

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 3 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 light effect.

Frame

316L Stainless Steel

Body

316L Stainless Steel

Recessing Tube

Aluminium

Gaskets

Silicone

Diffusers

Tempered Glass

Screws

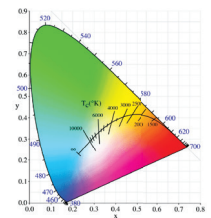
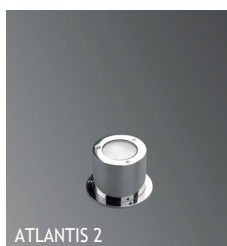
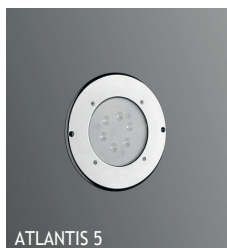
Stainless Steel

Mounting Brackets

316L Stainless Steel

“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.

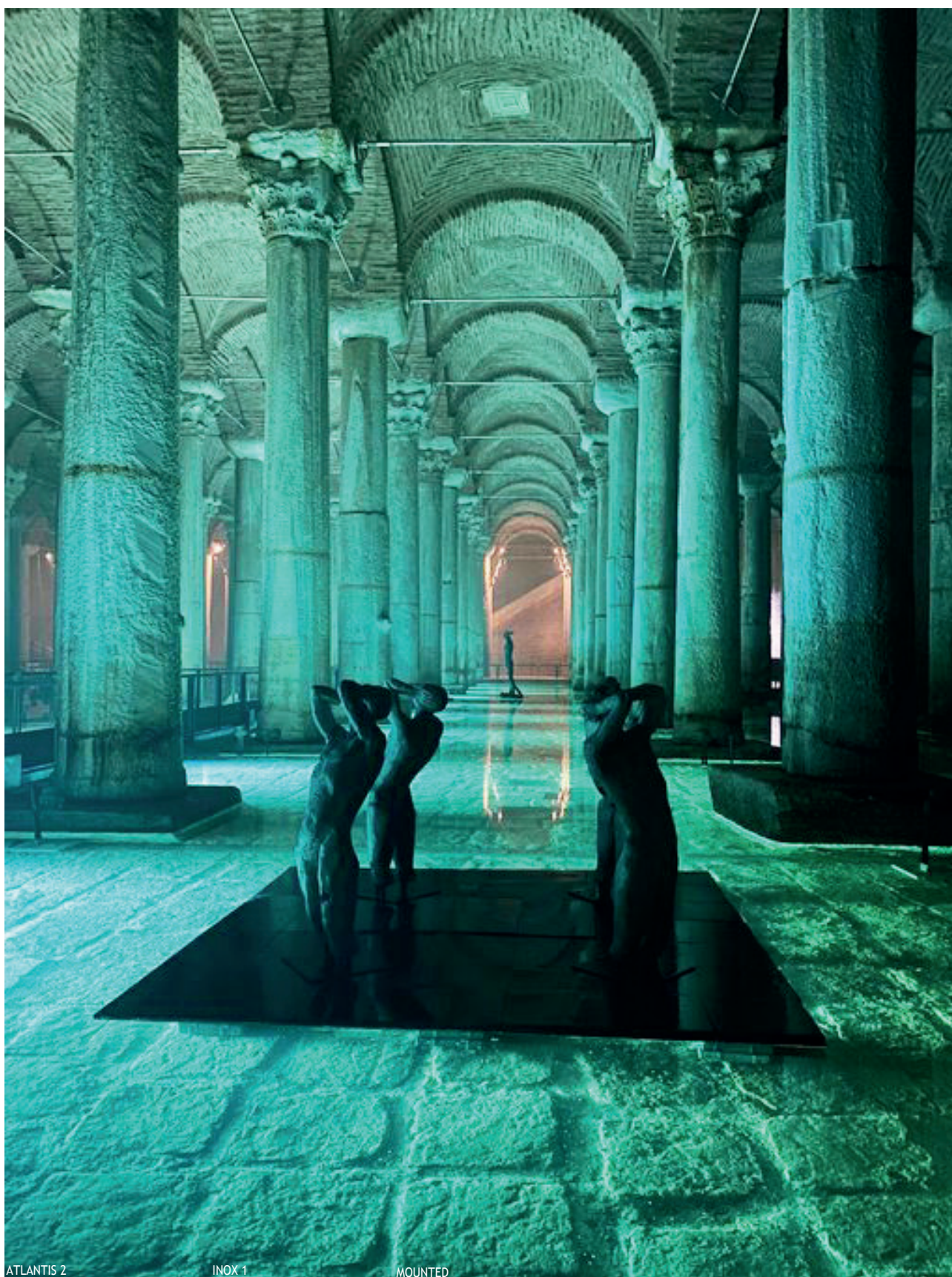


LEDs

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 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.



