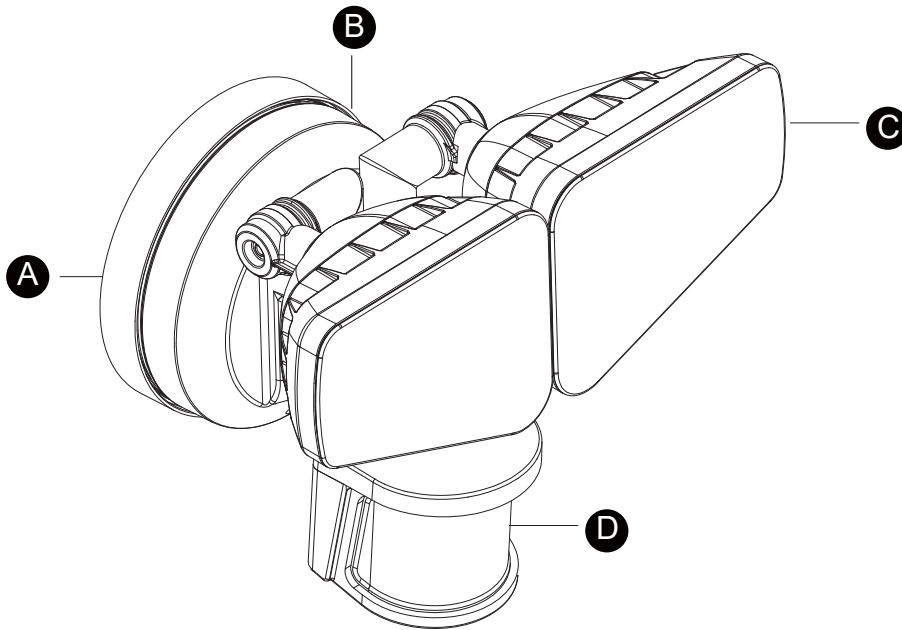# Patriot LIGHTING®

Questions, problems, missing parts?
Before returning to your retailer, call our customer service at 1-800-887-6326
Monday – Friday 9:00 a.m. – 5:00 p.m. CST

PACKAGE CONTENTS

HARDWARE CONTENTS Note: Hardware not shown actual size.

AA | #8/32 X 1/2 in | #6/32 X 1/2 in | #10/24 X 1/4 in

Mounting Screw
X2

CC

Mounting Strap
X1

EE

Fixture Mounting Screw
X1

BB

Mounting Bracket Screw
X1

DD

Decorative cover
X1

FF

Wire Connector
X2

⚠ SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product.

WARNING

- Turn off electricity at main fuse box (or circuit breaker box) before beginning installation by removing fuse (or switching off circuit breaker).

- Be careful not to damage or cut the wire insulation (covering) during fixture installation. Do not permit wires to contact any surface having a sharp edge. To do so may damage or cut the wire insulation, which could cause serious injury or death from electric shock.

- LED electronics can be damaged by electro static discharge (ESD)shock. Before installation, discharge yourself by touching a grounded bare metal surface to remove this hazard. To avoid damage, do not touch the LED module.

CAUTION

- All electrical connections must be in agreement with local codes, ordinances or the national electric code (NEC). Contact your municipal building department to learn about your local codes, permits and/or inspections.

- Risk of fire – most dwellings built before 1985 have supply wire rated for 140°F/60ºC. Consult a qualified electrician before installation.

- Only general ON/OFF wall switch applies for this fixture, the dimmable wall switch shouldn't be required.

Maximum Wattage: 29 W
Working Temperature Range: -4ºF ~ 113ºF

PREPARATION

Before beginning assembly, installation or operation of product, make sure all parts are present. Compare parts with package contents list and diagram on previous page. If any part is missing or damaged, do not attempt to assemble, install or operate the product. Contact customer service for replacement parts.

Tools Required for Assembly (not included): Screwdriver, Phillips Screwdriver, Pliers, Electrical Tape, Wire Cutters, Safety Glasses, Ladder, Wire Stripper.

