

## DESCRIPTION

The Atlantis 1407 is an ultra compact underwater fixture for use with a low voltage dimmable LED or halogen MR16 lamp. Its heavy duty, ad-justable mounting plate provides easy and secure aiming. A standard quick release mechanism enables easy replamping out of the water. Various lenses, louvers and color or dichroic filters can be combined - up to three at once - to create multiple underwater lighting effects. The Atlantis series is designed for use in freshwater decorative ponds, fountains and water gardens. Not suitable for use in salt water.

## SPECIFICATION FEATURES

### Material

Housing, hood and mounting plate are precision-machined from corrosion-resistant C932 bronze\* or 303/304 stainless steel.

### Finish

Solid bronze\* or stainless steel finish is unpainted to reveal the natural beauty of the material.

### Hood

Hood is removable for easy relamping and accepts up to three internal accessories at once (lenses, louvers, filters) to achieve multiple lighting effects. A standard quick release mechanism enables easy relamping out of the water.

### Gasket

Housing and hood are sealed with a high temperature silicone o-ring gasket to prevent water intrusion.

### Lens

Tempered glass lens, factory sealed with high temperature adhesive to prevent water intrusion and breakage due to thermal shock.

### Hardware

Stainless steel hardware is standard to provide maximum corrosion-resistance.

### Socket

Ceramic socket with 250°C Teflon coated lead wires and GU5.3 bi-pin base.

### Cord & Fitting

Fixture is equipped with 15 feet of low voltage SJO cord and a machined, solid brass liquid tight fitting

### Electrical

Remote 12V transformer required (not included). Use Lumiere model T300 or equivalent only. Available from Lumiere as an accessory - see the Accessories & Technical Data section of the catalog for details. NOTE: initial power draw on LED equipped fixtures can be up to 15 watts in cold weather. When sizing transformer use 15 watts per LED fixture. Nominal power draw after start up is 10 watts or 6 watts accordingly. Also, LEDs are more voltage sensitive than standard halogen MR16 lamps. The LED module is designed to operate between 10 and 13 volts. Any less or more voltage can cause premature failures.

### Lamp

Halogen lamp not included. LED modules are included and are available in four color temperatures (2700, 3000, 4000, and 5700) and three distributions (spot, narrow, and flood). Both color temperature and distribution must be specified when ordering. Sora lamp compatible (10W Max).

### Labels & Approvals

UL and cUL listed, standard wet label. IP68 rated. Manufactured to ISO 9001-2000 Quality Systems Standard. IBEW union made. Approved by New York City Department of Buildings, Bureau of Electrical Control for use in NYC, NY. Some models are California Title 24 compliant.

### Warranty

Lumiere warrants its fixtures and LEDs against defects in materials & workmanship for three (3) years. Auxiliary equipment such as transformers, ballasts, drivers and lamps carry the original manufacturer's warranty.



## 1407 ATLANTIS LED HALOGEN

APPLICATIONS:  
UNDERWATER

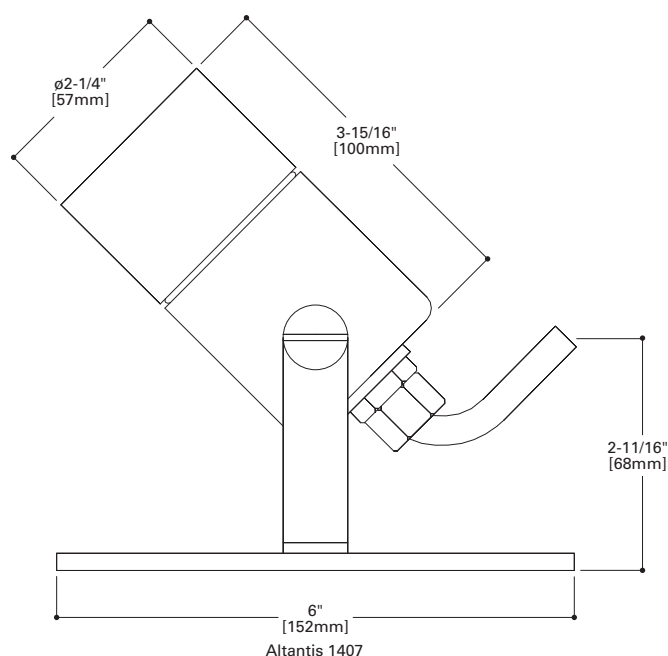


### CERTIFICATION DATA

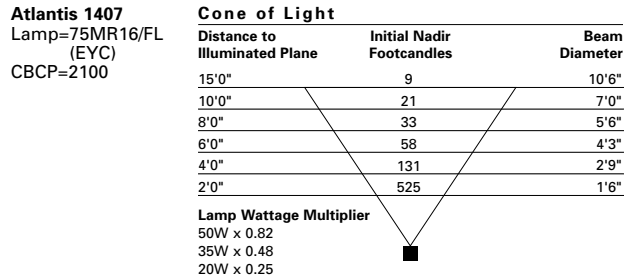
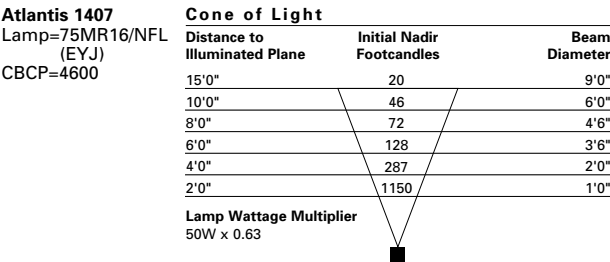
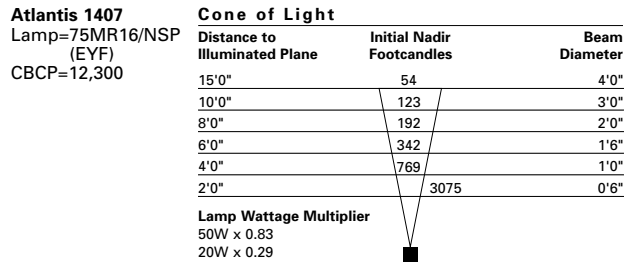
UL and cUL Wet Location Listed  
LM79 / LM80 Compliant  
ROHS\* Compliant  
IP68 Ingress Protection Rated

