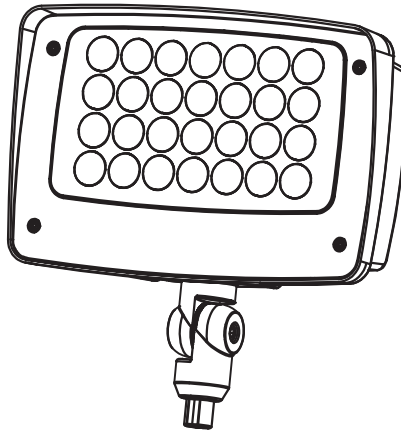


## POWERFLOOD X HIGH OUTPUT LED COMMERCIAL FLOOD LIGHT

### INSTALLATION, USAGE, & CARE GUIDE



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

Before returning to the store, call or email our  
Lighting Specialists 9am-5pm EST Monday to Friday.

**1-844-507-5651**

[support@probrite.com](mailto:support@probrite.com)

[www.probrite.com](http://www.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 120-277 Volt 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.

**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 fixture at least 3 in. (76mm) from combustible materials.

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

**NOTICE:** For dimming, connect to 0-10V dimming 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. Contact our customer care team for replacement parts.

## SPECIFICATIONS

<b>Lumens (Light Output)</b>	5000 Lumens	8000 Lumens	12,000 Lumens
<b>Watts (Power Consumption)</b>	45 Watts LED	70 Watts LED	100 Watts LED
<b>Replaces</b>	350W Incandescent	500W Incandescent	800W Incandescent
<b>Lumens/Watts (Efficacy)</b>	111 Lumens per watt	114 Lumens per watt	120 Lumens per watt
<b>Power Requirements (Input Voltage)</b>	120-277VAC		
<b>Light Color (CCT)</b>	4000 Kelvin (Bright White)		
<b>Dimmable</b>	Dimming (When used with a 0-10V dimming switch)		
<b>Operating Modes</b>	<p><b>Dusk-to-Dawn:</b> Automatically turns light fixture ON during night and OFF during day.</p> <p><b>Switch-Controlled:</b> Flip switch to turn light fixture ON and OFF. <i>Use included light sensor cap on fixture's light sensor to utilize this mode setting.</i></p>		

## TOOLS REQUIRED



Phillips  
screwdriver



Wire strippers/  
cutters



Circuit tester



Silicone  
sealant



Work  
gloves



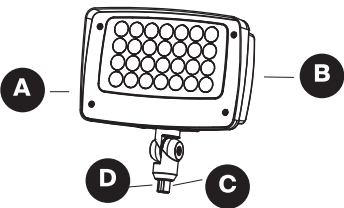
Ladder



Safety  
goggles

# Pre-Installation (continued)

## PACKAGE CONTENTS

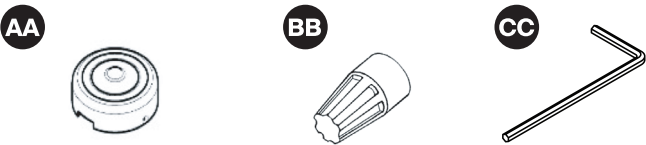


Part	Description	Quantity
A	Light fixture	1
B	Photocell	1
C	Knuckle mount tightening screw	1
D	1/2" Swivel NPS threaded knuckle mount	1

**NOTE:** Optional mounts are not included in the box. Additional mount accessories are available separately from your retailer.

## HARDWARE KIT

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



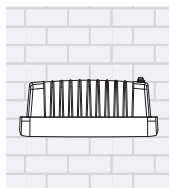
Part	Description	Quantity
AA	Clear Photocell Cover	1
BB	Wire nut	5
CC	Allen wrench	1



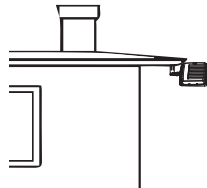
# INSTALLATION

## 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).
- ☐ If using a dimming switch, use a 0-10V dimmer.

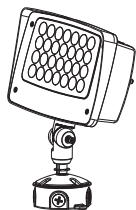


Wall Mount



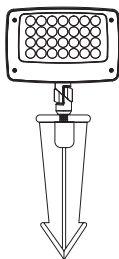
Eave Mount

(fig 1).



Mounted to junction box cover with 1/2-in. NPSM Pipe Thread (sold separately)

(fig 3).



