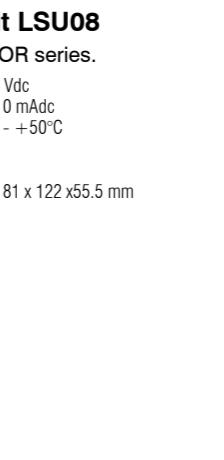
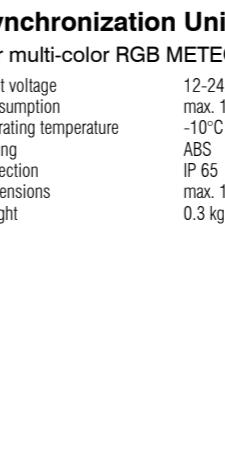
- 8 Synchronization Outputs
- Wide Range Power Supply
- Low Power Consumption
- Polarity Protection
- Transient Protection
- Short Circuit Output Protection
- Simple Installation

PWM Dimmer

Dimming of single-color lights or group of lights by using optional momentary switch. Built-in ASTEL protocol to control single-color lights or group of lights by using optional DMX512 interface LXU01. MXU03.

Features

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



DMX512 Interface

DMX512 to ASTEL protocol multi-light converter to control single-color or multi-color light or one group of lights with built-in ASTEL protocol.

Features

- 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

Converter Interface LCI41

The LCI41 is J, P, H series light control, PWM light control and analog light control converter to ASTEL protocol with 1 output to control a group of RGB/RGBW multi-color lights with built-in ASTEL protocol.

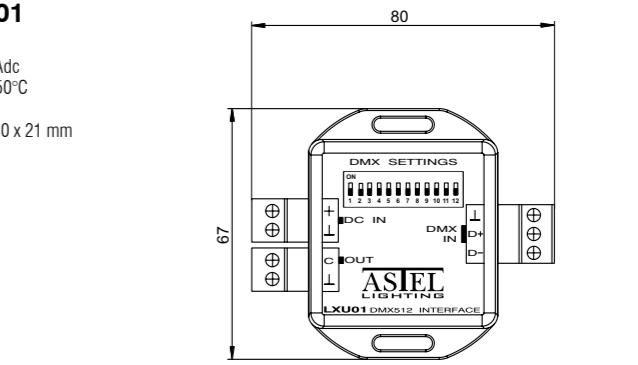
Features

- 1 Control Output
- Astel protocol
- DIP-switch Programmable
- J, P, H series light control compatible
- Opto-isolated interface
- PWM light control
- Analog light control
- Common cathode " + " interface
- Common anode " - " interface
- Wide Range Power Supply
- Low Power Consumption
- Polarity Protection
- Transient Protection
- Short Circuit Output Protection
- Simple Installation



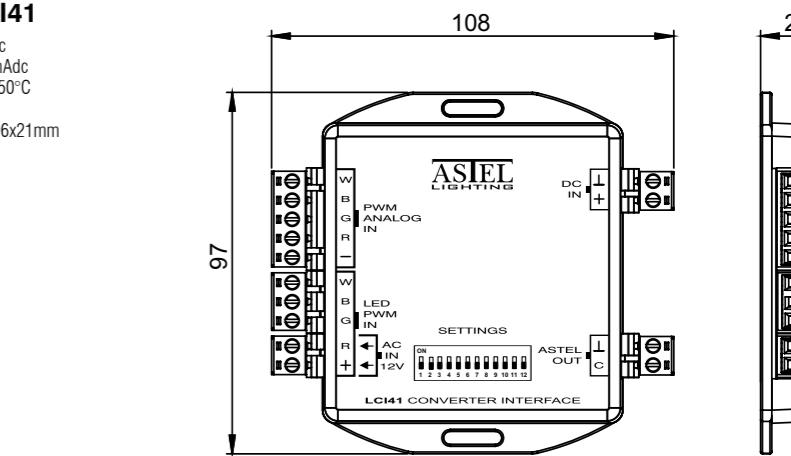
DMX512 Interface LXU01

Input voltage 12-24 Vdc
Consumption max. 50 mAdc
Operating temperature -10°C - +50°C
Casing ABS
Dimensions max. 67 x 80 x 21 mm
Weight 0.1 kg