ASSEMBLY INSTRUCTIONS

Important to Know

1. This fixture requires a 120 VAC, 60 Hz power source.
2. For general safety and to avoid any possible damage to the sensor, be sure the power is switched "off" before adjustment.
3. Motion sensor: turns light ON automatically when motion is detected and turns light OFF automatically when motion stops.
4. Photocell keeps the light OFF during daylight hours.

Note: Fixture can be wall mounted or eave mounted.


Wall Mounted   **Eave Mounted**
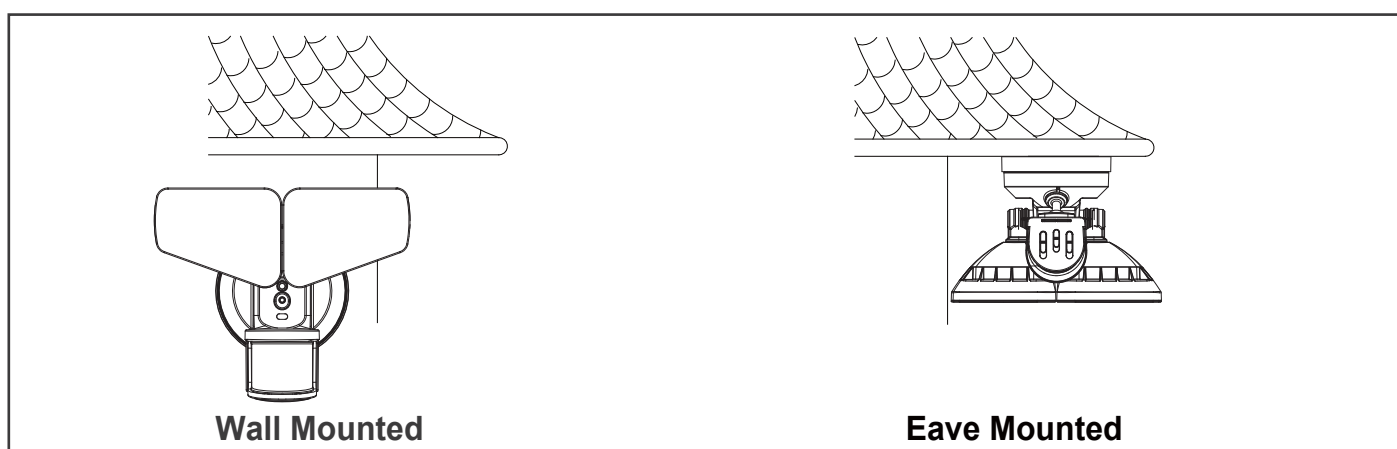
Light fixture and sensor should be mounted as shown above when installed (depending upon type of installation)

Before installing the light fixture under an eave, the sensor head must be rotated as shown in the next two steps for proper operation and to avoid the risk of electrical shock.
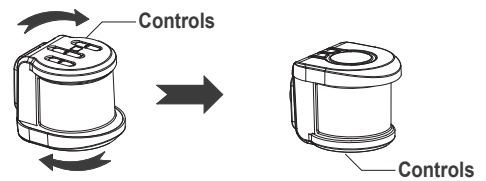
ASSEMBLY INSTRUCTIONS (continued)

For eave mounted only:

◉ Swing the sensor head towards the mounting bracket.

Mounting Bracket
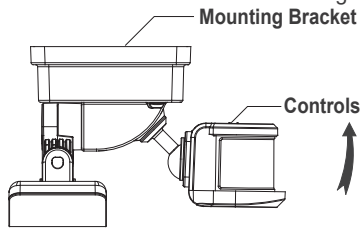
Controls

◉ Rotate the sensor head clockwise 180˚ so the controls face down.

Controls

Controls

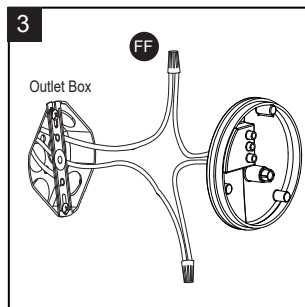## Installation Steps

Turn off the power at fuse or circuit box.

