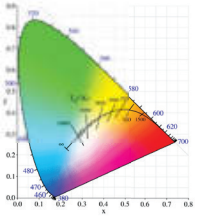
ATLANTIS UNDERWATER LED FIXTURES
Class III IP68 IK10

The Atlantis Underwater series is specially designed to light pools, fountains and water features with high power LED light. The series is made of 316L stainless steel to withstand salt water and chlorine. Standard finish is polished stainless steel to avoid collection of dirt and algae, but a brushed finish is also possible. The series comes as recessed, surface mount or spots. The spots are heavy duty with stainless steel brackets for sturdy fixing. The bodies are filled with cast resin and a specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The low voltage electronic LED driver is housed in the base of the fixture. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber or RGB. Several lenses from 10 to 40 degrees are available to choose from to achieve the desired light effect.



Frame
316L Stainless Steel
Body
316L Stainless Steel
Recessing Tube
Aluminium
Gaskets
Silicone
Diffusers
Tempered Glass
Screws
Stainless Steel
Mounting Brackets
316L Stainless Steel



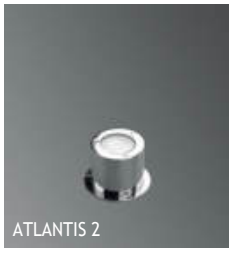
LEDs
Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

"Customization" is EMFA's standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.