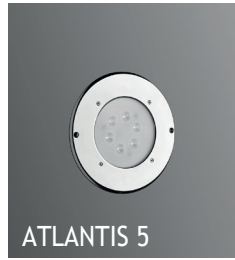
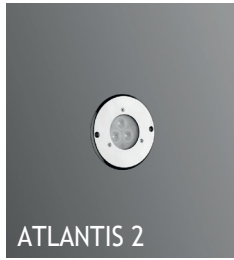
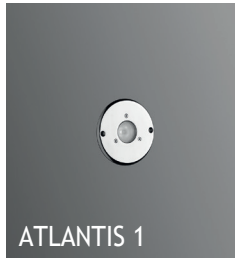
ATLANTIS 2

INOX 1

MOUNTED

ATLANTIS

UNDERWATER RECESSED LED FIXTURES Class III IP68 IK10



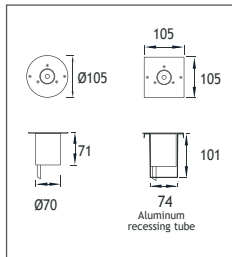
POWER LEDs

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 ;

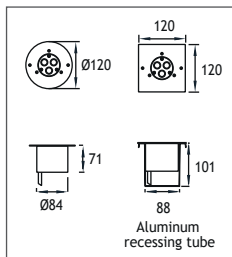
Blue Amber Green Red

ATLANTIS 1



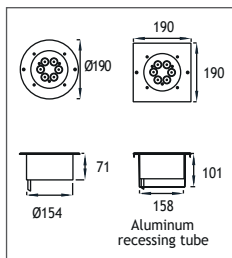
Power	Kelvin	Real Lumen Output	Lens	Code No	
				Round	Square
1W LED	2700 K	95 lm	10°,25°,40°	421102	421112
1W LED	3000 K	95 lm	10°,25°,40°	421101	421111
1W LED	4500 K	97 lm	10°,25°,40°	421106	421116
1W LED	6000 K	99 lm	10°,25°,40°	421107	421117
3W LED	2700 K	285 lm	10°,25°,40°	421204	421214
3W LED	3000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

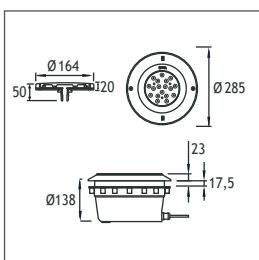
Control by DMX, remote control or push button

Voltage : 24V AC or DC

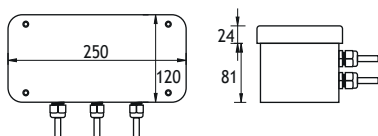
Lens : 10°, 25°, 40°

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

Cable : Potted 10 m 4x0,75 H03 VV-F

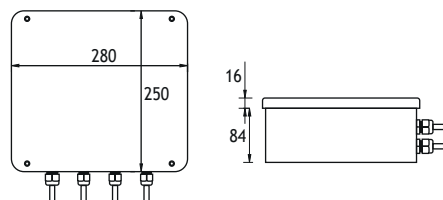


Power	Kelvin	Real Lumen Output	Lens	Code No
20W LED	2700 K	1710 lm	10°,25°,40°	408001
20W LED	3000 K	1710 lm	10°,25°,40°	408002
20W LED	4500 K	1744 lm	10°,25°,40°	408003
20W LED	6000 K	1779 lm	10°,25°,40°	408004



CODE NO 953702

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



CODE NO 953703

WIDE IP 65 CONTROL BOX (For Max. 3 RGBBoxes)
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

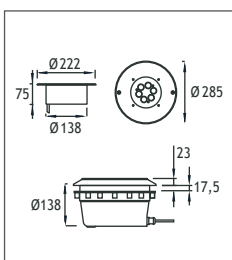
Control by DMX, remote control or push button