Mounted to landscape stake with 1/2-in. NPSM Pipe Thread (sold separately)

(fig 4).



Ground Mount

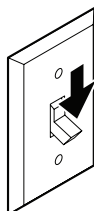
(fig 2).



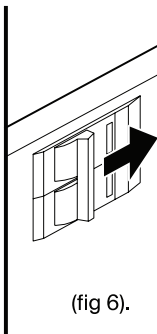
**IMPORTANT INFORMATION:** Domed cover plates for junction boxes, landscape posts, and other mounting arms and accessories are available. Please contact your retailer or PROBRITE's customer support.

## 2 SHUT OFF ELECTRIC POWER OFF

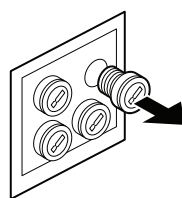
- ☐ Verify wall switch is in OFF position (fig 5).
- ☐ At the main electrical panel, turn off the circuit breaker that supplies power to the junction box you are working on (fig 6).
- ☐ For screw-in type fuses, unscrew the fuse that supplies power to the junction box you are working on (fig 7).



(fig 5).



(fig 6).

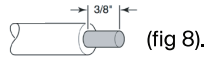


(fig 7).

## INSTALLATION (CONTINUED)

# 3 MAKE THE ELECTRICAL CONNECTIONS

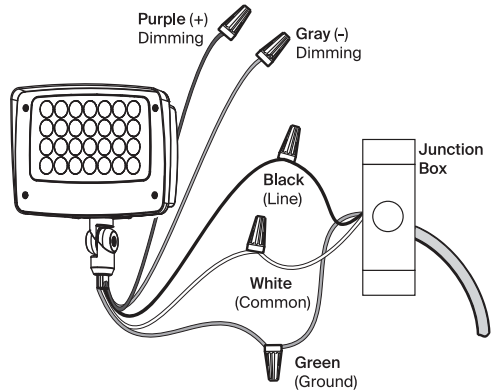
- If necessary, strip 3/8" of insulation from junction box and lighting fixture wires (fig 8).



### STANDARD NON-DIMMING WIRING DIAGRAM

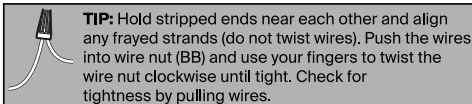
(Follow these steps when NOT wiring to a 0-10V dimmer)

- Connect lighting fixture black wire to junction box black wire (line), lighting fixture white wire to junction box white wire (common), and the lighting fixture green wire to the junction box ground wire (fig 9).
- **For the purple and gray fixture wires** either leave the wires unstripped or individually terminate fixture's purple and gray wires with wire nuts to prevent shorting (fig 9).



**Non-Dimming Wiring Diagram** (fig 9).

Follow this diagram when NOT wiring to a 0-10V dimmer

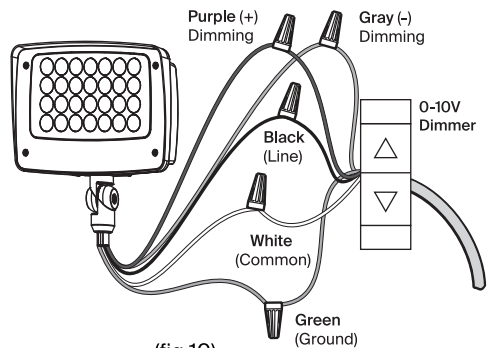


**NOTICE:** Leave Purple & Gray wires terminated & separated when NOT connecting to a 0-10V dimmer. **DO NOT** connect the purple and gray wires to any other wires unless wiring to a 0-10V dimmer.

### FOR ELECTRICAL WIRING TO 0-10V DIMMER

(Follow these steps when wiring to a 0-10V dimmer)

- Connect lighting fixture black wire to junction box black wire (line), lighting fixture white wire to junction box white wire (common), and the lighting fixture green wire to the junction box ground wire.
- For dimming, available when wiring to a 0-10V dimmer, connect the lighting fixture purple wire to the dimmer switch purple wire (+ DIM) and the lighting fixture gray wire to the dimmer switch gray wire (- DIM). (fig 10).



(fig 10).

