

Model No. PWRF20-4K-BZ  
Mfr. SKU 103-04400005-1

**PROBRITE™**

**POWERFLOOD LED  
ARCHITECTURAL  
FLOOD LIGHT**

**INSTALLATION,  
USAGE, & CARE GUIDE**



**Questions? / Missing Parts? / Need Accessories?**

Before returning to the store, call or email PROBRITE  
Customer Service 9am-5pm EST Monday to Friday.

**1-844-507-5651**

**support@PROBRITE.com**

**PROBRITE.COM**

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*Visit us online anytime or call us to get information on our product range, download detailed spec & photometric files, find product and mounting accessories, view installation tutorials and videos, and learn about our DLC® rebate eligible products.*

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## Safety Information


### IMPORTANT


THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE NATIONAL ELECTRICAL CODE AND LOCAL BUILDING CODES BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.


### PRECAUTIONS


- Please read and understand this entire manual before attempting to assemble, install, or operate this light fixture.
- This light fixture requires a 120-277Volt AC power source.
- Some codes require installation by a qualified electrician.
- This light fixture must be properly grounded.
- Make sure connections are secure using wire nuts, crimp-on lugs or other approved connecting devices
- This light fixture should be installed outdoors to a wall or to the ground.
- This product may contain chemicals known to be hazardous. Thoroughly wash hands after installing, handling, cleaning or otherwise touching the product.

 **WARNING:** Turn the power off at the circuit breaker or fuse. Place tape over the circuit breaker switch and verify power is off at the light fixture.

 **WARNING:** Risk of fire. Keep the lamp heads at least 3 in. (76mm) from combustible materials.

 **CAUTION:** Burn hazard. Allow the light fixture to cool before touching.

 **NOTICE:** Do not connect this fixture to a dimmer switch.

 **NOTICE:** FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authorization to operate this equipment.



**INFORMATION:** The device is tested and found to comply with Part 15 of the FCC Rules. Operation is subject to two conditions: (1) This device may not cause harmful interference and, (2) this device must accept any interference received, including any interference that may cause undesired operation.

These limits are designed to provide reasonable protections against harmful interference when the equipment is operated in a commercial environment.

## Pre-Installation

### PLANNING INSTALLATION

Before installing the light fixture, ensure that all parts are present. Compare parts with the *Hardware Included* and *Package Contents* sections. If any part is missing or damaged, do not attempt to assemble, install, or operate this light fixture.

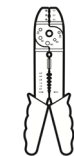
Estimated installation time: 20 minutes

### SPECIFICATIONS

<b>Lumens (Light Output)</b>	2000 Lumens
<b>Watts (Power Consumption)</b>	20 Watts LED
<b>Replaces</b>	70 Watt Metal Halide
<b>Lumens/Watts (Efficacy)</b>	100 lumens per watt
<b>Power Requirements (Input Voltage)</b>	120-277VAC
<b>Light Color (CCT)</b>	4000 Kelvins (Bright White)
<b>Dimmable</b>	Non-Dimming (Do not wire to dimming switch)
<b>Operating Modes</b>	<b>Switch-Activated:</b> Flip switch to turn light fixture ON and OFF. Use included light sensor cap on fixture's light sensor to utilize this mode setting.