1. The fixture mounting bracket (A) is pre-assembled on the light fixture (B). Unscrew both the decorative cover (DD) and the fixture mounting screw (EE) in order to remove the mounting bracket (A).
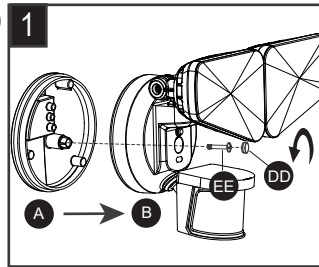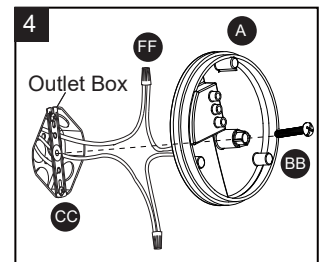
2. Install the mounting strap (CC) to the outlet box with the stamped word "FRONT" facing away from the outlet box, using two mounting screws (AA) that best fit the outlet box. Mounting bracket(A) should sit flush against wall surface when secured. (Choose one matching pair of suitable mounting screws (AA) from the 3 pairs provided).
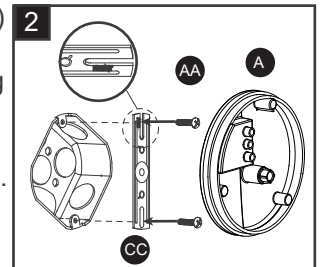
3. Pull out the source wires from the outlet box. Make wire connections using wire connectors (FF) as follows:
   - ---Connect the black wire from the fixture to the "hot" wire from the power source.
   - ---Connect the white wire from the fixture to the neutral wire from the power source.

   Carefully tuck the wires back into the outlet box.

4. Place mounting bracket (A) against the outlet box, insert the mounting bracket screw (BB) through the mounting bracket hole, thread mounting bracket screw (BB) into the center hole of the mounting strap(CC). Tighten the mounting bracket screw (BB) securely.
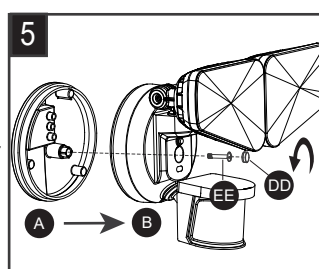   - ▲ When mounting to a wall, the "UP" arrow must point upward.
   - ▲ When mounting to an eave, the "UP" arrow must point toward the building.

5. Attach the backplate(B) of the light fixture to the mounting bracket(A), secure it with the fixture mounting screw(EE). Then push the decorative cover (DD) firmly into the fixture mounting screw (EE) hole on the light fixture.

6. With silicone caulking compound, caulk completely around where the mounting bracket meets the wall surface.
   CAUTION: Be sure to caulk completely where the mounting bracket meets the wall surface to prevent water from seeping into the outlet box.
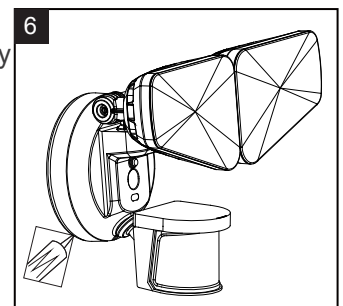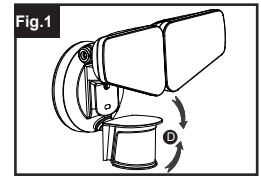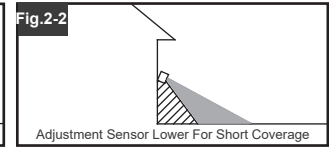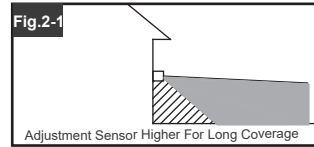
Turn on the power at fuse or circuit box.

