PROBRITE®

RULER
LED TWIN HEAD FLOOD LIGHT

INSTALLATION,
USAGE, & CARE GUIDE

Questions? / Missing Parts? / Need Accessories?

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

1-844-548-3776

support@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.

TABLE OF CONTENTS

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 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 eave.

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

⚠ **WARNING:** Any changes or modifications to this unit not
expressly approved by the party responsible for compliance
could void the user's authority to operate the equipment.

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

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

FCC Compliance Statement: This device complies with
part 15 of the FCC Rules. Operation is subject to the following two
conditions: (1) This device may not cause harmful interference,
and (2) this device must accept any interference received,
including interference that may cause undesired operation.

NOTE : This equipment has been tested and found to comply
with the limits for a Class B digital device, pursuant to part 15 of the
FCC Rules. These limits are designed to provide reasonable
protection against harmful interference in a residential installation.
This equipment generates, uses and can radiate radio frequency
energy and, if not installed and used in accordance with the
instructions, may cause harmful interference to radio
communications. However, there is no guarantee that interference
will not occur in a particular installation. If this equipment does
cause harmful interference to radio or television reception, which
can be determined by turning the equipment off and on, the user is
encouraged to try to correct the interference by one or more of the
following measures:

—Reorient or relocate the receiving antenna.
—Increase the separation between the equipment and receiver.
—Connect the equipment into an outlet on a circuit different from
that to which the receiver is connected.
—Consult the dealer or an experienced radio/TV technician for help.

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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.

SPECIFICATIONS

Lumens (Light Output)	2000 Lumens	4000 Lumens
Watts (Power Consumption)	20 Watts LED	40 Watts LED
Replaces	150 W Halogen Bulb	250 W Halogen Bulb
Lumens/Watts (Efficacy)	100 Lumens per watt	
Power Requirements (Input Voltage)	120V	
Light Color (CCT)	2700-5000 Kelvin	
Dimmable	Non-Dimming (Do not wire to dimming switch)	
Operating Modes	**Motion-Sensing:** Automatically detects motion and turns the light fixture ON. **Switch-Controlled:** Flip switch to turn light fixture ON and OFF. *Cover fixture's light sensor to utilize this mode setting..*	

TOOLS REQUIRED

Phillips screwdriver

Wire strippers/ cutters
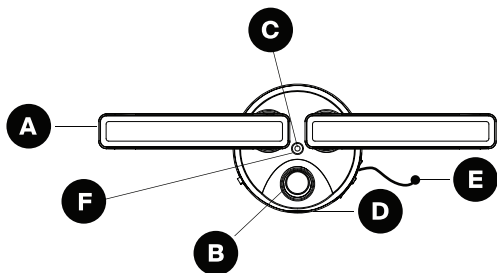
Circuit tester

Silicone sealant

Work gloves

Ladder

Safety goggles

PRE-INSTALLATION (CONTINUED)

PACKAGE CONTENTS

Part	Description	Quantity
A	Light fixture	2
B	Control sensor	1
C	Mounting plate set screw (pre-installed)	1
D	Mounting plate with gasket (pre-installed)	1
E	Hanger wire for hands-free installation (pre-installed)	1
F	Mounting screw cover plug	1

HARDWARE KIT

NOTE: Hardware *not* shown to actual size.

Part	Description	Quantity
AA	#8-32 x 3/4" Philips head screw	2
BB	Wire nut	3

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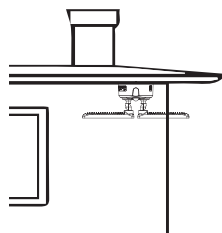
INSTALLATION

1 FOR BEST RESULTS

☐ Install light 8-15 feet above the ground.

☐ Do not mount fixture close to reflective surfaces such as windows, white walls, white surfaces and water.

☐ Do NOT wire to dimming switch.

☐ When mounting fixture, make sure the control sensor orientation is at the bottom for wall mount (fig 1) and away from building for eave mount (fig 2).

☐ When mounting to a wall, make sure the fixture is 7 in. on center away from eave and 13 inches on center away from inside corner of the exterior wall (fig 3).
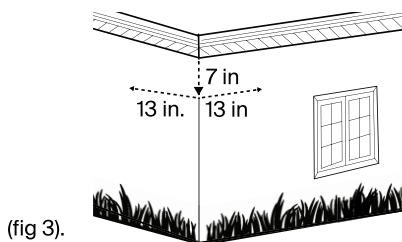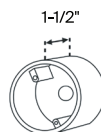
Wall Mount   **Eave Mount**
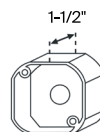
(fig 1).   (fig 2).
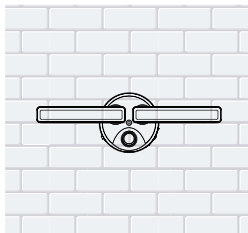
NOTE: Mounting plate (D) mounts to standard recessed junction boxes. Junction box must be at least 1-1/2 inch deep for proper surface mount installation (fig 4).