ATLANTIS 5


ATLANTIS 2

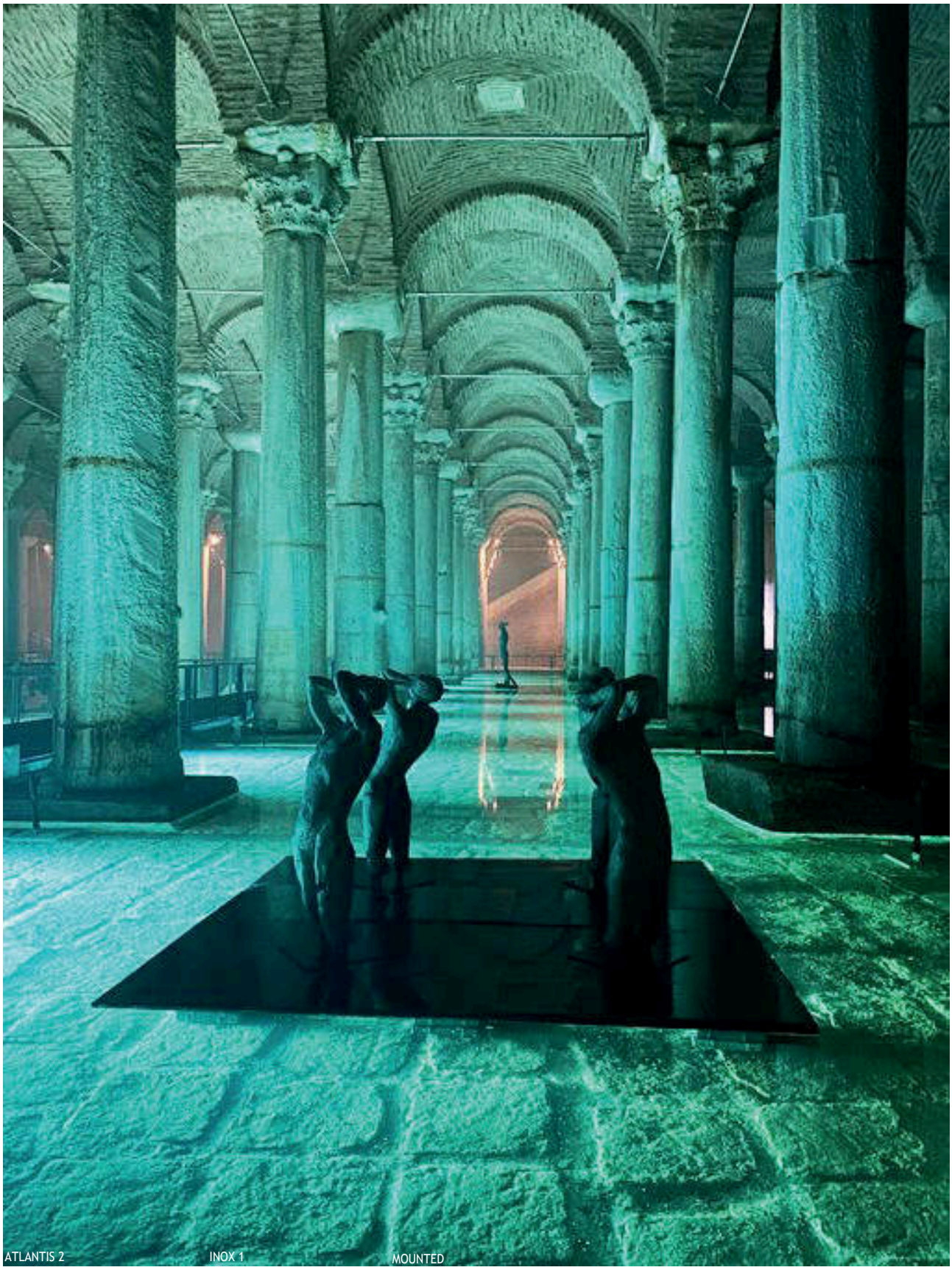

MIRA ATLANTIS RECESSED


ATLANTIS 2


INOX 1


MIRA ATLANTIS SURFACE MOUNTED

Thermal Management
All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA's laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.



ATLANTIS 2 INOX 1 MOUNTED

EMFA

ATLANTIS

UNDERWATER RECESSED LED FIXTURES
Class III IP68 IK10







POWER LEDs

Voltage : 12V AC or DC (24V AC or DC on request)

Lens : 10°, 25°, 40°

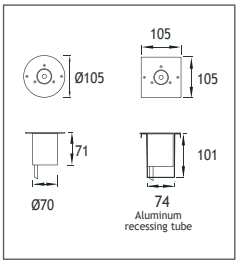
Diffuser : 8 mm Clear Glass (Frosted Glass on request)

Cable : Potted 5m 2x0,75 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

ATLANTIS 1

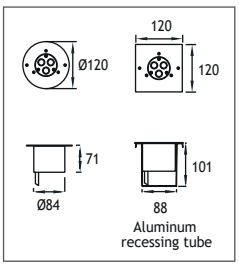




Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	421102	421112
1W LED	3000 K	95 lm	10°,25°,40°	421101	421111
1W LED	4500 K	97 lm	10°,25°,40°	421106	421116
1W LED	6000 K	99 lm	10°,25°,40°	421107	421117
3W LED	2700 K	285 lm	10°,25°,40°	421204	421214
3W LED	3000 K	285 lm	10°,25°,40°	421201	421211
3W LED	4500 K	290 lm	10°,25°,40°	421202	421212
3W LED	6000 K	296 lm	10°,25°,40°	421203	421213

ATLANTIS 2

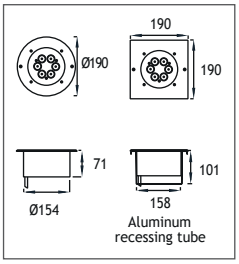




Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
3W LED	2700 K	285 lm	10°,25°,40°	421122	421132
3W LED	3000 K	285 lm	10°,25°,40°	421121	421131
3W LED	4500 K	290 lm	10°,25°,40°	421126	421136
3W LED	6000 K	296 lm	10°,25°,40°	421127	421137
9W LED	2700 K	855 lm	10°,25°,40°	421304	421314
9W LED	3000 K	855 lm	10°,25°,40°	421301	421311
9W LED	4500 K	872 lm	10°,25°,40°	421302	421312
9W LED	6000 K	890 lm	10°,25°,40°	421303	421313
9W LED	RGB		10°,25°,40°	421141	421151

ATLANTIS 5





Power	Kelvin	Real Lumen Output	Lens	Code No Round	Square
9W LED	2700 K	855 lm	10°,25°,40°	405322	405332
9W LED	3000 K	855 lm	10°,25°,40°	405321	405331
9W LED	4500 K	872 lm	10°,25°,40°	405326	405336
9W LED	6000 K	890 lm	10°,25°,40°	405327	405337
27W LED	2700 K	2560 lm	10°,25°,40°	421824	421834
27W LED	3000 K	2560 lm	10°,25°,40°	421821	421831
27W LED	4500 K	2610 lm	10°,25°,40°	421822	421832
27W LED	6000 K	2670 lm	10°,25°,40°	421823	421833
27W LED	RGB		10°,25°,40°	405341	405351

