

Model No. FSN50-PC-4K-WH
Mfr. SKU 103-08400002-1

PROBRITE™

**FUSION LED
WALLPACK/
FLOOD LIGHT KIT**

**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

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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

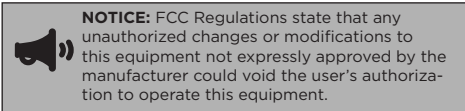
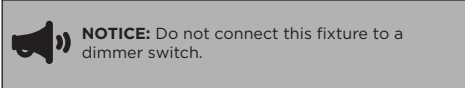
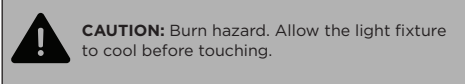
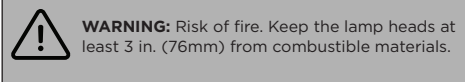
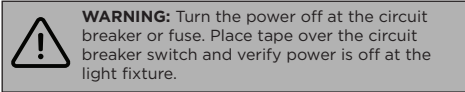
IMPORTANT

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.

Save these instructions



Pre-Installation

PLANNING INSTALLATION

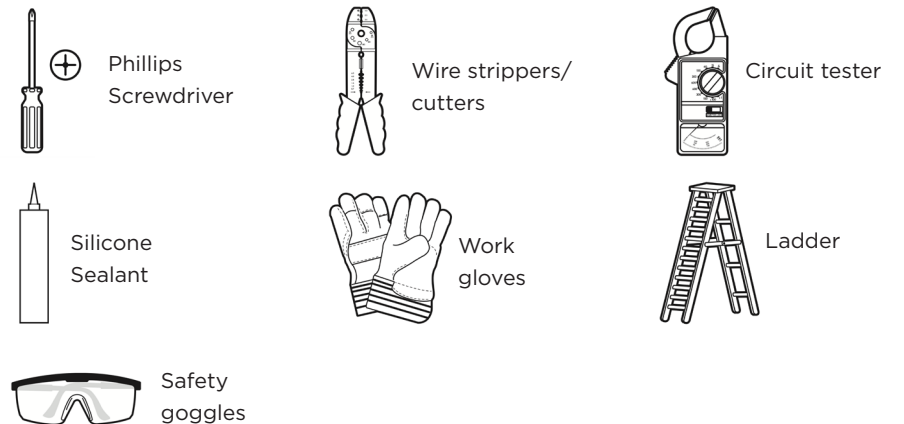
Before installing the light fixture, ensure that all parts are present. Compare parts with the *Hardware Included* and *Package Contents* sections. If any part is missing or damaged, do not attempt to assemble, install, or operate this light fixture.

Estimated installation time: 20 minutes

SPECIFICATIONS

MODEL	FUSION 50W
Lumens (Light Output)	5000 Lumens
Watts (Power Consumption)	50 Watts LED
Replaces	150 Watt Metal Halide
Lumens/Watts (Efficacy)	100 lumens per watt
Power Requirements (Input Voltage)	120-277VAC
Light Color (CCT)	4000 Kelvins (Bright White)
Dimmable	Non-Dimming (Do not wire to dimming switch)
Operating Modes	<p>Dusk-to-Dawn: Automatically turns light fixture ON during night and OFF during day.</p> <p>Switch-Controlled: Flip switch to turn light fixture ON and OFF. Use included light sensor cap on fixture's light sensor to utilize this mode setting.</p>

TOOLS REQUIRED

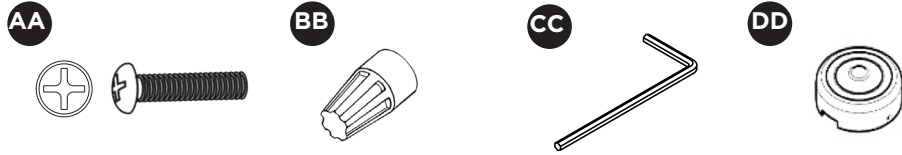


Pre-Installation (continued)

HARDWARE KIT

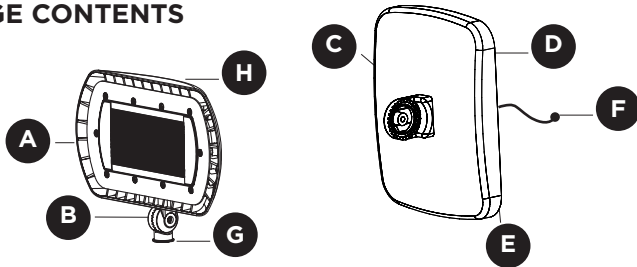


NOTE: Hardware *not* shown to actual size.