7 in
13 in.   13 in

(fig 3).

1-1/2"   1-1/2"

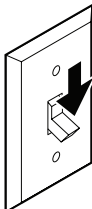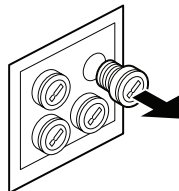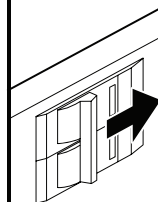(fig 4).   Round   Octagonal

2 SHUT 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 7).

☐ For screw-in type fuses, unscrew the fuse that supplies power to the junction box you are working on (fig 6).

(fig 5).   (fig 6).   (fig 7).

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INSTALLATION (CONTINUED)
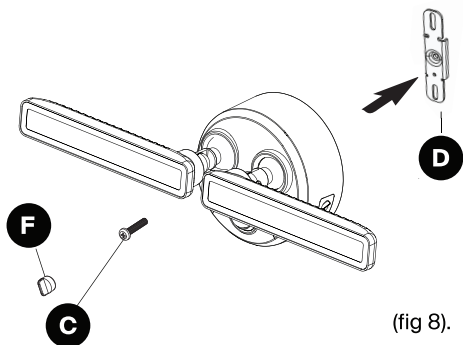
3 REMOVE THE MOUNTING PLATE

> **NOTE:** The mounting plate (D) come pre-assembled on the light fixture (A) for shipping.

> **NOTE:** The mounting plate set screw (C) comes pre-installed on the light fixture.

☐ Remove the mounting plate bracket (D) from the back of the fixture by removing the mounting screw cover plug (F) and then loosening the mounting screw (C) using a philips head screwdriver.

> **TIP:** Only unscrew the tightening screw (C) far enough to remove the mounting plate bracket (D). Do not fully remove the set screw (C).

(fig 8).

4 INSTALL THE MOUNTING PLATE

☐ Route the junction box wires through the large center hole in the mounting plate bracket (D).

☐ Align the holes on the mounting plate bracket (D) with the holes of the junction box. Use two #8 screws (AA) to attach the mounting plate bracket (D) to the junction box

(fig 9).

6
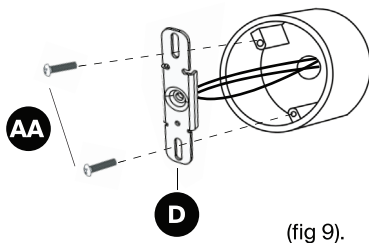
5 MAKE THE ELECTRICAL CONNECTIONS

☐ **For wall mount**, ensure the control sensor (B) is facing downwards when light fixture (A) is installed.

☐ **For eave mount**, ensure the control sensor (B) is facing away from the building when light fixture (A) is installed.

☐ If necessary, strip 3/8" of insulation from junction box and lighting fixture wires (fig 10). Connect wires by twisting the exposed wires together and using the wire nuts (BB). Ensure no loose wires.

☐ Connect lighting fixture black wire to junction box black wire (line), lighting fixture white wire to junction box white wire (common), the junction box ground wire to the green lighting fixture ground wire, which is attached to the mounting plate.

3/8"

Black (Line)

Junction Box

White (Common)

Green (Ground)
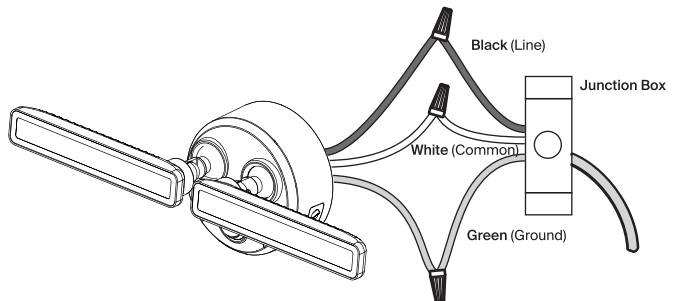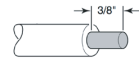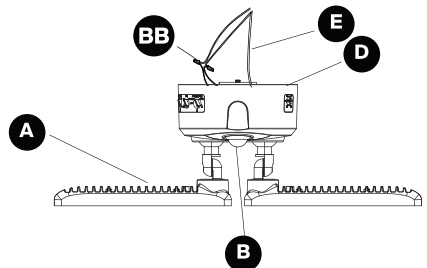
Non-Dimming Wiring Diagram

(fig 10).