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

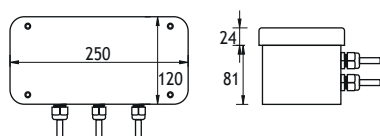
Lens : 10°, 25°, 40°

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

Cable : Potted 10 m 4x0,75 H03 VV-F

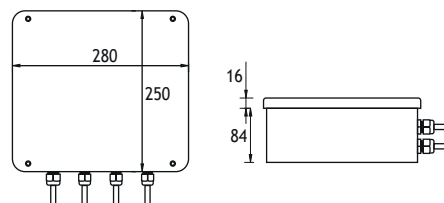


Power	Kelvin	Real Lumen Output	Lens	Code No
6W LED	2700 K	570 lm	10°,25°,40°	405472
6W LED	3000 K	570 lm	10°,25°,40°	405471
6W LED	4500 K	581 lm	10°,25°,40°	405476
6W LED	6000 K	593 lm	10°,25°,40°	405477
9W LED	2700 K	855 lm	10°,25°,40°	405482
9W LED	3000 K	855 lm	10°,25°,40°	405481
9W LED	4500 K	872 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 RGBBox)
GLASS REINFORCED POLYESTER BODY



CODE NO 953703

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



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)

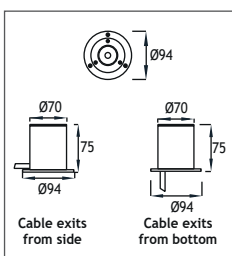
Cable : Potted 5m 2x0,75 H03 VV-F

Single color LED options upon request are ;

● Blue ● Amber ● Green ● Red

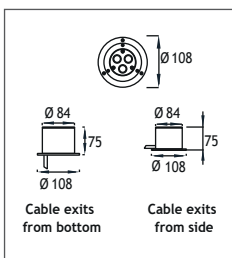


ATLANTIS 1



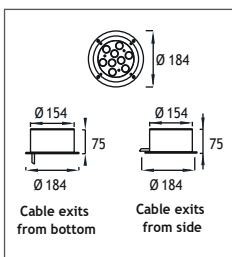
Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	405362
1W LED	3000 K	95 lm	10°,25°,40°	405361
1W LED	4500 K	97 lm	10°,25°,40°	405366
1W LED	6000 K	99 lm	10°,25°,40°	405367
3W LED	2700 K	285 lm	10°,25°,40°	421324
3W LED	3000 K	285 lm	10°,25°,40°	421321
3W LED	4500 K	290 lm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



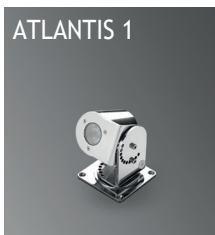
Power	Kelvin	Real Lumen Output	Lens	Code No
9W LED	2700 K	855 lm	10°,25°,40°	405392
9W LED	3000 K	855 lm	10°,25°,40°	405391
9W LED	4500 K	872 lm	10°,25°,40°	405396
9W LED	6000 K	890 lm	10°,25°,40°	405397
27W LED	2700 K	2560 lm	10°,25°,40°	421854
27W LED	3000 K	2560 lm	10°,25°,40°	421851
27W LED	4500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

ATLANTIS 1



ATLANTIS 2



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

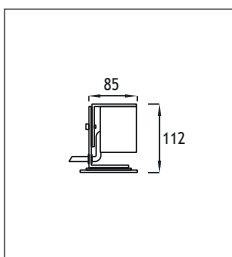
ATLANTIS 5



ATLANTIS 5

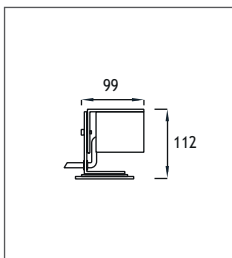


ATLANTIS 1



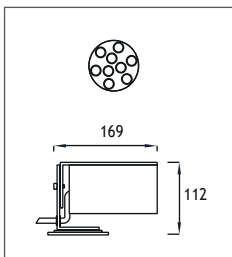
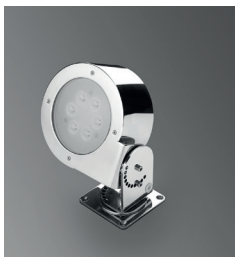
Power	Kelvin	Real Lumen Output	Lens	Code No
1W LED	2700 K	95 lm	10°,25°,40°	405422
1W LED	3000 K	95 lm	10°,25°,40°	405421
1W LED	4500 K	97 lm	10°,25°,40°	405426
1W LED	6000 K	99 lm	10°,25°,40°	405427
3W LED	2700 K	285 lm	10°,25°,40°	405244
3W LED	3000 K	285 lm	10°,25°,40°	405241
3W LED	4500 K	290 lm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

