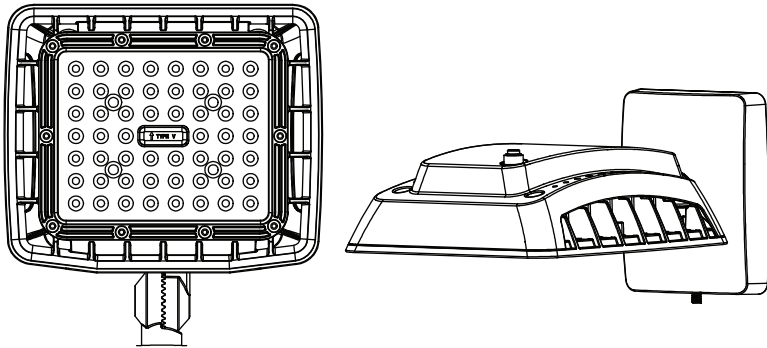


## GUARDIAN LED AREA LIGHT

### INSTALLATION, USAGE, & CARE GUIDE



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

Before returning to the store, call, text, 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.

# TABLE OF CONTENTS

|                                 |          |                                  |           |
|---------------------------------|----------|----------------------------------|-----------|
| <b>Table of Contents</b> .....  | <b>2</b> | Hardware Included.....           | <b>4</b>  |
| <b>Safety Information</b> ..... | <b>2</b> | <b>Installation</b> .....        | <b>5</b>  |
| <b>Pre-Installation</b> .....   | <b>3</b> | <b>Operation</b> .....           | <b>10</b> |
| Planning Installation.....      | 3        | <b>Care &amp; Cleaning</b> ..... | <b>11</b> |
| Specifications.....             | 3        | <b>Troubleshooting</b> .....     | <b>11</b> |
| Tools Required.....             | 3        | <b>Warranty</b> .....            | <b>12</b> |
| Package Contents.....           | 4        |                                  |           |

## 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, eave or ground mount application.



**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. (76mm) from combustible materials.



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



**NOTICE:** If using dimming function, only connect to 0-10v approved dimming switches or control systems



**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.

## SPECIFICATIONS

| MODEL                                     | GRD32  | GRD64               |
|---|--|---------------------|
| <b>Lumens (Light Output)</b>              | 4500 Lumens  | 8500 Lumens         |
| <b>Watts (Power Consumption)</b>          | 32 Watts LED   | 64 Watts LED        |
| <b>Replaces</b>                           | 300W Incandescent  | 600W Incandescent   |
| <b>Lumens/Watts (Efficacy)</b>            | 141 Lumens per watt  | 133 Lumens per watt |
| <b>Power Requirements (Input Voltage)</b> | 120-277VAC   |                     |
| <b>Light Color (CCT)</b>                  | 4000 Kelvin (Bright White)   |                     |
| <b>Dimmable</b>                           | Yes (When used with a 0-10V dimming switch)  |                     |
| <b>Surge Protection</b>                   | 6kV  |                     |
| <b>Optic Distribution Type</b>            | Type IV  |                     |
| <b>Operating Modes</b>                    | <p><b>Dusk-to-Dawn:</b><br/>Automatically turns light fixture ON during night and OFF during day.</p> <p><b>Switch-Controlled:</b><br/>Flip switch to turn light fixture ON and OFF. <i>Use included light sensor cap on fixture's photocell to utilize this mode setting.</i></p> |                     |

## TOOLS REQUIRED



Phillips screwdriver



Wire strippers/cutters



Circuit tester



Silicone sealant



Work gloves



Ladder



Safety goggles



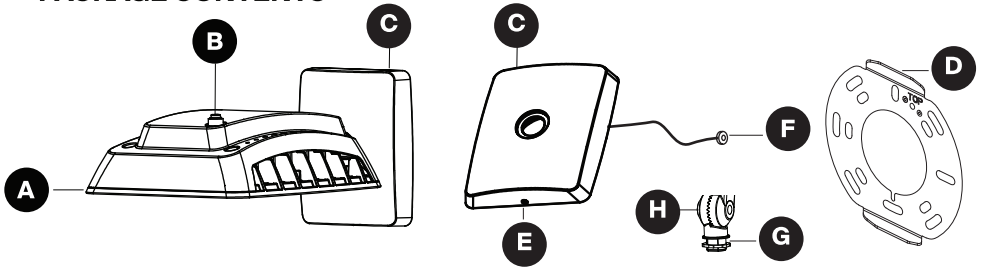
Wrench



Power drill

# PRE-INSTALLATION (CONTINUED)

## PACKAGE CONTENTS



| Part | Description                          | Quantity |
|------|--------------------------------------|----------|
| A    | Light fixture                        | 1        |
| B    | Photocell                            | 1        |
| C    | Mounting cover plate                 | 1        |
| D    | Mounting plate                       | 1        |
| E    | Mounting plate set screw             | 1        |
| F    | Hands-free mounting wire             | 1        |
| G    | Conduit locknut for knuckle mount    | 1        |
| H    | 1/2" NPS Threaded knuckle mount stem | 1        |