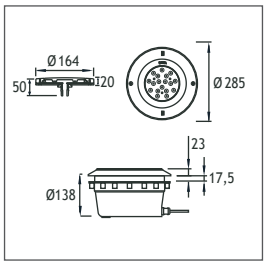
ATLANTIS 18 SWIMMING POOL LED FIXTURE
Class III IP68 IK10

Body
316L Stainless Steel Pipe
Frame
4 mm Polished Stainless Steel
Screws
316L Stainless Steel
Diffuser
8 mm Clear Glass
Gasket
Silicone
Remote Gear Box
240 VAC Class I
Control by DMX, remote control or push button

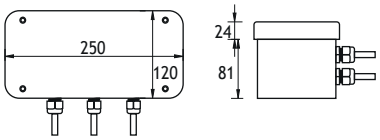


Voltage : 24V AC or DC
Lens : 10°, 25°, 40°
Diffuser : 8 mm Clear Glass (Frosted Glass on request)
Cable : Potted 10 m 4x0,75 H03 VV-F



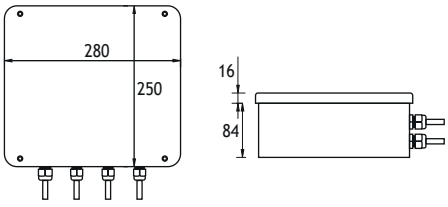


Power	Kelvin	Real Lumen Output	Lens	Code No
18W LED	2700 K	1710 lm	10°,25°,40°	408001
18W LED	3000 K	1710 lm	10°,25°,40°	408002
18W LED	4500 K	1744 lm	10°,25°,40°	408003
18W LED	6000 K	1779 lm	10°,25°,40°	408004



CODE NO 953702

SLIM IP 65 CONTROL BOX (For Max. 1 RGBox)
GLASS REINFORCED POLYESTER BODY



CODE NO 953703

WIDE IP 65 CONTROL BOX (For Max. 3 RGBoxes)
GLASS REINFORCED POLYESTER BODY

ATLANTIS 27

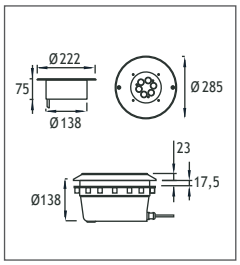
SWIMMING POOL LED FIXTURE
Class III IP68 IK10

Body
316L Stainless Steel Pipe
Frame
4 mm Polished Stainless Steel
Screws
316L Stainless Steel
Diffuser
8 mm Clear Glass
Gasket
Silicone
Remote Gear Box
240 VAC Class I
Control by DMX, remote control or push button

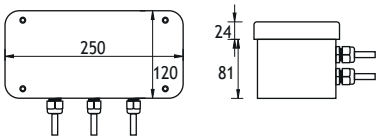


Voltage : 12V AC or DC (24V AC or DC on request)
Lens : 10°, 25°, 40°
Diffuser : 8 mm Clear Glass (Frosted Glass on request)
Cable : Potted 10 m 4x0,75 H03 VV-F



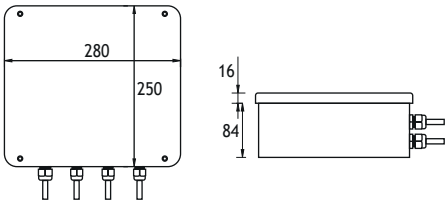


Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°	405472
6W LED	3000 K	570 lm	10°,25°,40°	405471
6W LED	4500 K	581 lm	10°,25°,40°	405476
6W LED	6000 K	593 lm	10°,25°,40°	405477
9W LED	2700 K	855 lm	10°,25°,40°	405482
9W LED	3000 K	855 lm	10°,25°,40°	405481
9W LED	4500 K	872 lm	10°,25°,40°	405486
9W LED	6000 K	890 lm	10°,25°,40°	405487
18W LED	2700 K	1710 lm	10°,25°,40°	421704
18W LED	3000 K	1710 lm	10°,25°,40°	421701
18W LED	4500 K	1744 lm	10°,25°,40°	421702
18W LED	6000 K	1779 lm	10°,25°,40°	421703
27W LED	2700 K	2560 lm	10°,25°,40°	421714
27W LED	3000 K	2560 lm	10°,25°,40°	421711
27W LED	4500 K	2610 lm	10°,25°,40°	421712
27W LED	6000 K	2670 lm	10°,25°,40°	421713
27W LED	RGB		10°,25°,40°	425311



