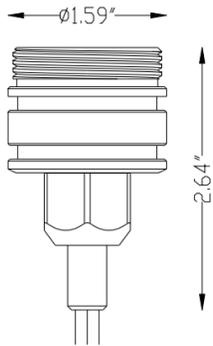


## INSTRUCTION MANUAL (LED MODULE)

MODELS	
CORE	M4B1
WW PRO	M7B1
RGBW PRO	M8B1



	CORE	PRO
Wattage	3.5W / 5.5W	WW: 4.5W RGBW: 3W
Voltage Range	10-15V	10-15V
Lumen Output	3.5W: 325 Lumens 5.5W: 435 Lumens	WW: 350 Lumens RGBW: 158 Lumens
Color Temp	2700K, 3000K	WW/RGBW
CRI	80+	80+
Lifespan	50,000 Hrs.	50,000 Hrs.
Finishes	Antique	Antique
Housing Material	Brass	Brass
Wet Rated?	IP68	IP68
Light Source	Integrated LED	Integrated LED

### WARNING – To reduce the risk of FIRE OR INJURY TO PERSON:

- Turn off/unplug the fixture and allow to cool before handling; making any adjustments or repairs or replacing the integrated light module.
- Integrated light module gets HOT quickly. Only touch the switch/plug when turning on.
- Do not touch the lens, guard, or enclosure when hot.
- Keep integrated light module away from materials that could ignite/ combust/ burn.
- Do not touch the integrated light module chip at any time. Use a soft cloth. The oils from skin could damage LED.

### WARNING – Risk of Electric Shock:

- Install in accordance with all local codes and ordinances.
- A fixture shall not use tungsten halogen lamps unless the luminaire is marked for such lamps.

### IMPORTANT

#### TRANSFORMER

- Install in accordance with all local codes and ordinances.
- Only use a UL1838 transformer for safety reasons and to ensure full lifespan of the fixture.
- Ensure that the transformer is plugged in to a GFCI protected circuit.

## FIXTURE

### (DO NOT EXCEED 15 VOLTS INPUT)

- Install in accordance with all local codes and ordinances.
- This fixture functions best when the incoming voltage is between 10–15 volts. Voltages outside of this range could damage the fixture, shorten the life, and cause unsatisfactory performance. The use of improper voltage voids the product warranty.

## LOW VOLTAGE CABLE

- Install in accordance with all local codes and ordinances.
- Be protected by routing near the luminaire, or next to a building structure such as a house or deck.
- Not be buried except for a maximum of 6 inches (15.2 cm) to connect to the main low voltage cable.
- Have the length cut off so that it is connected to a connector within **6 inches (15.2 cm) from a building structure, a luminaire, or fitting.**

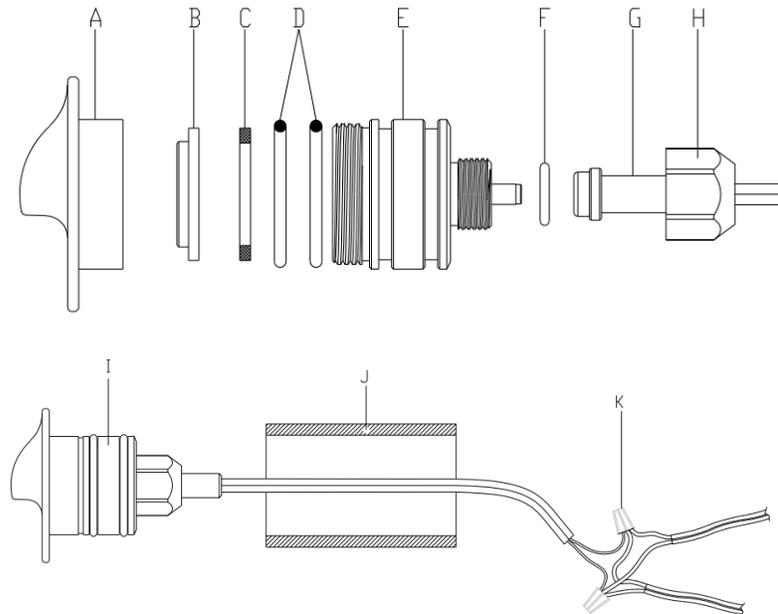
It is ***not recommended*** to use Quick Clip style connectors because they are not waterproof and can rot creating resistance and shorts. Only use outdoor rated waterproof wire connectors. Install in accordance with all local codes and ordinances.

## LED LIFE

- For maximum light output, adjust lighting circuits to provide between 10-15 volts.
- Voltage can be regulated by adjusting circuit load/run.
- To determine circuit voltage, use a digital voltmeter at the fixture.