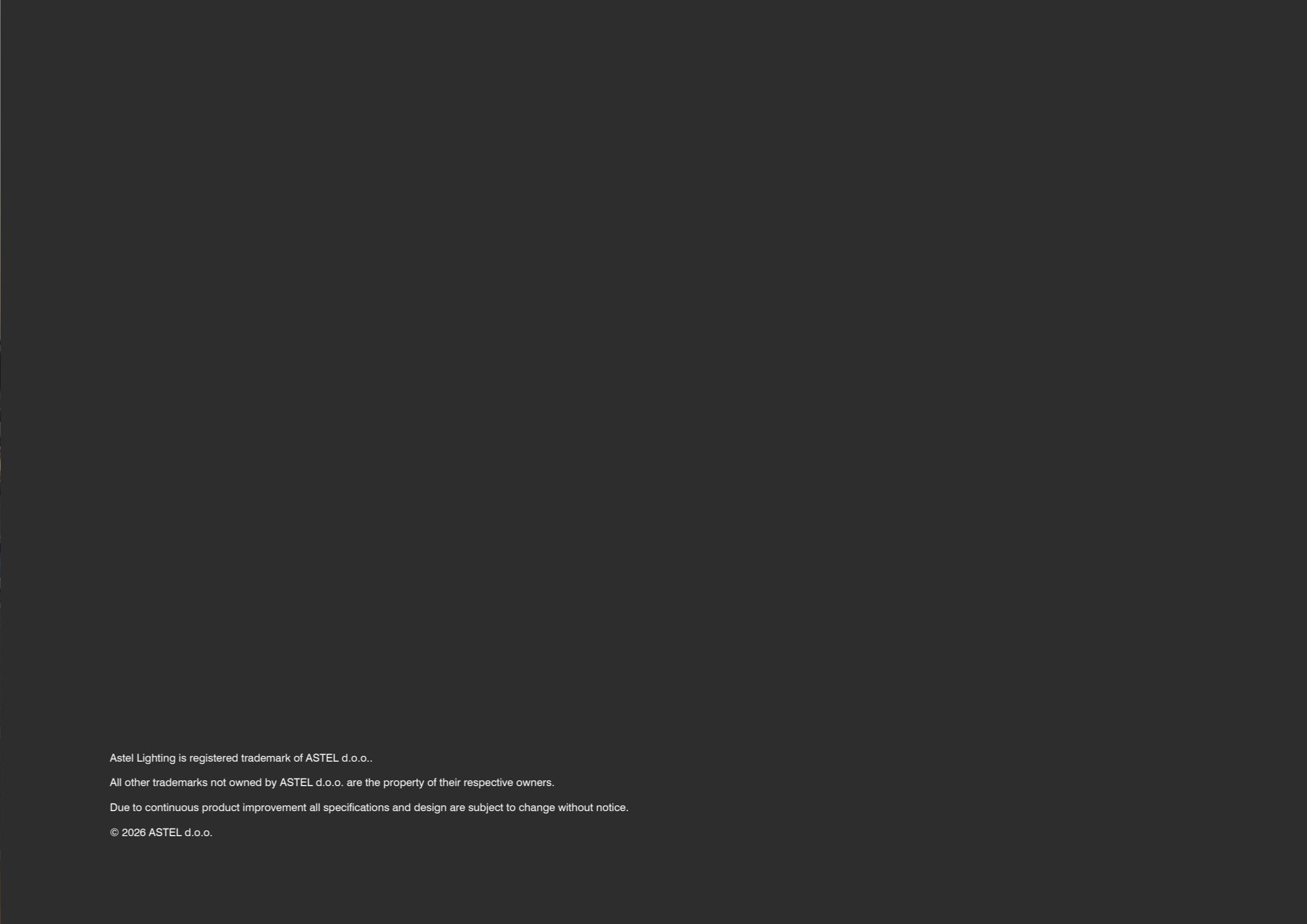
Converter Interface LCI41

Input voltage 12 – 24 Vdc
Consumption max. 100 mAdc
Operating temperature -10°C – +50°C
Casing ABS
Dimensions max. 108x96x21mm
Weight 0.1 kg





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ASTEL d.o.o.
Dutovlje 138
6221 Dutovlje
Slovenia

www.astel-lighting.com