CODE NO 953702

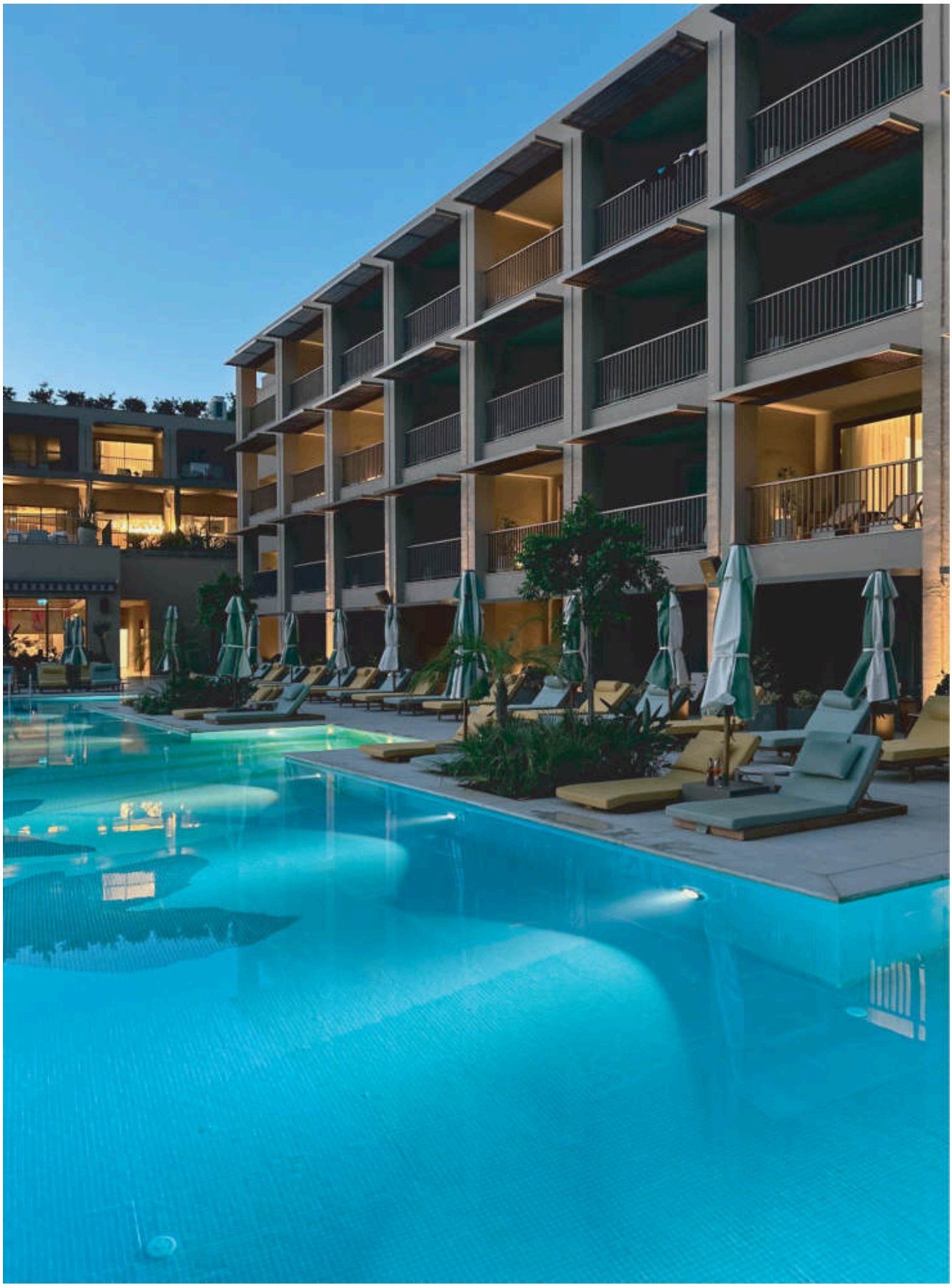
SLIM IP 65 CONTROL BOX (For Max. 1 RGBox)
GLASS REINFORCED POLYESTER BODY



CODE NO 953703

WIDE IP 65 CONTROL BOX (For Max. 3 RGBoxes)
GLASS REINFORCED POLYESTER BODY

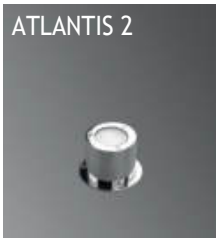
EMFA



ATLANTIS

UNDERWATER RECESSED MOUNTED LED FIXTURES
Class III IP68 IK10









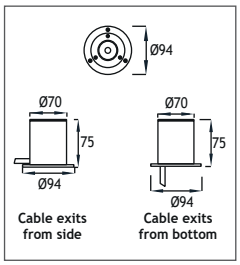
POWER LEDs

Voltage : 12V AC or DC (24V AC or DC on request)
Lens : 10°, 25°, 40°
Diffuser : 8 mm Clear Glass (Frosted Glass on request)
Cable : Potted 5m 2x0,75 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

ATLANTIS 1

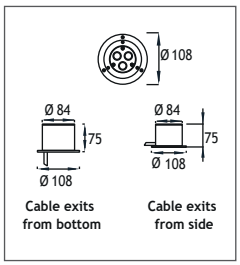




Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	405362
1W LED	3000 K	95 lm	10°,25°,40°	405361
1W LED	4500 K	97 lm	10°,25°,40°	405366
1W LED	6000 K	99 lm	10°,25°,40°	405367
3W LED	2700 K	285 lm	10°,25°,40°	421324
3W LED	3000 K	285 lm	10°,25°,40°	421321
3W LED	4500 K	290 lm	10°,25°,40°	421322
3W LED	6000 K	296 lm	10°,25°,40°	421323

ATLANTIS 2

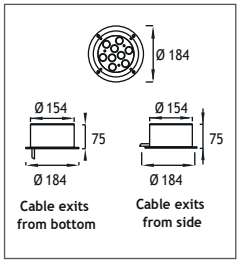




Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,25°,40°	405372
3W LED	3000 K	285 lm	10°,25°,40°	405371
3W LED	4500 K	290 lm	10°,25°,40°	405376
3W LED	6000 K	296 lm	10°,25°,40°	405377
9W LED	2700 K	855 lm	10°,25°,40°	421334