### TOOLS REQUIRED

 Safety goggles



Wire strippers/  
cutters



Circuit tester



Silicone  
Sealant




Work  
gloves



Ladder

## Pre-Installation (continued)

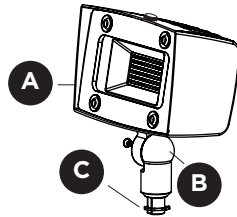
### HARDWARE KIT

 **NOTE:** Hardware *not* shown to actual size.




Part	Description	Quantity
AA	Wire nut	3
BB	Allen key	1

### PACKAGE CONTENTS



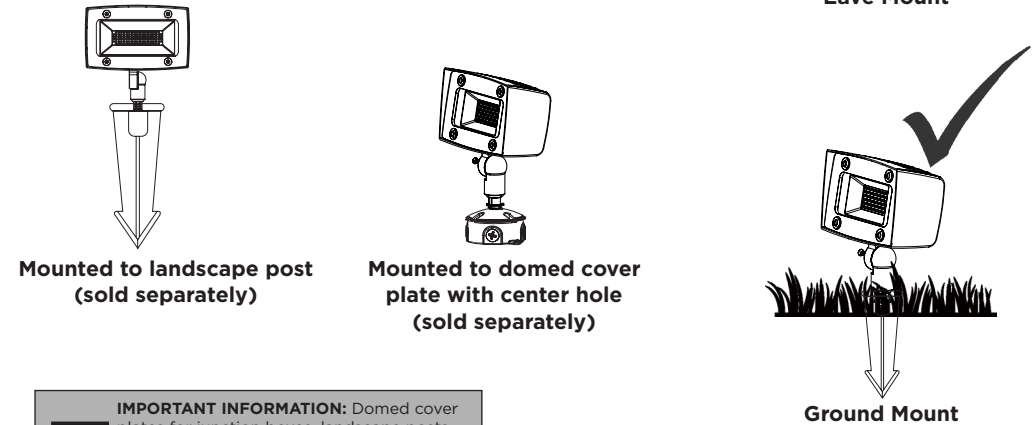
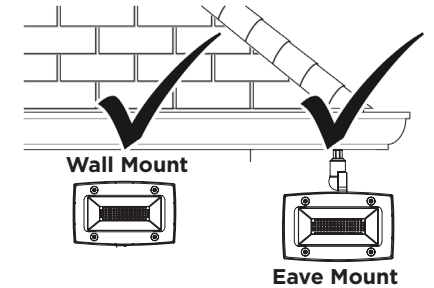
Part	Description	Quantity
A	Light fixture	1
B	1/2" Swivel NPS threaded knuckle mount	1
C	Knuckle mount tightening washer	1


 **NOTE:** The junction box cover plate is not provided in the box. It is available separately with your retailer.

## Installation

### 1 For best results

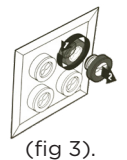
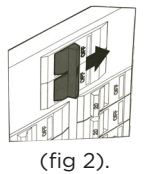
- The fixture must be mounted using the **Swivel Knuckle** into a domed cover plate (not provided) on a junction box or via a landscape post (sold separately).
- When installing two fixtures on one switch, make sure the switch is rated for at least a 1A inductive load.
- If using a dimming switch, use a 0-10V dimmer.



 **IMPORTANT INFORMATION:** Domed cover plates for junction boxes, landscape posts, and other mounting arms and accessories are available. Please contact your retailer or PROBRITE's customer support.

### 2 Shut electric power off

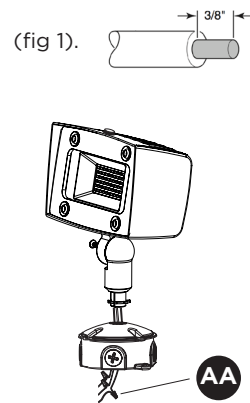
- At wall switch verify it is in the off position (fig 1).
- At the main electrical panel turn off the circuit breaker that supplies power to the outlet box you are working on (fig 2).
- For screw-in type fuses unscrew the fuse that supplies power to the outlet box you are working on (fig 3).



## Installation (continued)

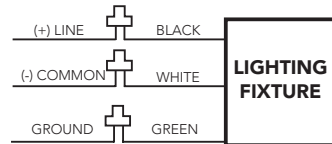
### 3 Making the electrical connections

- If necessary, strip 3/8" of insulation from junction box or fixture (A) wires (fig 1).
- Thread the wire through the domed cover plate of the junction box (not provided) or landscape post (not provided).
- Make wiring connections into the junction box or post by following the wiring instructions below.



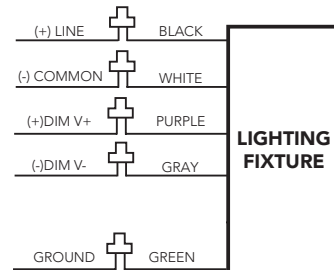
#### ON/OFF Wiring (Non Dimming) Method:

- Connect fixture black wire to house black wire, the (+) line, and fixture white wire to house white wire, the (-) common by twisting the exposed wires together and using the wire nuts (AA). Ensure no loose wires.
- Connect house ground wire to the green fixture ground wire, by twisting the exposed wires together and using the wire nuts (AA).



#### 0-10V Dimmable Wiring Method:

- Connect fixture black wire to house black wire, the (+) line, and fixture white wire to house white wire, the (-) common by twisting the exposed wires together and using the wire nuts (AA). Ensure no loose wires.
- Connect house ground wire to the green fixture ground wire, by twisting the exposed wires together and using the wire nuts (AA).
- Connect the purple wire to the (V+) DIM wire and the gray wire with (V-) DIM wire by twisting the exposed wire together and using the wire nuts (AA).



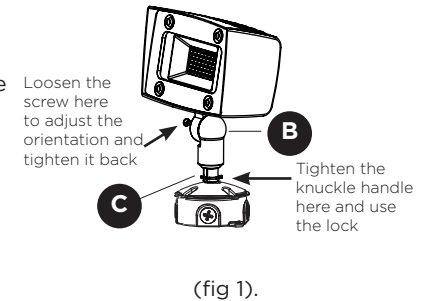
**TIP:** Hold stripped ends near each other and align any frayed strands (do not twist wires).