Class III IP68

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

HALOGEN

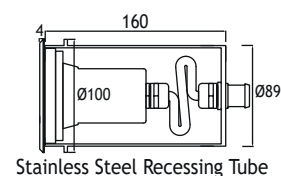
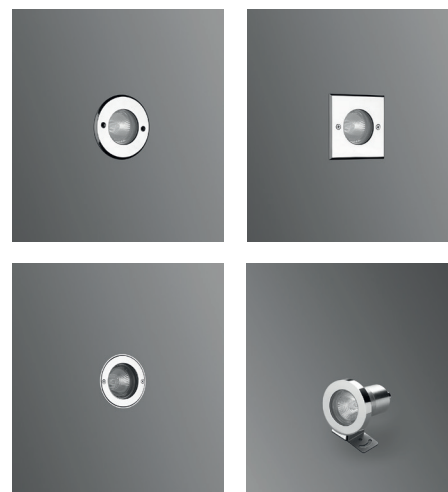
Lampholder : Gu 5.3

Reflector : -

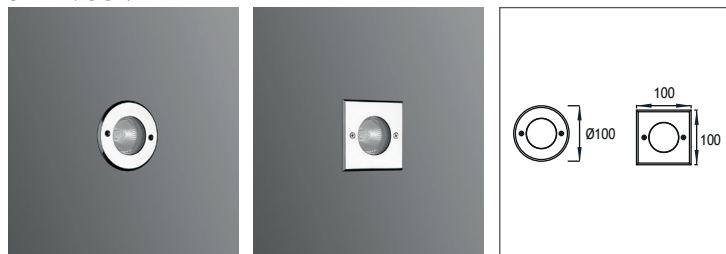
Diffuser : 8 mm Tempered Glass

Transformer is not included.

Remote transformer should be used.

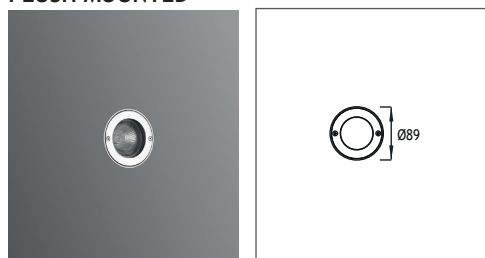


STEP MOUNTED



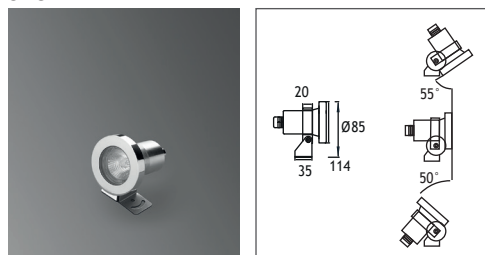
Power	Lampholder	Code No	
		Round	Square
50W HALOGEN	Gu 5.3	134211	134201

FLUSH MOUNTED



Power	Lampholder	Code No
50W HALOGEN	Gu 5.3	134221

SPOT



Power	Lampholder	Code No
50W HALOGEN	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 3 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 the light effect.

Cover

316L Stainless steel

Outer Body

316L Stainless steel

Body

Die cast aluminium

Diffusers

12 mm Tempered Glass

Gaskets

Silicone

Screws

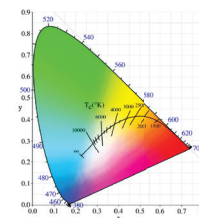
316L Stainless steel

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.