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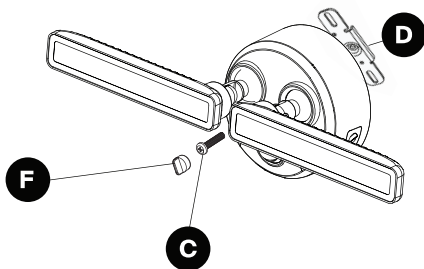Hold stripped ends near each other and align any frayed strands (do not twist wires).

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.
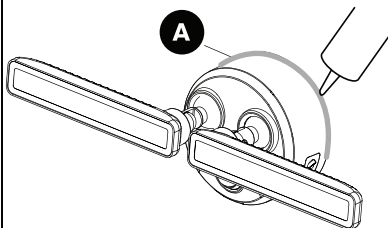
INSTALLATION (CONTINUED)

6 MOUNT THE LIGHT FIXTURE

☐ Once wiring is complete, align the mounting screw hole in the center of the fixture with the screw hole in mounting plate bracket (D).

☐ Verify the fixture is flush with the wall and control sensor (B) is pointed downward for wall mount or away from building on eave mount.

☐ Insert the mounting plate set screw (C) back through the hole in the center of the fixture and tighten until fixture is firmly secured against the wall or eave.

(fig 11).

7 AIM THE LAMP HEADS

☐ After fixture is securely mounted, loosen screws on the lamp head arms with a philips screwdriver.

☐ Aim each lamp head (A) toward desired direction.

☐ Use a philips screwdriver to tighten the lamp head arm screws, locking lamp heads in desired position.

☐ From the breaker and switch, turn power back ON to the light fixture to verify it illuminates. Make sure the control sensor (B) has no light entering it when testing.

CAUTION: Keep lamp heads 30° below horizontal to prevent water damage and electrical shock.

(fig 12).

8 CAULK AROUND THE LIGHT FIXTURE

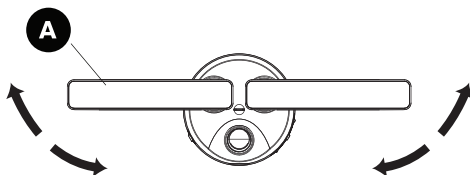☐ Caulk around the light fixture (A) and surface with silicone sealant (not included).

NOTE: Failure to properly caulk around the surface and light fixture (A) could lead to water damage and is not covered under warranty.

NOTE: When attaching this fixture (A) to a surface mount junction box, caulk between the light fixture and junction box.

(fig 13).

8

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CONTROL SENSOR OPERATING INSTRUCTIONS

The control sensor on this product consists of two different dials: the right side dial (that has three different control knobs) and the left side dial (that has only one control knob).

All sensors can be disabled for manual wall switch control.

RIGHT SIDE DIAL

Control knob 1: Test Mode

The motion sensor must be tested before setting the time and sensitivity levels. To test the fixture, switch the wall switch that controls power to the fixture to the ON position and turn the control knob 1 to "TEST". During Test mode, the fixture will warm up for test mode for 15±5 seconds. The light will shut off automatically. Now test the light sensitivity by crossing in the path of the sensor. The product will light up for 5±3 seconds, when the motion sensor detects any movement. The test is now complete. Once movement stops, it will turn off in 8 seconds. The test is now complete. (fig 14)
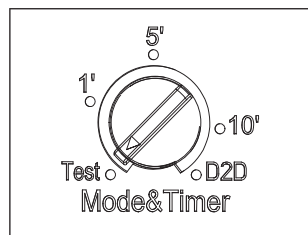
(fig 14).

Control knob 1: Dusk to Dawn (DTD) Mode

At dusk when the light sensor detects ambient light to be diminishing (i.e. 5 lumens/m^2~300 lumens/m^2) the fixture will automatically turn ON.

At dawn when the sensor detects daylight (i.e. approx. 800 lumens/m^2) the fixture will automatically turn OFF. (fig 15)
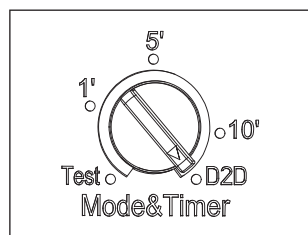
(fig 15).

Control knob 1: Timer

The Timer can be used to adjust ON time of the light when motion is detected. The ON time for the Light can adjusted to 1 min, 5 min and 10 min. (fig 16)

(fig 16).