9W LED	3000 K	855 lm	10°,25°,40°	421331
9W LED	4500 K	872 lm	10°,25°,40°	421332
9W LED	6000 K	890 lm	10°,25°,40°	421333
9W LED	RGB		10°,25°,40°	405201

ATLANTIS 5





Power	Kelvin	Real Lumen Output	Lens	Code No
9W LED	2700 K	855 lm	10°,25°,40°	405392
9W LED	3000 K	855 lm	10°,25°,40°	405391
9W LED	4500 K	872 lm	10°,25°,40°	405396
9W LED	6000 K	890 lm	10°,25°,40°	405397
27W LED	2700 K	2560 lm	10°,25°,40°	421854
27W LED	3000 K	2560 lm	10°,25°,40°	421851
27W LED	4500 K	2610 lm	10°,25°,40°	421852
27W LED	6000 K	2670 lm	10°,25°,40°	421853
27W LED	RGB		10°,25°,40°	405411

ATLANTIS

UNDERWATER LED SPOT
Class III IP68 IK10









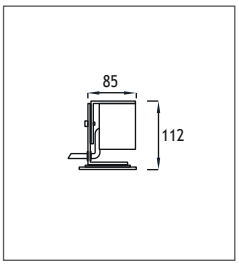
POWER LEDs

Voltage : 12V AC or DC (24V AC or DC on request)
Lens : 10°, 25°, 40°
Diffuser : 8 mm Clear Glass (Frosted Glass on request)
Cable : Potted 5m 2x0,75 H03 VV-F

Single color LED options upon request are ;
Blue Amber Green Red

ATLANTIS 1

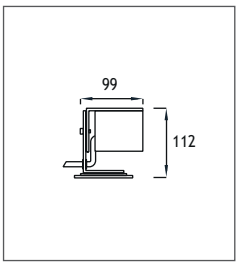




Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	405422
1W LED	3000 K	95 lm	10°,25°,40°	405421
1W LED	4500 K	97 lm	10°,25°,40°	405426
1W LED	6000 K	99 lm	10°,25°,40°	405427
3W LED	2700 K	285 lm	10°,25°,40°	405244
3W LED	3000 K	285 lm	10°,25°,40°	405241
3W LED	4500 K	290 lm	10°,25°,40°	405242
3W LED	6000 K	296 lm	10°,25°,40°	405243