Adjusting the Sensor Head:

1. a: Aim sensor head toward desired detection area, maintaining a 5° - 40° downward angle to allow moisture to drain. (See Fig.1)
   Note: Make sure sensor head is positioned with control knob facing towards the ground.
   b: You can rotate the sensor head up and down to change the coverage area . Walk through the detection zone at the farthest distance you wish to detect motion.

2. Range set too high may increase false triggering. (See Fig.2-1, 2-2)

Fig.2-1 — Adjustment Sensor Higher For Long Coverage

Fig.2-2 — Adjustment Sensor Lower For Short Coverage

Adjusting the Light Head:

1. Gently grasp the light heads(C) and tilt them up or down, left or right to adjust the light coverage area. Keep the light heads at least 1″ (25mm) away from the sensor. (See Fig.3)

   Keep the light heads 30˚ below horizontal to avoid water damage and electrical shock.
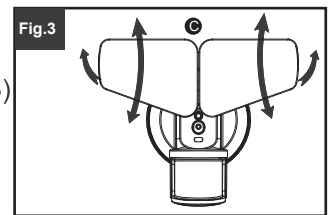
Sensitivity of Motion Sensor:

1. You can adjust the sensitivity of the motion sensor by using the "SENS" selector located on the bottom surface of the sensor. (See Fig.4)
2. Adjust motion sensor sensitivity to HIGH (H), MEDIUM (M), or LOW (L) to achieve desired performance.
3. Approximate range for each setting: 25 ft. (L), 45 ft. (M), 70 ft. (H).
   Choose a mode by sliding the switch on the bottom of the sensor. (See Fig.4)
Note: When power is first applied, the light will turn on to 100% brightness. The sensor will take 30 seconds to warm up.
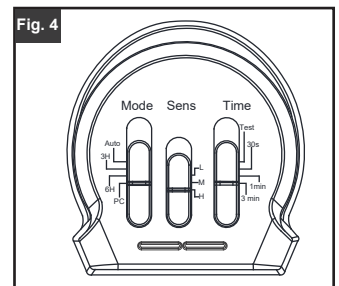
1. TEST mode (daytime or nighttime operation)
   ● Slide the switch on the right side of the sensor to the "TEST" position. (See Fig.4)
   ● With the power on, the light turns to low-level brightness automatically.
   ● The light turns to high-level brightness when motion is detected, and stays on as long as the motion continues. Then it reverts back to low-level brightness about 5 seconds after motion is no longer detected.

2. AUTO MODE (nighttime operation only)
   ● To shift to "AUTO" mode, slide Time Delay switch to the desired time setting (30s/1min/3min). At dusk, the light turns on to pre-selected low level brightness and CCT color. When motion is detected, the light turns to full brightness and stays on as long as motion continues. When the motion is no longer detected, the light stays on high-level brightness for the predetermined time you set (30s/1min//5min), and then switches back to low level automatically.
   ● The light turns off automatically at dawn.

3. 3 HOURS (3H) MODE (nighttime operation only)
   ● The light turns to high-level brightness (100%) and pre-selected CCT color at dusk, and stays "ON" for 3 hours. Then it turns to low-level brightness. It turns to high-level brightness (100% 5000K) when motion is detected, and stays on as long as motion continues. When motion is no longer detected, it remains on for the predetermined shut-off delay time you set (30s/1min/3min), and then returns to the predetermined low-level brightness automatically.
   ● The light turns off automatically at dawn.

4. 6 HOURS (6H) MODE (nighttime operation only)
   ● The light turns to high-level brightness (100%) and pre-selected CCT color at dusk, and stays "ON" for 6 hours. Then it turns to low-level brightness. It turns to high-level brightness (100% 5000K) when motion is detected, and stays on as long as motion continues. When motion is no longer detected, it remains on for the predetermined shut-off delay time you set (30s/1min/3min), and then returns to the predetermined low-level brightness automatically.
   ● The light turns off automatically at dawn.