Part	Description	Quantity
AA	#8-32 x 3/4" philips mounting bracket screw	2
BB	Wire nut	3
CC	Allen key	1
DD	Photocell (light sensor) screw-on clear cap	1

PACKAGE CONTENTS



Part	Description	Quantity
A	Light fixture	1
B	1/2" NPS threaded knuckle mount handle	1
C	Wall/Eave mounting base plate	1
D	Universal junction box mounting plate	1
E	Mounting plate hex bolt	2
F	Hands-Free Hooking Wire	1
G	Tightening washer for knuckle mount	1
H	Photocell (light sensor) screw-on opaque cap	1

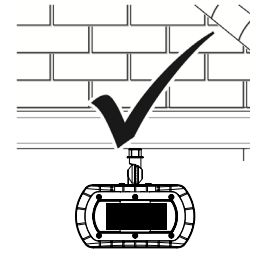


NOTE: The junction box cover plate is not provided in the box. It is available separately with your retailer.

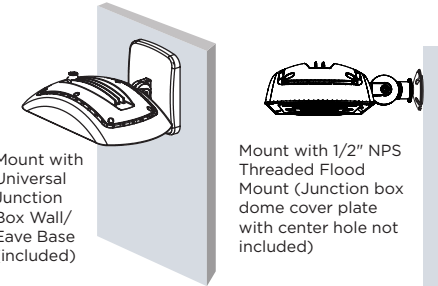
Installation

1 For best results

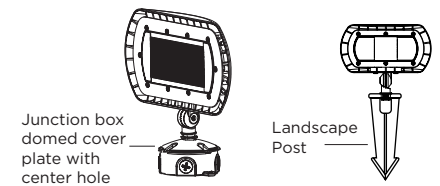
- Install light 8-20 feet above the ground for wall applications or on ground for flood application.
- The fixture can be mounted in multiple ways:
 - A. Wall/Eave Mount:** Using the wall mounting base (C) and the mounting plate (D) over a junction box.
 - B. Swivel Knuckle Flood Mount:** Can be used with a domed cover plate (not provided) on a junction box.
- When installing two fixtures on one switch, make sure the switch is rated for at least a 1A inductive load.
- Do NOT wire to a dimming switch.



Eave Mount (A or B Mount)



Wall Mount (A or B Mount)



Swivel Knuckle Flood Mount (B Mount)



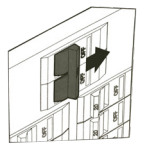
IMPORTANT INFORMATION: Domed cover plates for junction boxes, landscape posts, and other mounting arms and accessories are available. Please contact your retailer or PROBRITE's customer support.

2 Shut electric power off

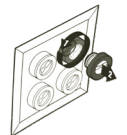
- At wall switch verify it is in the off position (fig 1).
- At the main electrical panel turn off the circuit breaker that supplies power to the outlet box you are working on (fig 2).
- For screw-in type fuses unscrew the fuse that supplies power to the outlet box you are working on (fig 3).



(fig 1).



(fig 2).



(fig 3).

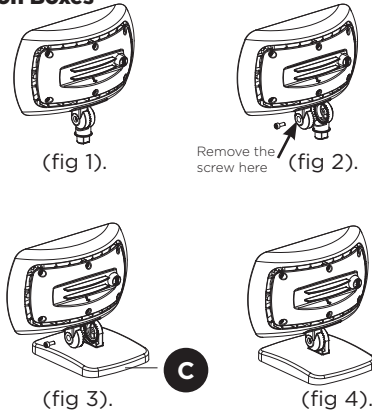
Installation (continued)

3A Installing Wall/Eave Mount Base (Optional if desired)

Wall/Eave Mount Base Set Up on Standard Junction Boxes

NOTE: The fixture comes with the knuckle handle (Fig. 1) and the wall mount base plate (C) is available separately within the box.

- Using allen key, remove the screw from the center of the knuckle handle as shown in fig. 2.
- Use the wall mount base plate (C), provided separately in the box, and thread wires through the hole of the plate, being careful not to pinch the wires.
- Place the fixture head in required orientation with the plate and tighten the screw on the knuckle which was removed earlier. (fig. 3).