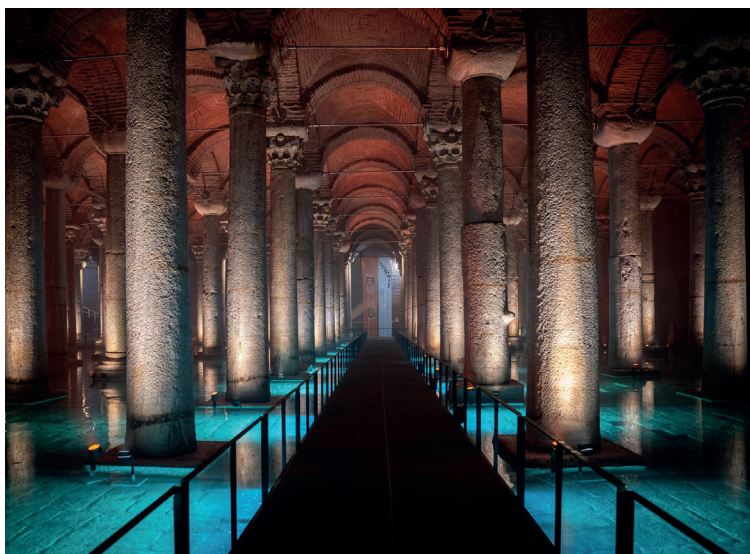


LEDs

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 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

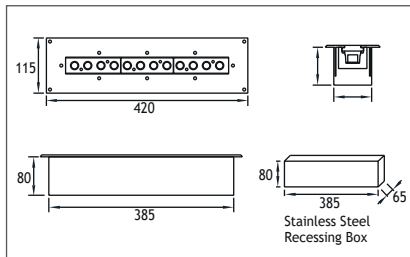
UNDERWATER RECESSED LED FIXTURES Class III IP68 IK10



POWER LED

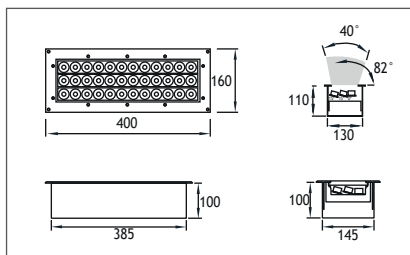
Voltage	: 24V AC or DC
Lens	: 10°, 25°, 40°
Diffuser	: Clear Glass 12 mm (Frosted Glass on request)
Cable	: Potted 5m 2x0,75 H03 VV-F

MIRA ATLANTIS 1



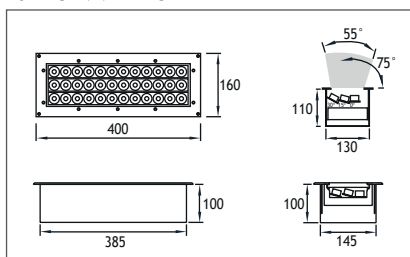
Power	Kelvin	Real Lumen Output	Lens	Code No
12W LED	2700 K	1140 lm	10°, 25°, 40°	429004
12W LED	3000 K	1140 lm	10°, 25°, 40°	429001
12W LED	4500 K	1162 lm	10°, 25°, 40°	429002
12W LED	6000 K	1185 lm	10°, 25°, 40°	429003
12W LED	RGB		10°, 25°, 40°	429011

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°	429041

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	3930 lm	10°, 25°, 40°	429063
36W LED	RGB		10°, 25°, 40°	429071

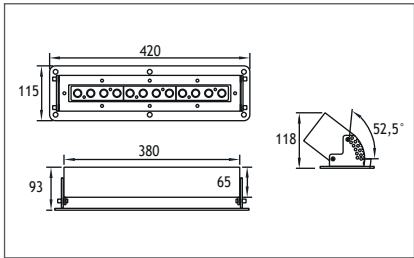
MIRA ATLANTIS

UNDERWATER SURFACE MOUNTED LED FIXTURES Class III IP68 IK10



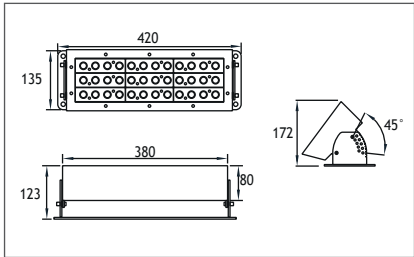
- POWER LED**
- Voltage** : 24V AC or DC
 - Lens** : 10°, 25°, 40°
 - Diffuser** : Clear Glass 12 mm (Frosted Glass on request)
 - Cable** : Potted 5m 2x0,75 H03 VV-F

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	3930 lm	10°,25°,40°	429083
36W LED	RGB		10°,25°,40°	429091