FUNCTION AND OPERATION

5. PHOTOCELL (PC) MODE (nighttime operation only)
● The light turns on to full brightness at dusk and remains "ON" until dawn.

6. 3Min/10Min dual timer
    ● When the light on for 3min comes to the end, the light will flash twice and dim down to 20% brightness for 20 seconds, during this time, if the sensor detects additional motion, the light will continue to stay on for 10min, and so on.

Notes:

1. The sensitivity of the motion sensor will increase as the environmental temperature gets cooler. You may wish to make adjustments when the season changes.
For best performance, gently clean the lens with a soft cloth every 1 or 2 months to assure maximum sensitivity.

2. For best performance, install fixture at least 8 feet above the ground. At such a height, the fixture will provide a detection distance of up to 70 feet at 77 degrees Fahrenheit. (See Fig.6)

3. The sensor detects movement across a detection range of 240 degrees. (See Fig.7)

4. The sensor will be more sensitive to motion across its detection path than motion directly towards it. (See Fig.8)

5. To reduce possible nuisances, do not mount the fixture near a heat source like an air conditioner, vent or furnace exhaust, or in a direction facing any reflecting object or other light source.

Where you install your fixture is important:
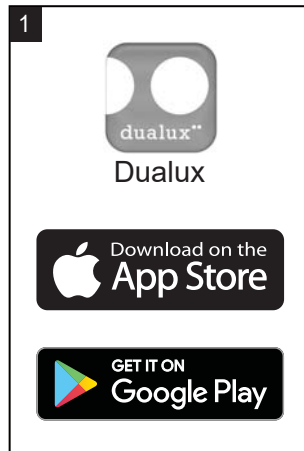Be sure the light is mounted straight on the wall or eave; otherwise, the detection distance may be limited.

Fig. 6

Fig. 7
240'
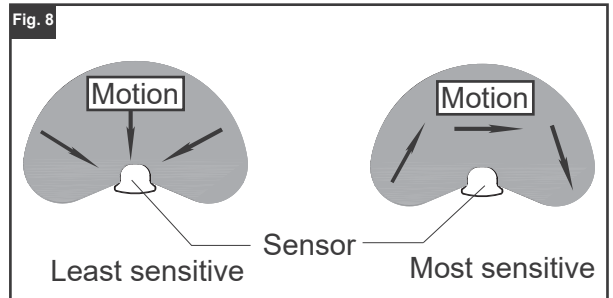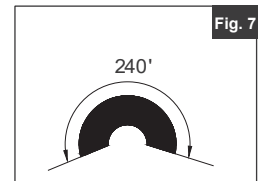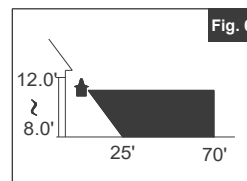
Fig. 8
Motion — Motion
Sensor
Least sensitive — Most sensitive

Setting for single light through mobile device (Take iOS for example as below. Android will be slightly different).
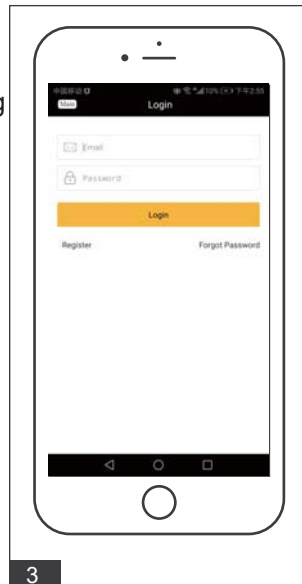
Before you strat