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

## 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        |
| CC   | Hex head screwdriver            | 1        |
| DD   | Wing nut for wall mount plate   | 1        |
| EE   | Lock washer                     | 1        |
| FF   | Sealing gasket                  | 1        |

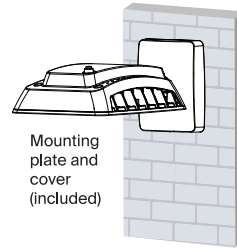
# INSTALLATION

## 1 FOR BEST RESULTS

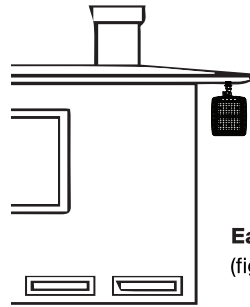
- Install light 8-15 feet above the ground for wall and eave applications, or on ground for flood application.
- The fixture can be mounted in multiple ways:

**A. Wall/Eave Mount:** Using the mounting cover plate (C) and the mounting plate (D) over a junction box. See (fig 1) and (fig 2). Note: for eave mount, photocell will not operate correctly. See operations instructions for directions on how to disable.

**B. Swivel Knuckle Flood Mount:** Can be used with a holed cover plate (not provided) on a junction box or Landscaping post (not provided). See (fig 3)



**Wall Mount**  
(fig 1).



**Eave Mount**  
(fig 2).

- Do NOT wire to a dimming switch or control system unless wiring to a suitable 0-10V LED Dimmer



**PURCHASING ACCESSORIES:** 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.

### Knuckle Flood Mount Accessories

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



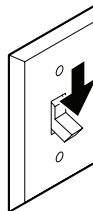
Shown mounted to landscape stake with 1/2-in. NPSM Pipe Thread (sold separately)



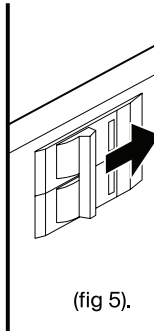
(fig 3).

## 2 SHUT OFF ELECTRIC POWER OFF

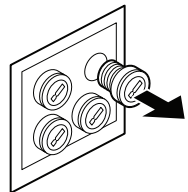
- Verify wall switch is in OFF position (fig 4).
- At the main electrical panel, turn off the circuit breaker that supplies power to the junction box you are working on (fig 5).
- For screw-in type fuses, unscrew the fuse that supplies power to the junction box you are working on (fig 6).



(fig 4).



(fig 5).



(fig 6).

## INSTALLATION (CONTINUED)

### 3A INSTALLING THE COVER PLATE FOR WALL/EAVE MOUNT OPTION

#### Wall/Eave mounting cover plate set up On standard junction boxes

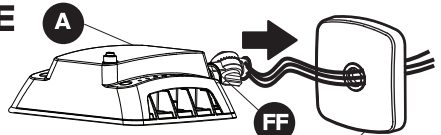


**NOTE:** The fixture comes with the knuckle stem and the wall/eave mounting base plate (C) is in the box.

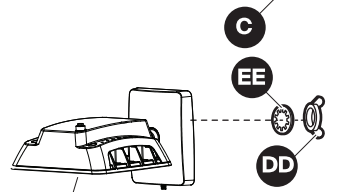
- Place the sealing gasket (FF) on the knuckle stem and thread wires through the hole of the wall/eave mounting cover plate (C), being careful not to pinch the wires. (Fig 7)
- Place the fixture head (A) in the required orientation with the plate. Place the lock washer (EE) on the knuckle threaded stem and tighten the wing nut (DD). (Fig 8)



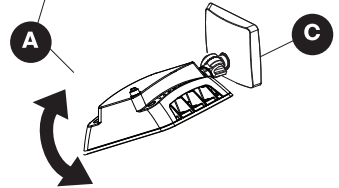
**IMPORTANT:** It is important to adjust the desired left to right orientation of the fixture head (A) with the wall/eave mounting base plate (C) at this step. (Fig 9)



(Fig 7)



(Fig 8)



(Fig 9)

### 3B INSTALLING WITH SWIVEL KNUCKLE MOUNT

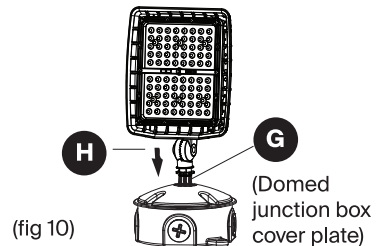
For mounting to domed junction box cover plate  
(sold separately) or landscape post (sold separately)