ATLANTIS 2

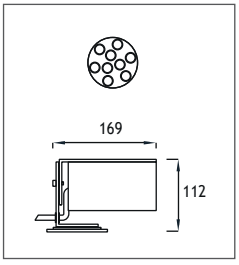




Power	Kelvin	Real Lumen Output	Lens	Code No
3W LED	2700 K	285 lm	10°,25°,40°	405254
3W LED	3000 K	285 lm	10°,25°,40°	405251
3W LED	4500 K	290 lm	10°,25°,40°	405252
3W LED	6000 K	296 lm	10°,25°,40°	405253
9W LED	2700 K	855 lm	10°,25°,40°	421344
9W LED	3000 K	855 lm	10°,25°,40°	421341
9W LED	4500 K	872 lm	10°,25°,40°	421342
9W LED	6000 K	890 lm	10°,25°,40°	421343
9W LED	RGB		10°,25°,40°	405431

ATLANTIS 5





Power	Kelvin	Real Lumen Output	Lens	Code No
9W LED	2700 K	855 lm	10°,25°,40°	405452
9W LED	3000 K	855 lm	10°,25°,40°	405451
9W LED	4500 K	872 lm	10°,25°,40°	405456
9W LED	6000 K	890 lm	10°,25°,40°	405457
27W LED	2700 K	2560 lm	10°,25°,40°	421874
27W LED	3000 K	2560 lm	10°,25°,40°	421871
27W LED	4500 K	2610 lm	10°,25°,40°	421872
27W LED	6000 K	2670 lm	10°,25°,40°	421873
27W LED	RGB		10°,25°,40°	405461

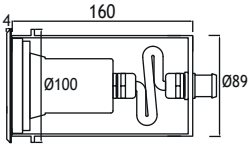
INOX

UNDERWATER LED SPOT
Class III IP68 IK10

EMFA's Inox 1 Underwater spot is completely made of solid 316L stainless steel to withstand salt water and chlorine. The spot is specially designed to light fountains and water features. A special factory sealed cable is used to avoid any ingress of water. Standard finish is polished stainless steel to avoid collection of dirt and algae, but a brushed finish is also possible.



Body
316L marine grade stainless steel
Frame
316L marine grade stainless steel
Diffuser
Tempered Glass
Gaskets
Silicone
Screws
316L marine grade stainless steel
Gland
316L marine grade stainless steel



Stainless Steel Recessing Tube

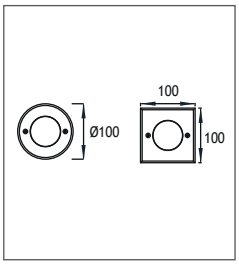
Lampholder : Gu 5.3
Reflector : -
Diffuser : 8 mm Tempered Glass

Transformer is not included.

Remote transformer should be used.

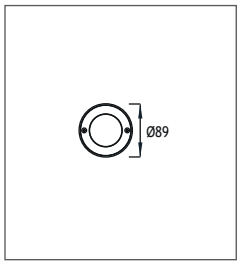
STEP MOUNTED





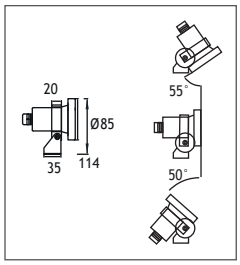
Power	Lampholder	Code No Round	Square
12V Led Lamp	Gu 5.3	134211	134201