## INSTALLATION

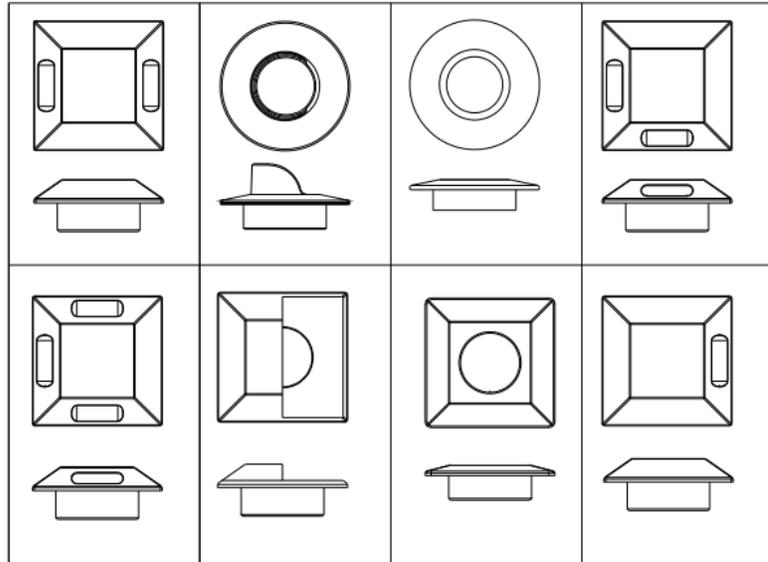
### *Recessed Installation*



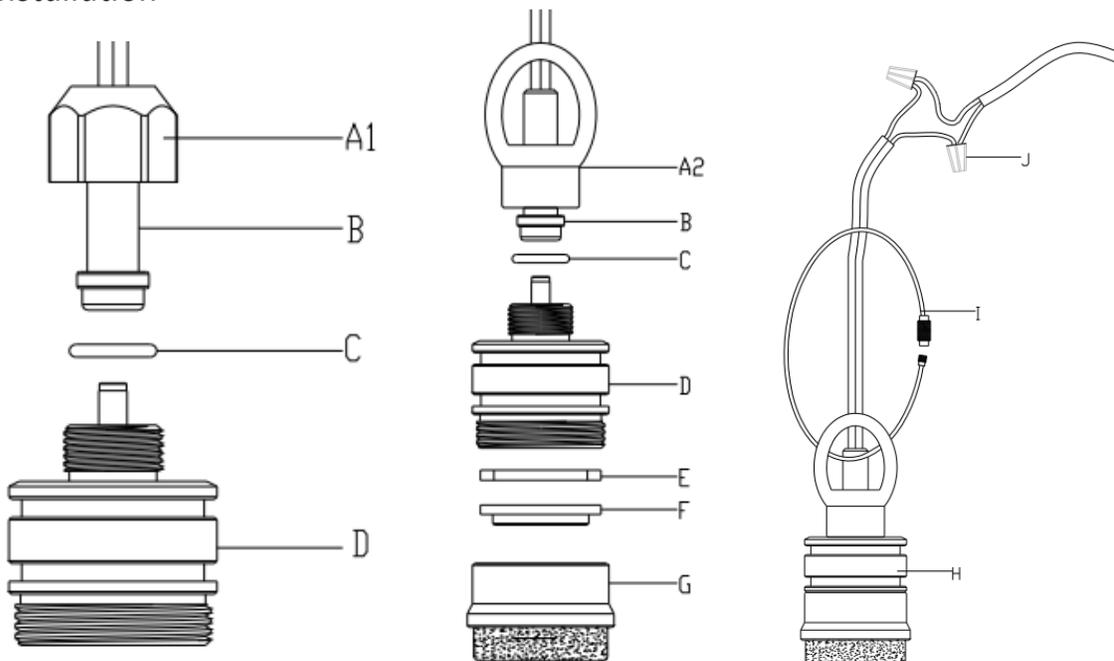
A – Recessed Cap B- Glass Lens C – Silicone Insert D- O-Ring E- LED Module F- O-Ring  
G- Female Connector H- Lock Nut I- Assembled Fixture J- PVC Pipe K- Waterproof Wire Nuts

## Installation Procedure

- Assemble A,B,C,D,E,F, and G into fixture according to the diagram (I).
- Choose the appropriate PVC pipe (J) (Not Included).
- Pull the wire out of the PVC pipe (J) and connect the fixture to the main line with a waterproof connector (K) (not included).
- Insert the fixture (I), into the PVC Pipe (J).
- For PRO modules, follow the instruction on our LumienPRO's remote control.