#### For Ground and Wall/Eave Mounting

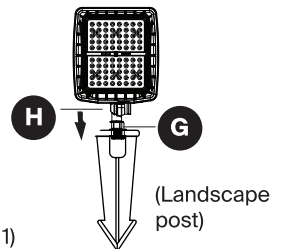


**NOTE:** The fixture comes with the 1/2" threaded NPS swivel knuckle mount (B) and is compatible with standard domed junction box cover plates with a center hole or landscape posts

- Place wires through the hole in the domed junction box cover plate or landscape post. (fig 11) and (fig 10)
- Place conduit lock nut (G) on back side of domed cover plate.
- Screw 1/2" NPS threaded knuckle mount (H) into the center hole of the domed plate or landscape post and, if hole isn't threaded, use conduit lock nut (G) to tighten fixture into place.
- Loosen the thumbscrew in center of knuckle mount and select desired angle. Tighten thumb screw to secure into place.



(fig 10)



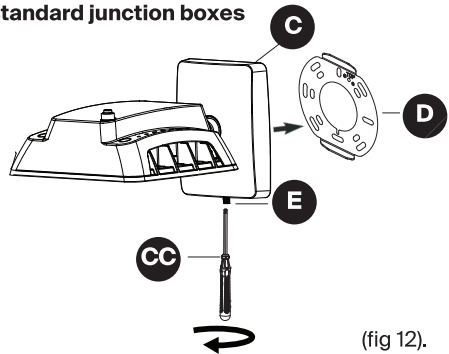
(fig 11)

## INSTALLATION (CONTINUED)

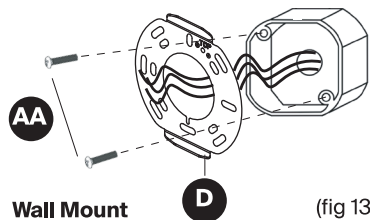
# 4 REMOVE THE MOUNTING PLATE FOR WALL/EAVE MOUNT OPTION

### Wall / Eave mount using the mounting cover on standard junction boxes

- Remove the mounting plate (D) from the mounting cover plate (C) by loosening the mounting plate set screw (E) using hex head screw driver. (fig. 12)
- 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. 13)



(fig. 12).



Wall Mount

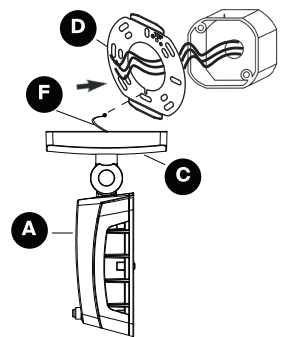
(fig. 13).

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

# 5 HOOK HANDS-FREE INSTALL WIRE

(Wall/Eave option using mounting cover plate)

- Take the round "ball" head of the hands-free wire (F), attached to back of mounting cover plate (C) 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.



Wall/Eave Mount

(fig. 14).

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

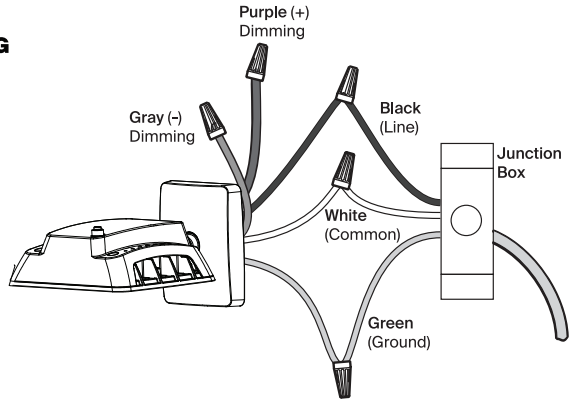
# INSTALLATION (CONTINUED)

## 5 MAKE THE ELECTRICAL CONNECTIONS

### FOR NON-DIMMING ELECTRICAL WIRING

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

- Connect lighting fixture black wire to supply black wire (line), lighting fixture white wire to supply white wire (common), and the lighting fixture green wire to the supply ground wire (fig 15).
- For the purple and gray fixture wires individually terminate fixture's purple and gray wires with wire nuts to prevent shorting (fig 15).