FLUSH MOUNTED

Power	Lampholder	Code No
12V Led Lamp	Gu 5.3	134221

SPOT

Power	Lampholder	Code No
12V Led Lamp	Gu 5.3	134101

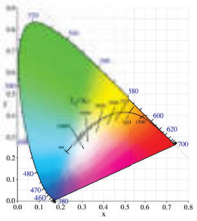
MIRA ATLANTIS

UNDERWATER RECESSED LED FIXTURES
Class III IP68 IK10

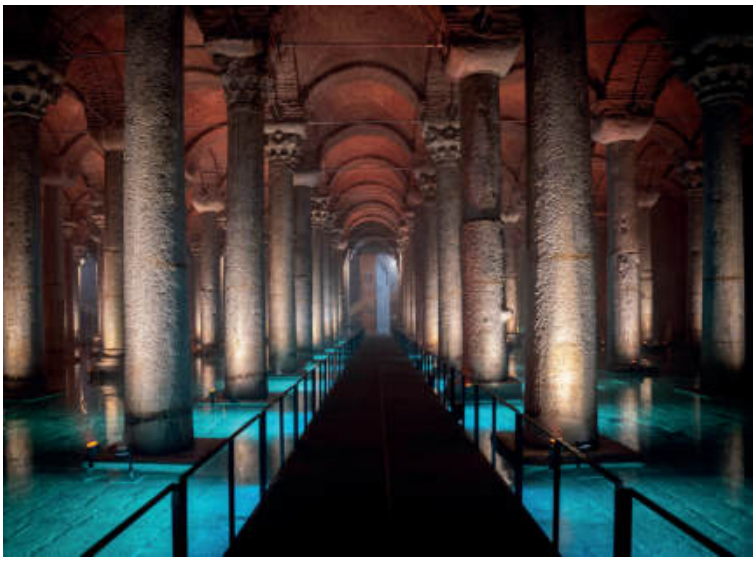
The Mira Atlantis Underwater series brings together the rectangular LED fixture called Mira with the underwater feature of the Atlantis. Engineered completely from marine grade stainless steel, 316L, this range is designed to light pools, fountains and water features with efficient LED lighting. Standard finish is polished stainless steel to avoid collection of dirt and algae, but a brushed finish is also available on request. The series comes as recessed or surface mount. The surface mounted version has heavy-duty stainless steel adjustable brackets for sturdy fixing. The bodies are filled with cast resin and a specially developed potted power cable is used to effectively bond with the cast resin and stop any water ingress. The low voltage electronic LED driver is housed in the base of the fixture. The LEDs used come in 4 different tones of white, as well as blue, red, green, amber or RGB. Several lenses from 6 to 40 degrees are available to choose from to achieve the desired underwater light effect.



Cover
316L Stainless steel
Outer Body
316L Stainless steel
Body
Die cast aluminium
Diffusers
12 mm Tempered Glass
Gaskets
Silicone
Screws
316L Stainless steel
Recessing Box
Stainless steel



“Customization” is EMFA’s standard
EMFA offers many combinations for each fixture, as all fixtures are made in house. A combination of 2 finishes of stainless steel, 8 LED colors, 2 wattages, and 5 or more lenses and reflectors are available to make the fixture suitable for the required application. This is done without increasing lead-time and is available for large as well as small quantities.



LEDs
Only highest quality LEDs such as Cree or Toplite are used in production allowing for maximum lumen output and maximum lifetime. Most LEDs run on 350mA or 700mA depending on how much light output is required. The white color temperature binning is 200K at most, and always on the same x,y coordinates on the CIE diagram in accordance with Energy Star. This ensures consistent supply of the same color temperature over time. As LEDs are constantly developing and becoming more efficient, lumen output given in this catalogue are current as of March 2020. At 2700K, 3000K, and 4000K LED lumen output per led is 110lm; at 6000K the lumen output per led is 125lm. Total Lighting Output as printed in this catalogue is the actual light output of the entire fixture. The minimum CRI of the LEDs used is 85 with a majority of products over 90.

Thermal Management
All fixtures are designed to withstand ambient temperatures of at least 50°C. The LEDs are mounted on metal core pcbs, which are mounted to the aluminium body of the fixture so that the entire fixture acts as a heat sink. Extensive testing is performed in EMFA’s laboratory to ensure these values are maintained so that the lifetime of the LED is not compromised.