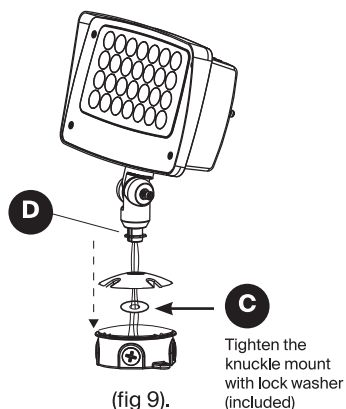
**Dimming Wiring Diagram**

Follow this diagram when wiring to a 0-10V dimmer

## INSTALLATION (CONTINUED)

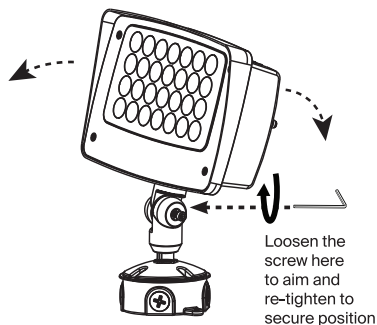
### 4 SECURE THE FIXTURE

- Secure the fixture to junction box or landscape post by inserting the threaded swivel knuckle mount (D) into the cover plate or landscape post. (fig. 9)
- Place the lock washer (C) on the the swivel knuckle mount inside the domed cover plate and tighten to secure the fixture to the plate.
- If applicable, plug all unused holes and seal threads with silicone.



### 5 AIM THE FIXTURE

- Loosen the screw on swivel portion of the knuckle (D) using the provided allen wrench (CC).
- Adjust the fixture to a suitable aiming position, and then tighten the screw (D). (fig 9)



## OPERATION

# 1 SELECT DUSK-TO-DAWN OR SWITCH CONTROLLED

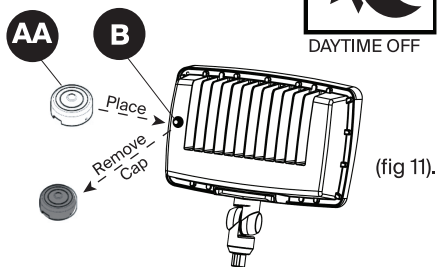
### OPTION 1: DUSK-TO-DAWN OPERATION

Dusk-to-dawn operation enables the light fixture to automatically turn ON when dark outside and turn OFF when the sun rises, thus saving you energy.

- ❑ To enable dusk-to-dawn operation remove black photocell cover and ensure the photocell (B) is unobstructed.
- ❑ Ensure the switch powering the light fixture is turned to the ON position and leave it ON at all times to enable automatic dusk-to-dawn operation.



**TIP:** To test if the light fixture and photocell work properly, run power to the fixture and cover the photocell to turn fixture ON. Shine a light into the photocell to see if fixture turns OFF.



(For dusk-to-dawn operation, remove the black cap and replace with the clear photocell cap)

**AUTOMATIC**

NIGHTTIME ON



DAYTIME OFF

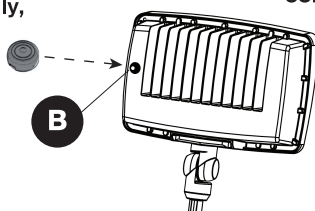


**NOTE:** If photocell is located in an area under heavy shade, the photocell may not detect enough light and may turn the light fixture on.

### OPTION 2: SWITCH CONTROLLED

Switch controlled operation enables the light fixture to turn ON and OFF by flipping a switch that controls the electricity to the junction box powering the fixture. The light fixture will not turn ON and OFF automatically, but is manually controlled.

- ❑ To enable switch activated operation leave the black photocell cover on the photocell.



(To disable the photocell, leave the black photocell cover on the photocell)

**SWITCH**



**CONTROLLED**

(fig 12).

## 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 black photocell cover over the photocell and use the wall switch to turn the light fixture ON and OFF.
<b>Light FLICKERS</b>	The light fixture is wired through an unsuitable dimmer	Replace the dimmer with a 0-10V dimming switch or a standard ON/OFF wall switch.
<b>Light stays ON</b>	Photocell is in a shaded area	Shine a flashlight into the photocell 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 photocell to work. OR Cover the photocell and use the wall switch to turn the light ON and OFF.
	Photocell is faulty	If the light does not turn off when a flashlight is shone on the photocell for a few minutes, then the photocell may be faulty. Please contact customer service.



**NOTE:** Photocell may have a few minutes delay during troubleshooting. When testing, shine a light and/or cover the photocell and allow a few minutes for fixture to function 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](mailto: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.



# PROBRITE®

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

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