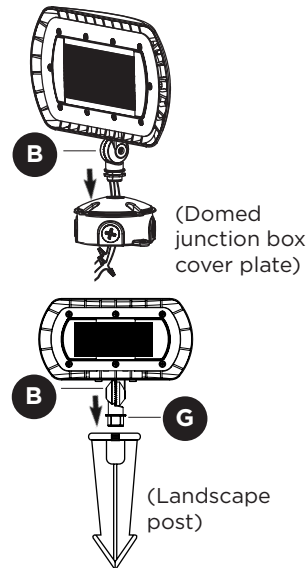


3B Installing with Swivel Knuckle Mount For mounting to domed junction box cover plate (sold separately) or landscape post (sold separately)

For Ground and Wall/Eave Mounting

NOTE: The fixture comes with the 1/2" threaded NPS swivel knuckle mount (B) and is compatible with standard domed junction box cover plates with a center hole or landscape posts

- Place wires through the hole in the domed junction box cover plate or landscape post.
- Place tightening washer on back side of domed cover plate.
- Screw 1/2" NPS threaded knuckle mount (B) into the center hole of the domed plate or landscape post and, if hole isn't threaded, use tightening washer (G) to tighten fixture into place.
- Use provided allen key (CC) to loosen bolt in center of knuckle mount and select desired angle. Tighten bolt to secure into place.



Installation (continued)

4A Removing the Mounting Plate from Wall Base and Fixing it on the Wall/Eave

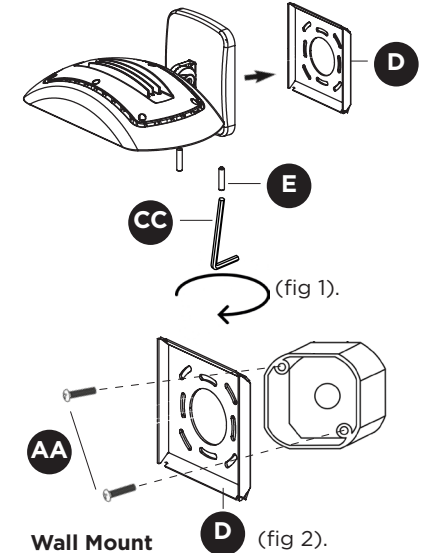
(Only Applicable for Wall/Eave Mount if using the base plate)

Wall / Eave Mount using the base plate

- Remove the mounting plate (D) from the back of the fixture by loosening the screws using the allen key (CC)(Fig. 1)
- Align the holes of the mounting plate with the "TOP" marking oriented upwards (or closest to wall if eave mounted) with the junction box on the wall and fix the mounting plate (D) on the junction box by using the two #8 screws (AA). (Fig. 2)

TIP: Only unscrew the tightening bolt (E) far enough to remove the mounting plate (D). Do not fully remove the tightening bolt (E).

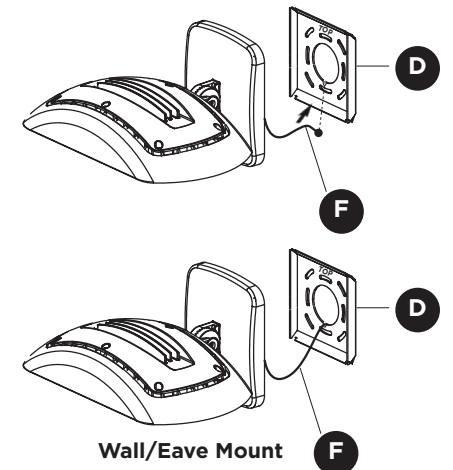
NOTE: Use any other suitable bolts or fasteners as applicable to your mounting surface.



5A Hooking Hands-Free Install Wire (For install with Wall/Eave Mount Base Plate Only)

- Take the round "ball" head of the hands-free wire (F), attached to back of base plate, and place it behind the bottom-center "notch" of the mounting plate (D)
- Ensure the fixture can now hang-free to allow for hands-free connection of the electrical wires

NOTE: After electrical connections are made un-hook the hands-free wire (F) and then mount the fixture onto the mounting plate (D).



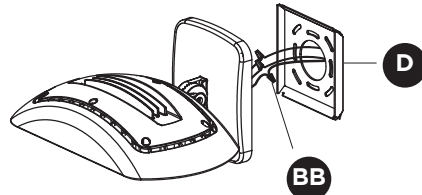
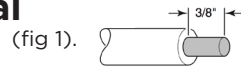
Installation (continued)

5A/B Making the electrical connections

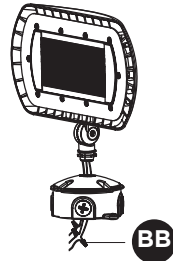
- If necessary, strip 3/8" of insulation from junction box or fixture (A) wires (fig 1).