## *Hanging Installation*

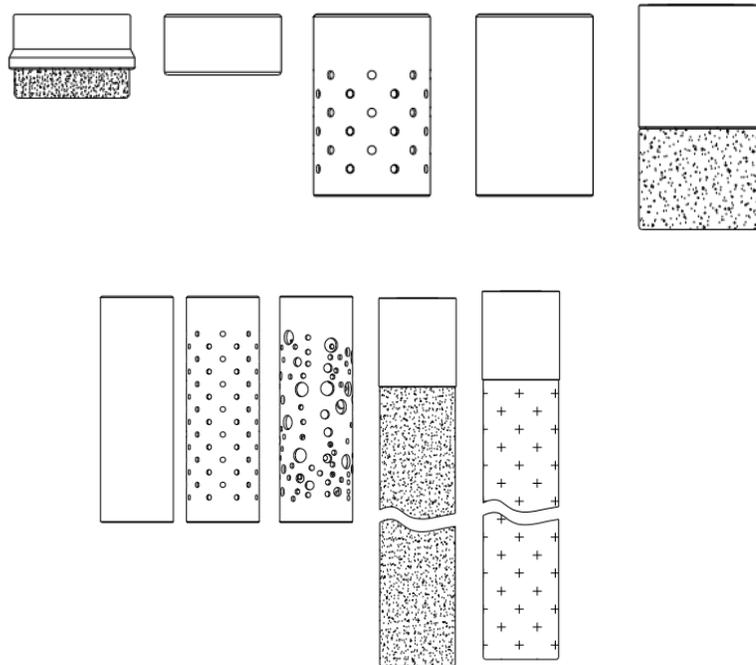


A1- Lock Nut A2- Ring Mount B - Female Connector C-O-Ring D- LED Module E- Silicone Insert F- Glass Lens  
G – Short Glass Shroud H- Assembled Fixture I- Stainless steel Wire J- Waterproof Wire Nuts

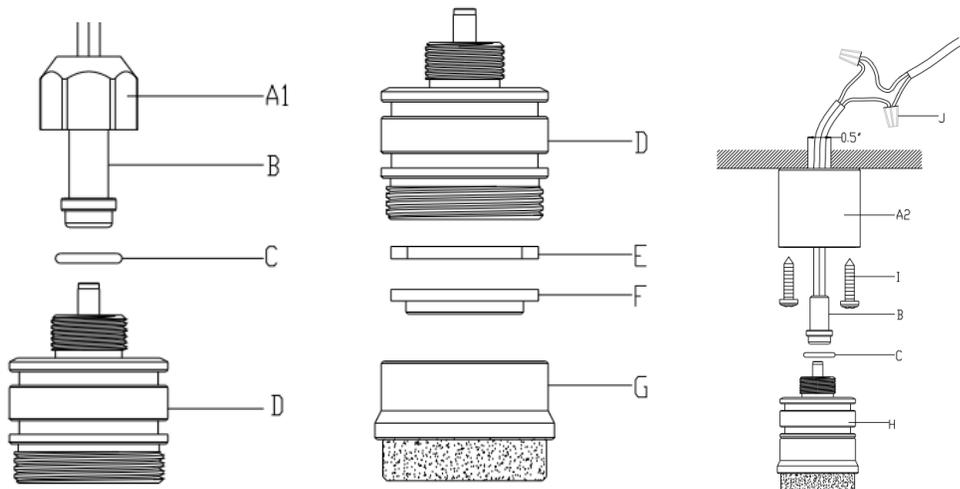
## **Installation Procedure:**

- Remove Lock Nut (A1) and replace with ring mount (A2) for hanging installation.
- Assemble A2, B, C, D, E, F, G into fixture according to the diagram (H).
- Fixture should always have the light source facing downward. Using the desired metal cable (I), loop the cable around the top eyelet and secure as shown above.
- Connect fixture wires to main low voltage supply cable using outdoor rated waterproof (J) wire nuts.
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## ***Optional Shades***



## ***Surface Installation***

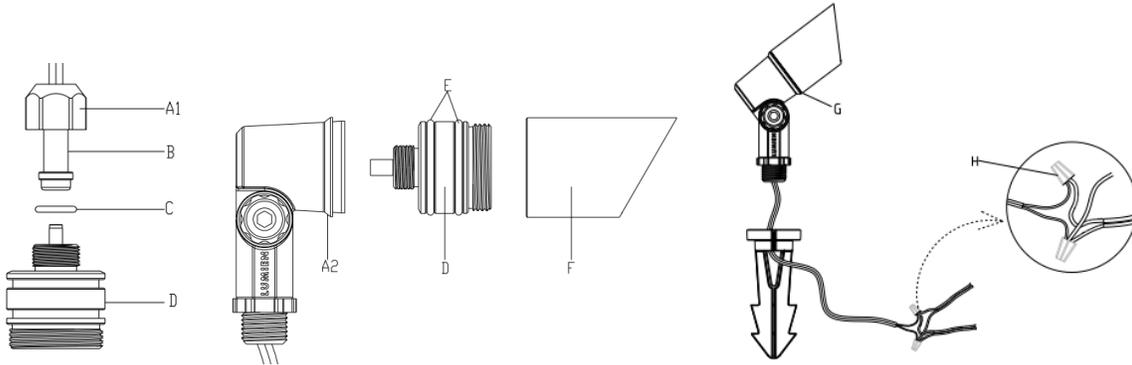


A1- Lock Nut A2- Mounting Base B - Female Connector C- O-Ring D- Module Housing E- Silicone Insert F- Glass Lens G – Short Glass Shroud H- Assembled Fixture I-Screws J- Waterproof Wire Nuts

## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the module (D).
- Assemble C, D, E, F, G into fixture according to the diagram (H).
- Pre-drill a 1/2 inch hole.
- Pull the female connector (B) through the mounting base (A2).
- Use provided screws (I) to adhere the mounting accessory (A2) to the surface.
- Screw the fixture (H) counterclockwise into the surface mount accessory (A2).
- Connect fixture wires to main low voltage supply cable using outdoor rated waterproof wire nuts (J).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## *Spot Light Installation:*

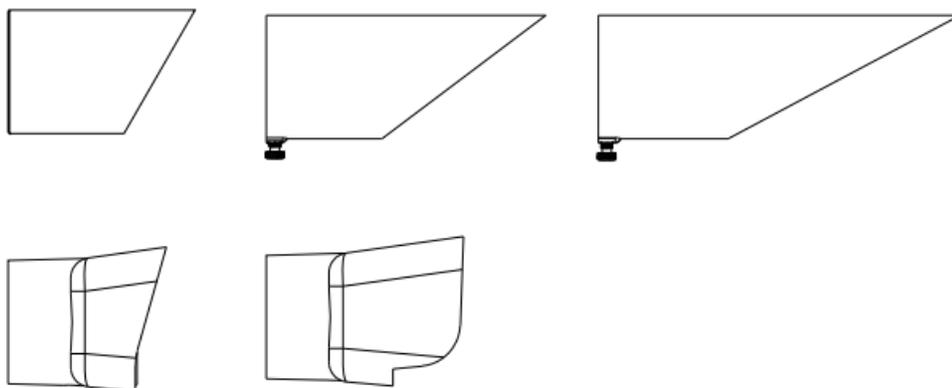


A1- Lock Nut A2- Knuckle B - Female Connector C- O-Ring D- LED Module E- O-Ring F- Spot Light Shade  
G – Assembled Fixture H- Waterproof Wire Nuts

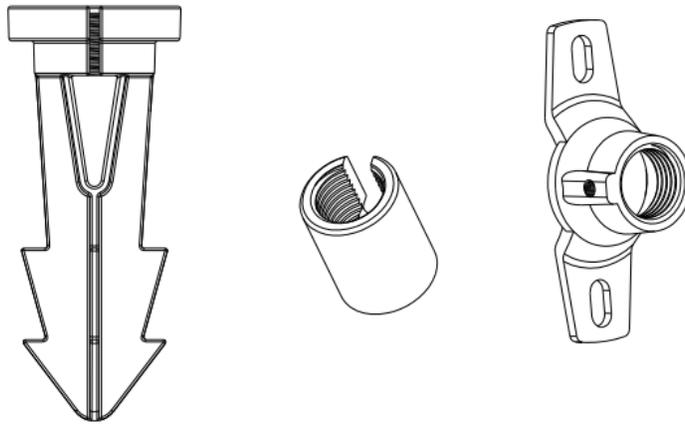
## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the module (D), and remove the wire (B) and O-Ring (C).
- Assemble A2, D, E, F, into fixture according to the diagram (G).
- Connect fixture wires to main low voltage supply cable using outdoor rated waterproof wire nuts (H).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