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OPERATION (CONTINUED)

Control knob 2: Photocell Sensitivity

Photocell sensitivity for the dusk to dawn (DTD) mode can be adjusted using this control knob.
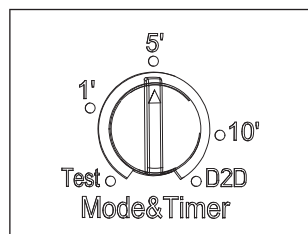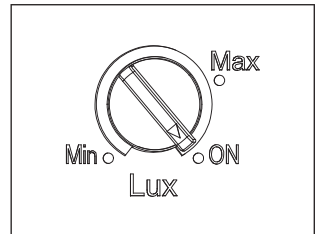
ON Mode: In the ON Mode the motion sensor will be disabled and the light continues to be in dusk to dawn mode (DTD).

Photocell sensitivity can be adjusted for Minimum (5 lumens/m^2~60 lumens/m^2) to Maximum (300 lumens/m^2). (fig 17)

(fig 17).

Control Knob 3: Motion Sensitivity

Motion sensitivity can be adjusted using this control knob.

The distance to which the motion sensor can detect motion can be controlled from a Low (5ft distance), Medium (10.5ft distance) to High (26ft distance). (fig 18)
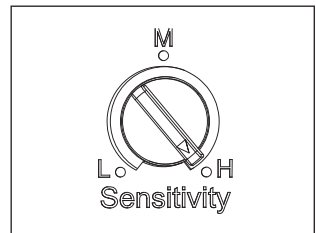
(fig 18).

LEFT SIDE DIAL

The left side dial consists of only one control knob.

This control knob can be used to adjust the color temperature of the light from 2700K (warm white), 3500K (neutral white), 4000K (bright white), 4500K (natural white) to 5000K (daylight). (fig 19)

(fig 19).

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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.
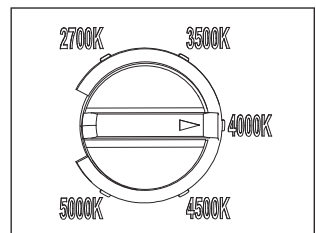
☐ Do not spray the light fixture with a hose or power washer.

TROUBLESHOOTING

Extreme hot or cold weather could affect the performance of the built-in sensors that detect body heat. Certain winter clothing can shield a person's body heat from the sensor during extreme cold weather. During extreme hot weather, the sensor may not be able to distinguish the difference between normal body temperatures and the surrounding high temperatures. The sensor will begin working normally once weather conditions return to normal.

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Light does not come on at night when motion is detected.	1. No power is being delivered to the fixture. 2. Another light source is causing the security light to think it is daylight. 3. Dusk-to-Dawn sensor is faulty.	1. Check that circuit breaker and/or wall switch power is on. 2. Turn off surrounding lights and/or re-aim the sensor head. 3. Re-connect any loose wiring.
Security light comes on during the day.	1. Wiring inside electrical box came loose. 2. Dusk-to-Dawn sensor is in shaded area and is fooled into thinking it is nighttime.	1. Shine a flashlight onto the light sensor. If the security light turns off then the fixture is mounted in an area that does not allow enough light to enter the sensor. Relocate security light. 2. If under warranty, contact Customer Service.
Security light cycles ON and OFF continuously.	1. Dusk-to-Dawn sensor is sensing reflected light from the security light.	1. Change the position of the light head, aim light away from the reflecting surfaces. 2. Put a small piece of black electrical tape over the Dusk-to-Dawn sensor. 3. Relocate the security light to a different location where it no longer causes reflected light.
Security light comes on for no apparent reason at night.	1. Light is sensing motion in the detection zone.	1. Make sure the sensor is not picking up moving objects such as bushes, trees, traffic, water, etc. 2. Test the motion sensor by covering up the front curved lens with cardboard to block the view. If the light turns off then something in the detection zone is triggering the sensor. Reposition the motion sensor or change the sensitivity (distance) of the sensor.

NOTE: Control sensor (B) may have a few minutes delay in D2D mode due to its sensitivity to sudden light changes. When testing, shine a light/cover the control sensor for a few minutes to check if fixture functions properly.

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 1-844-584-3776 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.

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Unique Identifier: (e.g., Trade Name, Model Number)

PROBRITE, RUL20-5CCT-MS-BZ
RUL20-5CCT-MS-WH
RUL40-5CCT-MS-BZ
RUL40-5CCT-MS-WH

Responsible Party – U.S. Contact Information
Eran Financial Services LLC
3500 Boca Raton Blvd - Suite 717, Boca Raton,
Florida 33431, USA
Telephone number or internet contact information
01 844 411 5483

FCC Compliance Statement (e.g., products subject to Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following twoconditions: (1) This device may not cause harmful interference, and (2) this device must accept anyinterference received, including interference that may cause undesired operation.

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