### TECHNICAL DATA

6W LED  
10W LED  
75W (max.) MR16  
Low Voltage



PHOTOMETRIC DATA



LAMP INFORMATION

Lamp	ANSI Code	Watts	Beam Spread	CBCP	°K	Life (hrs.)	Base	Volts
75MR16/NSP	EYF	75	14°	12,300	3050	4000	GU5.3 bi-pin	12
75MR16/NFL	EYJ	75	25°	4600	3050	4000	GU5.3 bi-pin	12
75MR16/FL	EYC	75	42°	2100	3050	4000	GU5.3 bi-pin	12

NOTE: Inferior quality lamps may adversely affect the performance of this product. Use only name brand lamps from reputable lamp manufacturers.

NOTES & FORMULAS

- Beam diameter is to 50% of maximum footcandles, rounded to the nearest half-foot.
- Footcandle values are initial. Apply appropriate light loss factors where necessary.
- Bare lamp data shown. Consult lamp manufacturers to obtain detailed specifications for their lamps.

ORDERING INFORMATION

Sample Number: 1407 - 10LED3012 - 12 -NBZ

Series

1407 = LED or MR16 Atlantis Underwater Fixture, Yoke Mounted

Source

75MR16 : 75W Max Halogen MR16, GU5.3 Base  
20MR16 : 20W Max Halogen MR16, GU5.3 Base, CA Title 24 Compliant  
6LED2712 : 6W 2700K, 12° Spot, GU5.3 Base  
6LED2721 : 6W 2700K, 21° Narrow, GU5.3 Base  
6LED2741 : 6W 2700K, 41° Wide, GU5.3 Base  
6LED3012 : 6W 3000K, 12° Spot, GU5.3 Base  
6LED3021 : 6W 3000K, 21° Narrow, GU5.3 Base  
6LED3041 : 6W 3000K, 41° Wide, GU5.3 Base  
6LED4012 : 6W 4000K, 12° Spot, GU5.3 Base  
6LED4021 : 6W 4000K, 21° Narrow, GU5.3 Base  
6LED4041 : 6W 4000K, 41° Wide, GU5.3 Base  
6LED5712 : 16W 5700K, 12° Spot, GU5.3 Base  
6LED5721 : 6W 5700K, 21° Narrow, GU5.3 Base  
6LED5741 : 6W 5700K, 41° Wide, GU5.3 Base  
10LED2712 : 10W 2700K, 12° Spot, GU5.3 Base  
10LED2721 : 10W 2700K, 21° Narrow, GU5.3 Base  
10LED2741 : 10W 2700K, 41° Wide, GU5.3 Base  
10LED3012 : 10W 3000K, 12° Spot, GU5.3 Base  
10LED3021 : 10W 3000K, 21° Narrow, GU5.3 Base  
10LED3041 : 10W 3000K, 41° Wide, GU5.3 Base  
10LED4012 : 10W 4000K, 12° Spot, GU5.3 Base  
10LED4021 : 10W 4000K, 21° Narrow, GU5.3 Base  
10LED4041 : 10W 4000K, 41° Wide, GU5.3 Base  
10LED5712 : 10W 5700K, 12° Spot, GU5.3 Base  
10LED5721 : 10W 5700K, 21° Narrow, GU5.3 Base  
10LED5741 : 10W 5700K, 41° Wide, GU5.3 Base

Voltage

12 = 12 Volts

Finish

Premium Finishes  
NBZ = Natural Bronze\*  
NSS = Natural Stainless Steel

Accessories

Filters  
F71 =Peach Dichroic Filter, 2.00" Dia  
F72 =Amber Dichroic Filter, 2.00" Dia  
F73 =Green Dichroic Filter, 2.00" Dia  
F74 =Medium Blue Dichroic Filter, 2.00" Dia  
F75 =Yellow Dichroic Filter, 2.00" Dia  
F76 =Red Dichroic Filter, 2.00" Dia  
F77 =Dark Blue Dichroic Filter, 2.00" Dia  
F78 =Light Blue Dichroic Filter, 2.00" Dia  
F79 =Neutral Density Dichroic Filter, 2.00" Dia  
F80 =Magenta Dichroic Filter, 2.00" Dia  
F22 =Red Color Filter, 2.00" Dia  
F33 =Blue Color Filter, 2.00" Dia  
F44 =Green Color Filter, 2.00" Dia  
F55 =Yellow Color Filter, 2.00" Dia  
F66 = Mercury Vapor Color Filter, 2.00" Dia  
Optical Lenses  
LSL = Linear Spread Lens (elongate standard beam spread), 2.00" Dia  
OSL = Overall Spread Lens (increase beam spread), 2.00" Dia  
DIF = Diffused Lens (provide even illumination), 2.00" Dia  
Optical Louver  
LVR = Hex Cell Louver (reduce glare), 2.00" Dia

Notes:

- Halogen lamp not included
- 12V remote transformer required - not included
- See ACCESSORIES & TECHNICAL DATA section of the Lumiere catalog for Low Voltage Cable & Transformers
- Consult your Cooper Lighting representative for additional options and finishes.