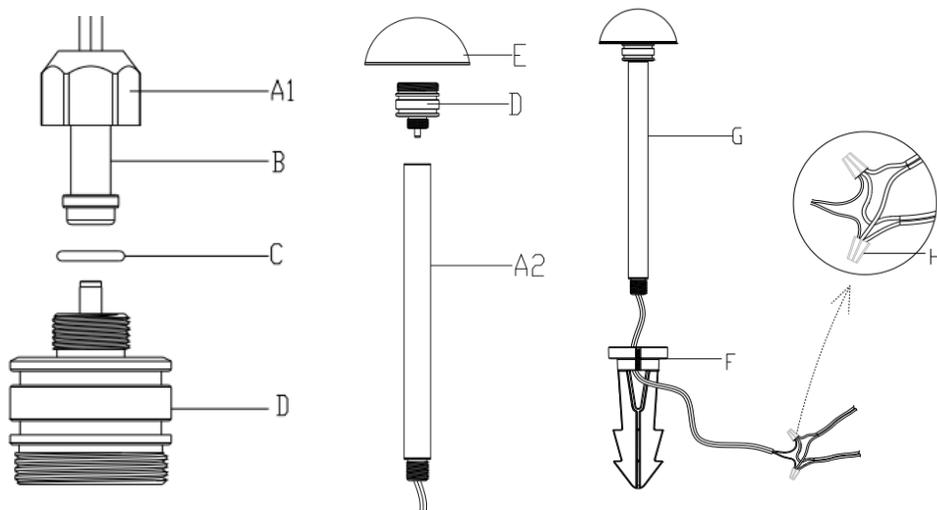
## Optional Shades



## Mounting Accessories



## *Path Light Installation*

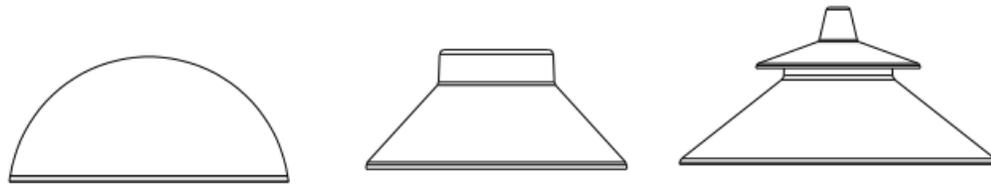


A1- Lock Nut A2- Riser B- Female Connector C- O-Ring D- LED Module E- Hat F- Spike  
G – Assembled Fixture H- Waterproof Wire Nuts

## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the module (D), and remove the wire (B) and O-Ring (C).
- Assemble A2, D, E into fixture according to the diagram (G).
- Pass the fixture wire through the gap of the spike (F), then screw the spike to the light fixture (G).
- Connect fixture wires to main low voltage wire using outdoor rated waterproof wire nuts (H).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

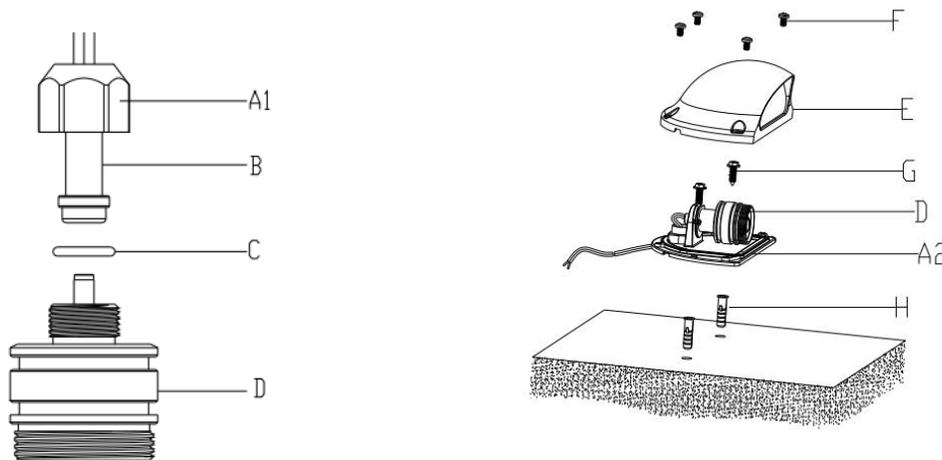
## Optional Caps



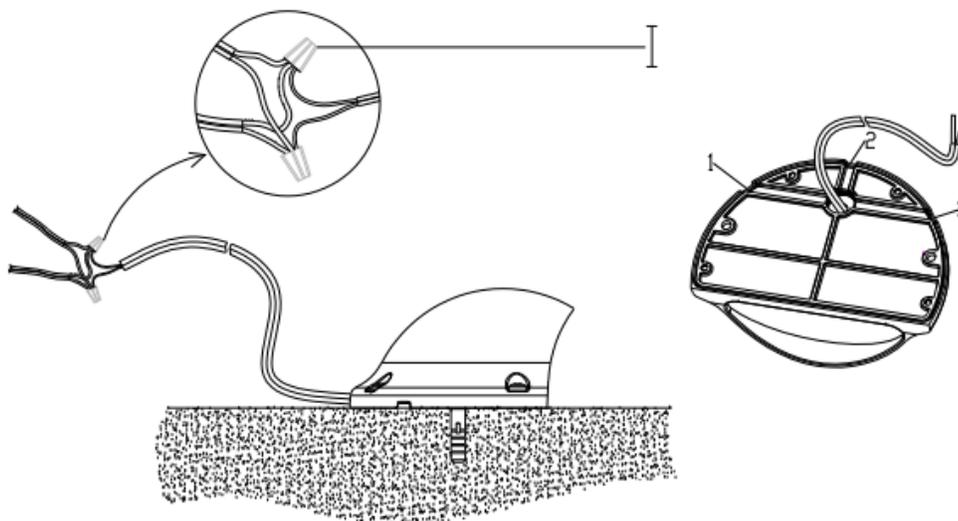
## Shell Enclosure Installation

Depending on the application, you can choose the following three different installation methods:

### Application 1: Hard Surface Mounting



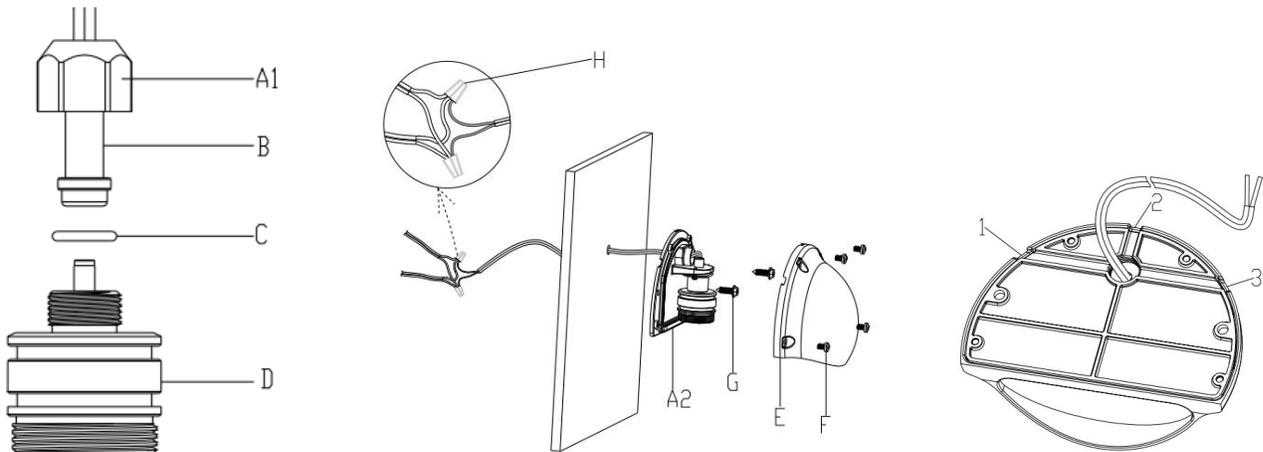
A1- Lock Nut A2- Mounting Base B- Female Connector C- O-Ring D- LED Module E- Fixture Cover F- Securing Screws G – Mounting Screws H- Anchors I- Waterproof Wire Nuts



## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the LED module (D), and remove the female wire (B) and O-Ring (C).
- Unscrew (F), remove the fixture cover (E), and screw the LED module (D) to the mounting base (A2) counterclockwise.
- Drill holes on the hard surface and press the anchors (H) into the holes (the package does not include this accessory).
- Fix the base (A2) to the surface with screws (G) (the package does not include this accessory).
- Connect fixture wires to main low voltage wire using outdoor rated waterproof (H) wire nuts.
- Then use screws (F) to fix the fixture cover (E) onto the mounting base (A2).
- The power wire can be fixed in a variety of ways on site. (See 4<sup>th</sup> diagram above).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

### Application 2: Wall Installation

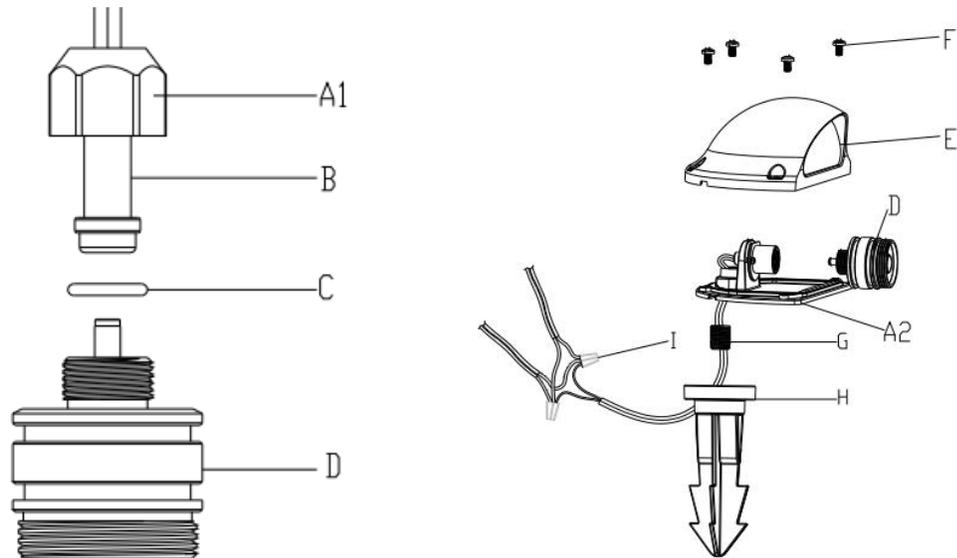


A1- Lock Nut A2- Mounting Base B - Female Connector C- O-Ring D- LED Module E- Fixture Cover F- Securing Screws  
G – Mounting Screws H- Waterproof Wire Nuts

## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the LED Module (D), and remove the female wire (B) and O-Ring (C).
- Unscrew securing screws (F), remove the fixture cover (E), and screw the LED Module (D) to the mounting base (A2) counterclockwise.
- Drill a hole into the wall and feed wire through the hole.
- Fix the mounting base (A2) to the surface with mounting screws (G) (the package does not include this accessory).
- Connect fixture wires to main low voltage wire using outdoor rated waterproof (H) wire nuts.
- Then use securing screws (F) to attach the fixture cover (E) onto the mounting base (A2).
- The power wire can be fixed in a variety of ways on site. (See 3<sup>rd</sup> diagram above)
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## Application 3: In-Ground Installation

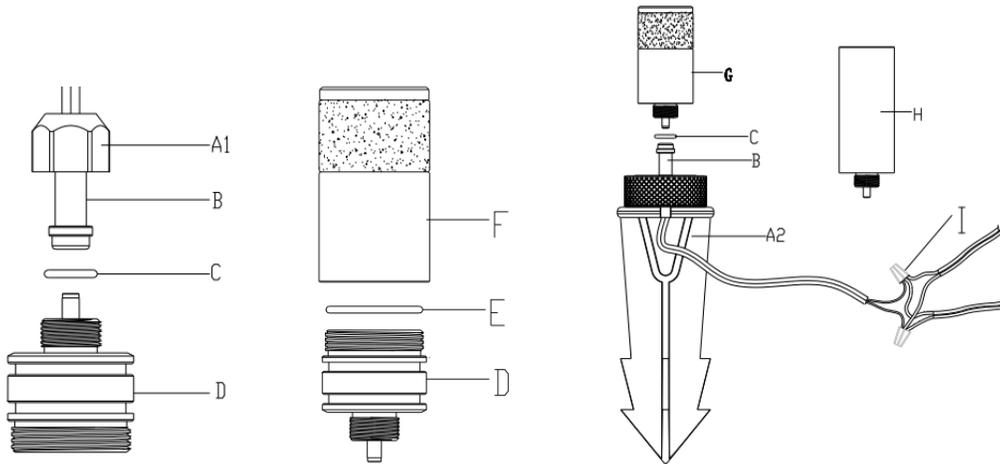


A1- Lock Nut A2- Mounting Base B - Female Connector C- O-Ring D- LED Module E- Fixture Cover  
F- Securing Screws G- Nipple (1/2" NPT) H- Spike I- Waterproof Wire Nuts

### Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the LED Module (D), and remove the female wire (B) and O-Ring (C).
- Unscrew securing screws (F), remove the fixture cover (E), and screw the LED Module (D) to the mounting base (A2) counterclockwise.
- Use securing screws (F) to attach the fixture cover (E) onto the mounting base (A2).
- Pass the power wire through the included nipple (1/2" NPT) (G) and screw (G) into the hole of mounting base (A2) . Then screw assembled fixture to spike (H). (spike is not included)
- Prepare a hole in the installation location. Make sure the hole is not larger than the ground spike.
- Install the fixture in the ground and connect fixture wires to main low voltage wire using outdoor rated waterproof wire nuts.
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## 360° Bollard Installation:

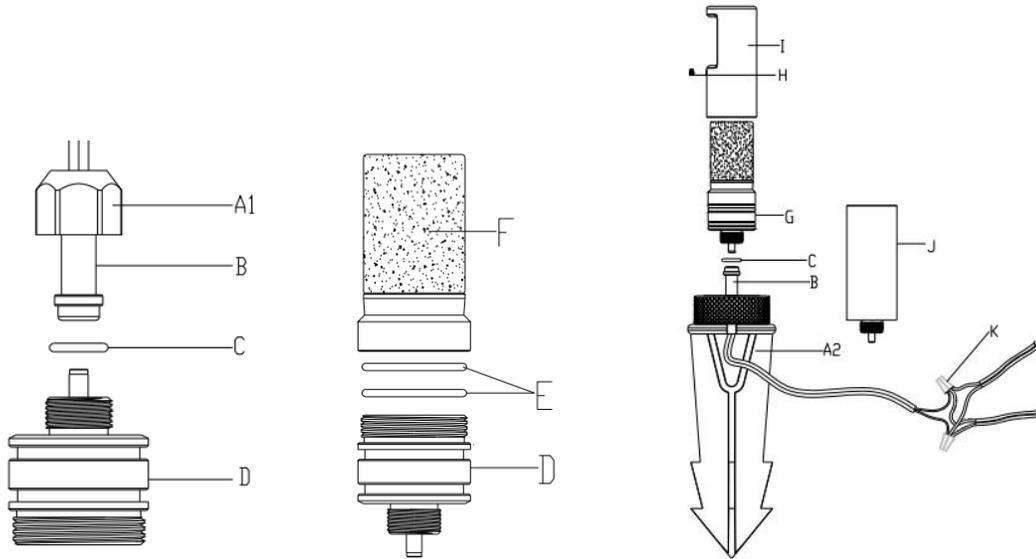


A1- Lock Nut A2- Quick Connect Spike B - Female Connector C- O-Ring D- LED Module E- Module O-Ring  
F- 360° Glass Bollard Component G – Assembled 360° Glass Bollard H- Quick Connect Bollard Riser I- Waterproof Nuts

## Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the LED Module (D), and remove the female wire (B) and O-Ring (C).
- Assemble D, E, and F into fixture according to the diagram (G).
- Pass the female cable (B) out of the quick-connect plastic spike (A2), put on the O-Ring (C), and then connect the Assembled 360° Glass Bollard (G) to the quick-connect plastic spike.
- Prepare a hole in the installation location. Make sure the hole is not larger than the ground spike.
- Install the fixture in the ground and connect fixture wires to main low voltage wire using outdoor rated waterproof wire nuts.
- If the Assembled 360° Glass Bollard needs to be heightened, you can choose different lengths of quick-connect extension rods (H).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## 90° Glass Bollard Installation

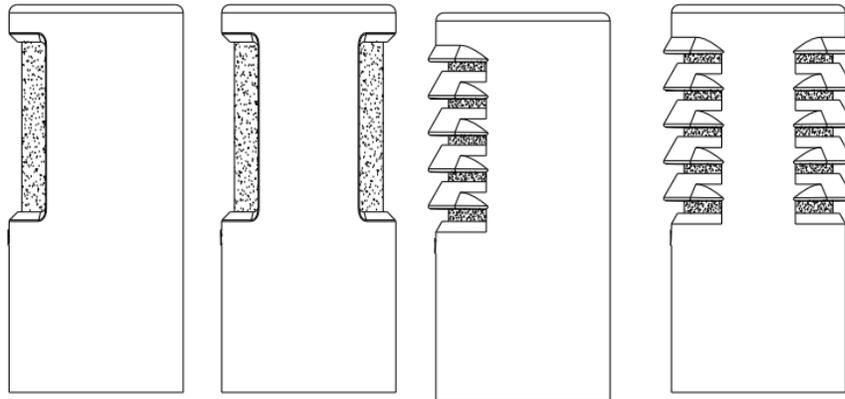


A1- Lock Nut A2- Quick Connect Spike B - Female Connector C- O-Ring D- LED Module E- Module O-Ring  
 F- 90° Glass Bollard Component G – Assembled 90° Glass Bollard H- hexagonal screw  
 I- Single-Sided 90° Opening Bollard Cover J- Quick Connect Bollard Riser K- Waterproof Wire Nuts

### Installation Procedure:

- Before installation, unscrew the lock nut (A1) counterclockwise from the LED Module (D), and remove the female wire (B) and O-Ring (C).
- Assemble D, E, F, into fixture according to the diagram (G).
- Pass the female cable (B) out of the quick-connect plastic spike (A2), put on the O-Ring (C), and then connect the Assembled 90° Glass Bollard (G) to the quick-connect plastic spike.
- Insert the single-Sided 90° Opening Cover (I) into Assembled Single-Sided 90° Opening Fixture (g), adjust it to the light-emitting direction you want, and fasten it with the hexagonal screw (H)
- Prepare a hole in the installation location. Make sure the hole is not larger than the ground spike.
- Install the fixture in the ground and connect fixture wires to main low voltage wire using outdoor rated waterproof wire nuts.
- If the Assembled 90° Glass Bollard needs to be heightened, you can choose different lengths of quick-connect extension rods (J).
- For PRO modules, follow the instruction on our LumienPRO's remote control.

## Optional Caps



## LIMITED WARRANTY

### WHAT IS COVERED

The manufacturer warrants this lighting fixture to be free from defects in materials and workmanship from date of purchase for a period of ten (10) years for Aluminum and Lifetime for Brass. This warranty applies only to the original consumer purchaser and only to products used in normal use and service. If this product is found to be defective, the manufacturer's only obligation, and your exclusive remedy, is the repair or replacement of the product at the manufacturer's discretion, provided that the product has not been damaged through misuse, abuse, accident, modification, alteration, neglect, or mishandling.

### WHAT IS NOT COVERED

This warranty shall not apply to any product that is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product. This warranty shall not apply to a failure of the product because of an accident, misuse, abuse, negligence, alteration, faulty installation, or any other failure not relating to faulty material or workmanship. This warranty shall not apply to the finish on any portion of the product, such as surface and/or weathering, finish defects or fusing of the metals are considered normal wear and tear due to proximity to harsh environments; this includes but is not limited to coastal areas, ground water (minerals and impurities) and chemicals used in the landscape. The manufacturer does not warrant and especially disclaims any warranty, whether expressed or implied, of fitness for a purpose, other than the warranty contained herein. The manufacturer specifically disclaims any liability and shall not be liable for any consequential or incidental loss or damage, including but not limited to any labor/expense costs involved in the replacement or repair of said product.