**Non-Dimming Wiring Diagram** (fig 15).

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

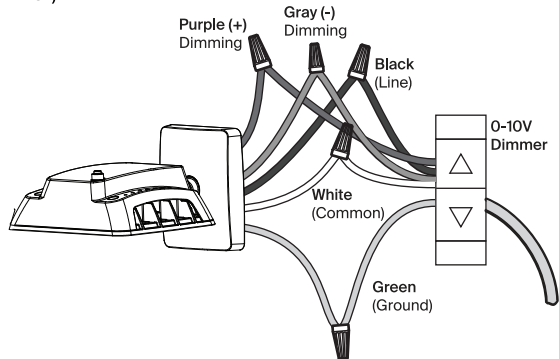


**NOTICE:** Leave Purple & Gray wires terminated & separated when NOT connecting to a 0-10V dimmer. DO NOT connect the purple and gray wires to any other wires unless wiring to a 0-10V dimmer.

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

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

- Connect lighting fixture black wire to supply black wire (line), lighting fixture white wire to supply white wire (common), and the lighting fixture green wire to the supply ground wire.
- For dimming wires, when connecting 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 16)



**Dimming Wiring Diagram**

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



**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.

(fig 16).

## INSTALLATION (CONTINUED)

### 7 CAULK THE LIGHT FIXTURE

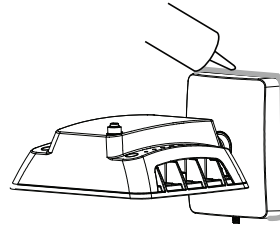
- Caulk around the back face of the light fixture shown in (fig 17) with silicone sealant (not included).



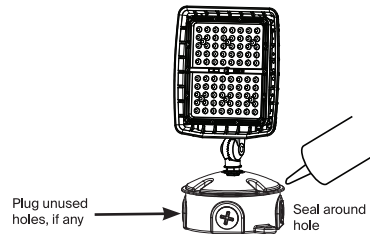
**NOTICE:** Failure to properly caulk around the back face of the light fixture and mounting surface could lead to water damage and is not covered under warranty.



**NOTE:** When attaching this light fixture to a surface mount junction box, caulk between the junction box and the mounting plate (fig 20).



(fig 19).

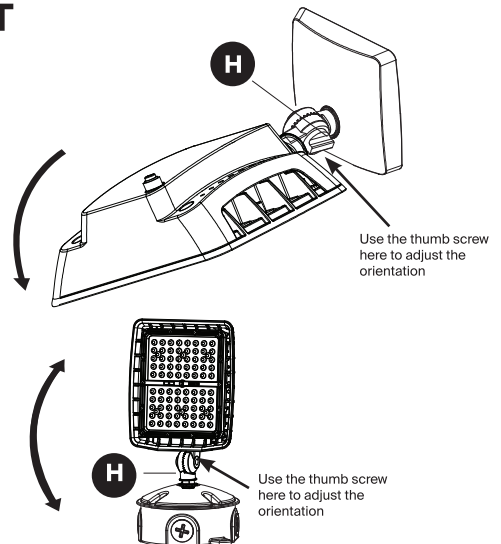


#### Swivel Knuckle Flood Mount

(fig 17).

### 8 ADJUSTING THE LIGHT HEAD AND TESTING

- Loosen the thumb screw on the swivel portion of the knuckle (H), 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.



(fig 18).

# OPERATION

## 1 SELECT DUSK-TO-DAWN OR SWITCH-ACTIVATED CONTROL

**AUTOMATIC  
NIGHTTIME ON**

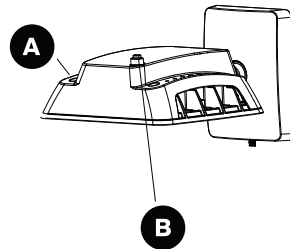


**DAYTIME OFF**

### 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 and ensure the photocell (B) 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.



(fig 19).

(Remove cap cover 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.

### OPTION 2: SWITCH CONTROLLED

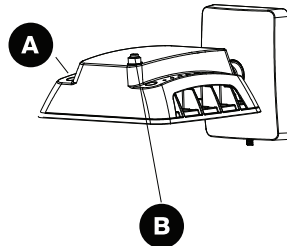
*Switch controlled operation enables the light fixture to turn ON and OFF by flipping a switch that controls the electricity to the outlet powering the fixture. The light fixture will not turn ON and OFF automatically, but is manually controlled.*

**SWITCH**



**CONTROLLED**

- To enable switch activated operation leave the black screw-on cap the photocell (already installed on the fixture).



(fig 20).

(Leave the black cap cover over the photocell)

# 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<br>Confirm wall switch is ON<br>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.<br>OR place the black cap 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.<br>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.<br>OR place the optional opaque cover over 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?**

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

**1-844-507-5651**

support@probrite.com

www.probrite.com

**RETAIN THIS MANUAL FOR FUTURE USE**

**Para las translaciones en español,  
visit [www.probrite.com/install](http://www.probrite.com/install)**