Push the wires into wire nut (AA) and use your fingers to twist the wire nut clockwise until tight. Check for tightness by pulling wires.

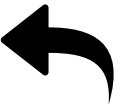
## Installation (continued)

### 4 Securing the fixture and adjusting orientation

- Secure the fixture to junction box or landscape post by inserting the threaded swivel knuckle mount (B) into the cover plate or landscape post. (Fig. 1)
- Place the locking washer on the inside of the domed cover plate and tighten the fixture to the plate
- If applicable, plug all unused holes and seal threads with silicone.
- Loosen the screw on swivel portion of the knuckle (B) using the provided allen key (BB), adjust the fixture to a suitable orientation, and then tighten the screw (C). (Fig. 1)



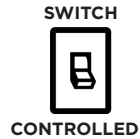
**TURN PAGE**  
For Operation Instructions



## Operation


### 1 Turning lights ON/OFF

#### SWITCH-CONTROLLED



Switch-controlled operation enables the light fixture to turn ON and OFF by flipping a standard light switch. To add automatic Dusk to Dawn control or motion sensing external sensors like a photo-control, motion-sensor or timer is required (*sold separately*).

- Once the fixture is installed, turn power back on from the circuit breaker and switch.
- Flip switch ON and OFF to ensure light functions properly.


 **NOTE:** This fixture is not dimmable, so it is best to not wire to a dimming switch.

## Care and Cleaning

- Shut off main power supply before cleaning the product. To prolong the original appearance, clean the light fixture with clear water and a soft, damp cloth only.
- Do not use abrasive cleaners or cleaners that contain alcohol. Do not apply paints, solvents, or any other chemicals on this light fixture. They could cause a premature deterioration of the finish and may void the warranty.
- Do not spray the light fixture with a hose or power washer.

## Troubleshooting

Problem	Possible Cause	Solution
<b>Light does not turn ON</b>	No power to the fixture	Check if circuit breaker is tripped Confirm wall switch is ON Verify wiring to fixture is correct (turn power off to fixture beforehand)
	Fixture is sensing daylight	Cover photocell. Wait several seconds until fixture turns ON.
<b>Light cycles ON and OFF continuously</b>	Photocell light sensor is sensing reflected light	Relocate light fixture to a location where there is no reflected light. OR place the optional photocell cover over the photocell light sensor and use the wall switch to turn the light ON and OFF.
<b>Light FLICKERS</b>	The light fixture is wired through a dimmer switch.	Do not use a dimmer switch to control the light fixture. Replace the dimmer with a standard ON/OFF wall switch.
<b>Light stays ON</b>	Light sensor is in a shaded area	Shine a flashlight into the light sensor and wait a couple minutes. If the light turns OFF, the fixture should be moved to a location with enough light in the daylight hours for the light sensor to work. OR place the optional opaque cover over the photocell light sensor and use the wall switch to turn the light ON and OFF.
	Light Sensor is faulty	If the light does not turn off when a flashlight is shined on the light sensor for a few minutes, then the sensor may be faulty. Please contact customer service.

 **NOTE:** Photocell (B) may have a few minute delay, to reduce it's sensitivity to sudden light changes. When testing shine a light/cover the photocell for a few minutes to check if fixture functions properly

## 5-Year Limited Warranty

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This is a limited warranty offered by Probrite for a period of five years from the date of purchase to its customers. Probrite warrants to customers that the products will be free from defects in material and workmanship. The obligation of Probrite under this warranty is limited to the provision of replacement of products and is extended to the original purchaser of the product on presenting valid purchase receipt or other proof of date of original purchase acceptable to Probrite. The receipt is required for rendering the warranty performance. Any warranty claims without original proof of purchase would not be accepted.

It should be noted that the warranty does not apply to Probrite products that have been altered or repaired by unauthorized personnel, have been subjected to neglect, abuse, misuse or accident or damages caused during shipping. Any other products not manufactured by Probrite which have been supplied, installed and/or used in conjunction with Probrite products are not covered under this warranty. Any damages caused by replacements bulbs, LEDs or corrosion or discoloration of brass components are also not covered by this warranty.

### **Limitation of Liability:**

In no event Probrite shall be liable for indirect, consequential, incidental or special damages, or lost profits. Probrite is not liable for any claims or damage arising out of or connected with the manufacture, sale, delivery, use, maintenance and repair or modification of Probrite products, or supply of any replacement parts that, exceed the purchase price of Probrite products giving rise to a claim. Labor charges to remove or install the fixtures will not be accepted.

### **To Claim:**

Please contact PROBRITE customer service at 1-844-507-5651 or email support@PROBRITE.com and include your name, address and contact number, along with a copy of the purchase receipt and a brief description of the problem.

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