Wiring Instructions

- 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 (BB). Ensure no loose wires.
- Connect house ground wire to the green fixture ground wire, which is attached to the mounting plate (D), by twisting the exposed wires together and using the wire nuts (BB).



Wall Mount

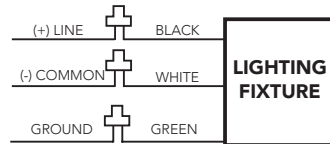


Swivel Knuckle Flood Mount



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

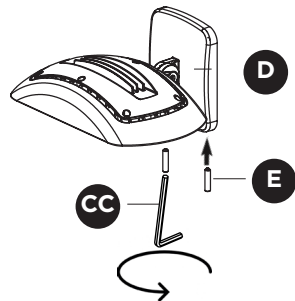
Push the wires into wire nut (BB) and use your fingers to twist the wire nut clockwise until tight. Check for tightness by pulling wires.



6A Securing the fixture and wiring

Wall/Eave Mount

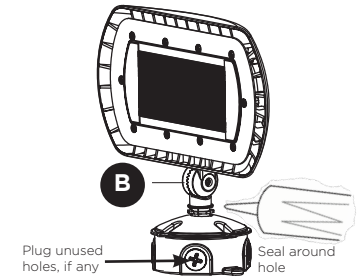
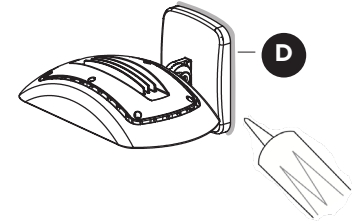
- Once the fixture is wired, place the fixture on the mounting plate and use the two screws (E) to tighten the fixture on the plate (D) by using the allen key (CC).



Installation (continued)

7A Caulking around the light fixture

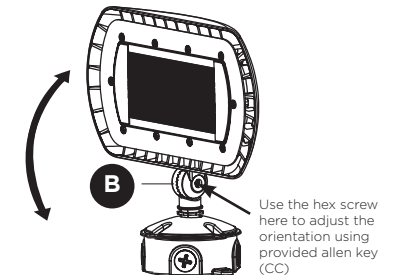
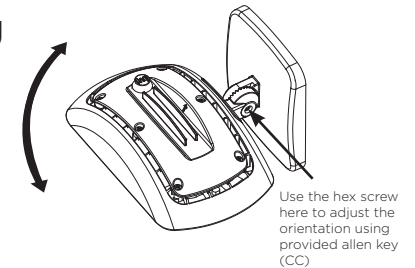
- Caulk around the mounting plate (D) and surface with silicone sealant (not included).
- If applicable, plug all unused holes and seal threads with silicone.



Swivel Knuckle Flood Mount

8A/B Adjusting the light head and testing

- Loosen the screw on swivel portion of the knuckle (B), adjust the fixture to a suitable orientation, and then tighten the screw.
- Restore power to the breaker and light switch and test if light turns on.



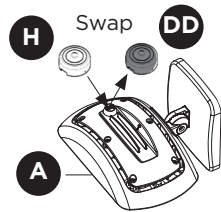
Operation

1 Selecting Dusk-to-Dawn or Switch-Activated control

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 cap cover (H) and ensure the photocell has clear cap cover (DD) on it and is unobstructed.
- Ensure the switch powering the outlet connected to the light fixture is turned to the ON position and *leave it ON* at all times to enable dusk-to-dawn functionality to operate automatically.



Remove Opaque Cap Cover (DD) and replace with Clear Cap Cover (H) on photocell for Dusk-to-Dawn Operation



TIP: To test if the light fixture (A) and photocell (B) works 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.

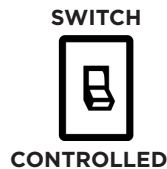


NOTE: If photocell (B) is located in an area under heavy shade the photocell may not detect enough light and may turn the light fixture on. Either move fixture to less shaded area or operate as normal switch-controlled

OPTION 2: SWITCH-CONTROLLED

Switch-controlled operation enables the light fixture to turn ON and OFF by flipping a standard light switch.

- 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.

Troubleshooting

Problem	Possible Cause	Solution
Light does not turn ON	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.
Light cycles ON and OFF continuously	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.
Light FLICKERS	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.
Light stays ON	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 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

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.

5-Year Limited Warranty

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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