MIRA ATLANTIS

UNDERWATER RECESSED LED FIXTURES
Class III IP68 IK10







POWER LED

Voltage : 24V AC or DC

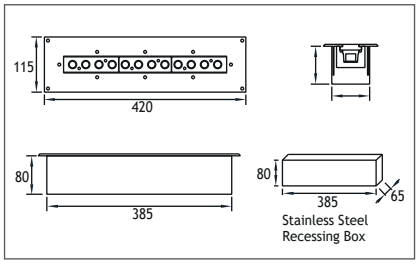
Lens : 10°, 25°, 40°

Diffuser : Clear Glass 12 mm (Frosted Glass on request)

Cable : Potted 5m 2x0,75 H03 VV-F

MIRA ATLANTIS 1

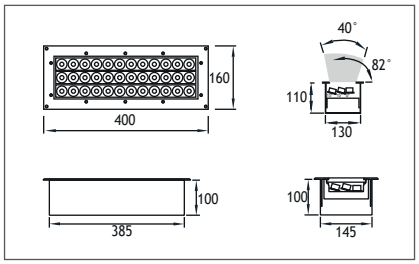




Power	Kelvin	Real Lumen Output	Lens	Code No
12W LED	2700 K	1140 lm	10°,25°,40°	429004
12W LED	3000 K	1140 lm	10°,25°,40°	429001
12W LED	4500 K	1162 lm	10°,25°,40°	429002
12W LED	6000 K	1185 lm	10°,25°,40°	429003
12W LED	RGB		10°,25°,40°	429011

MIRA ATLANTIS 2 15°+15°+0° ASYMMETRICAL

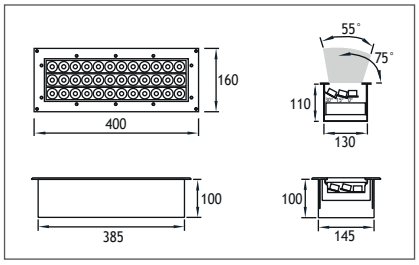




Power	Kelvin	Real Lumen Output	Lens	Code No
12W LED	2700 K	1140 lm	10°,25°,40°	429044
12W LED	3000 K	1140 lm	10°,25°,40°	429041
12W LED	4500 K	1162 lm	10°,25°,40°	429042
12W LED	6000 K	1185 lm	10°,25°,40°	429043
12W LED	RGB		10°,25°,40°	429051

MIRA ATLANTIS 2 15°+15°+0° ASYMMETRICAL





Power	Kelvin	Real Lumen Output	Lens	Code No
36W LED	2700 K	3420 lm	10°,25°,40°	429064
36W LED	3000 K	3420 lm	10°,25°,40°	429061
36W LED	4500 K	3520 lm	10°,25°,40°	429062
36W LED	6000 K	3557 lm	10°,25°,40°	429063
36W LED	RGB		10°,25°,40°	429071

MIRA ATLANTIS

UNDERWATER SURFACE MOUNTED LED FIXTURES
Class III IP68 IK10



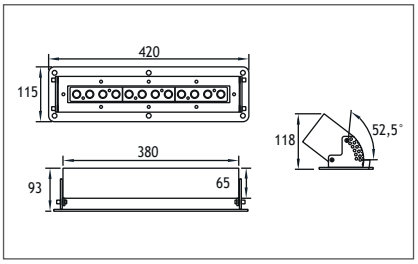


POWER LED

Voltage : 24V AC or DC
Lens : 10°, 25°, 40°
Diffuser : Clear Glass 12 mm (Frosted Glass on request)
Cable : Potted 5m 2x0,75 H03 VV-F

MIRA ATLANTIS 1 SURFACE MOUNTED

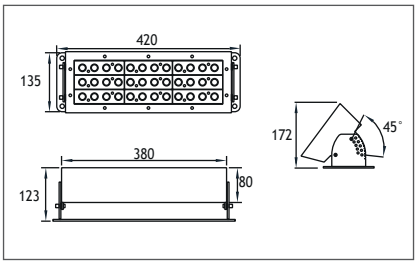




Power	Kelvin	Real Lumen Output	Lens	Code No
12W LED	2700 K	1140 lm	10°,25°,40°	429024
12W LED	3000 K	1140 lm	10°,25°,40°	429021
12W LED	4500 K	1162 lm	10°,25°,40°	429022
12W LED	6000 K	1185 lm	10°,25°,40°	429023
12W LED	RGB		10°,25°,40°	429031

MIRA ATLANTIS 2 SURFACE MOUNTED





Power	Kelvin	Real Lumen Output	Lens	Code No
36W LED	2700 K	3420 lm	10°,25°,40°	429084
36W LED	3000 K	3420 lm	10°,25°,40°	429081
36W LED	4500 K	3520 lm	10°,25°,40°	429082
36W LED	6000 K	3557 lm	10°,25°,40°	429083
36W LED	RGB		10°,25°,40°	429091