1. Download the Dualux BT App from the Apple App Store or Android Google Play store.
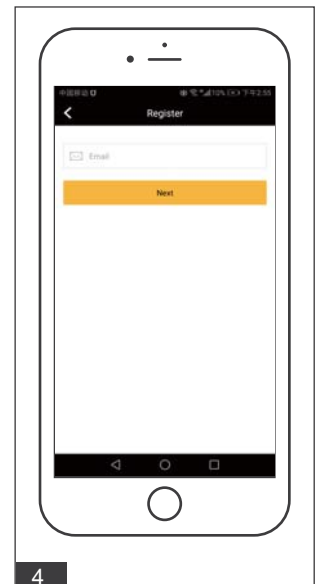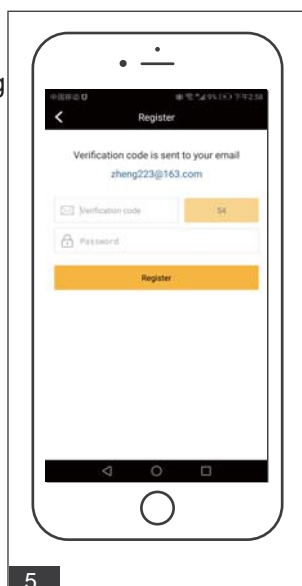
Dualux

Download on the App Store

GET IT ON Google Play

2. Launch the App and tap "Wifi".

dualux** DUAL-LEVEL TECHNOLOGY

3. Tap "Register" for new accounts or "Login" for existing accounts.

Login

Email

Password

Login

Register   Forgot Password

4. Enter E-Mail address, then tap "Next".

Register

Email

Next

5. Tap "Register" for new accounts or "Login" for existing accounts.

Register

Verification code is sent to your email
zheng223@163.com

Verification code   54

Password

Register

6. Install & power On light then tap "Search for lights".

dualux**

Light List

Search for Lights

7. Power On the light and confirm the green indicator light is blinking. Then tap "next".

8. Choose a 2.4GHz WiFi network and enter the WiFi password, then tap "Confirm".

Note: Only works with 2.4GHz WiFi networks.

9. Connected to the lighting devices "wifi (HF-XXXXXX)". Tap "Set wi-fi" choose a HF-XXXXXX.

10. The status window will appear once the device(s) have successfully connected and the 3 bullets on the bottom will followed by a tick.

Note: If unsuccessful, the "Failed to Add" screen will appear. Close the App and repeat the previous steps.
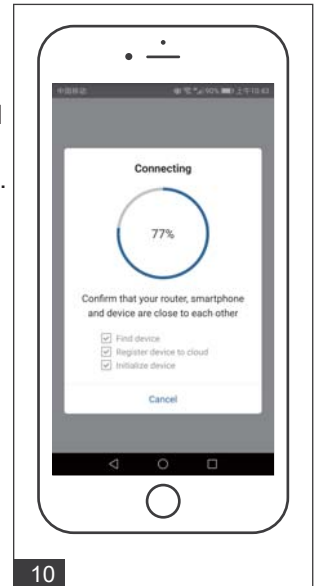
11. Successfully added device. To rename the light, tap the "modify device name" , enter the new name and tap "confirm". The light(s) are now eady to be controlled with the dualux App.

12. The new light will be shown in light list. And click" 🛠 " icon, it will go to the setting list.

13. The Setting list, You can set up "Functions", "Change image", "Rename light", and "Restore factory defaults".

14. Tap the "Functions", You can choose "Test", "Auto", or "Custom Setting".

Select "Test" in Manual override and adjust "Detection Distance" , "Brightness" and "CCT change" as desired. Then click "Save".
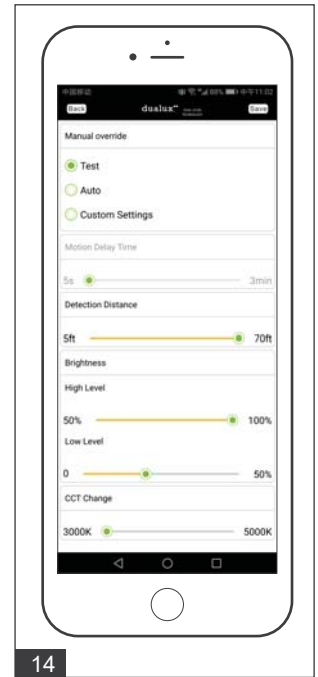
15. Select "Auto" in Manual override and adjust "Motion Delay Time", "Detection Distance" , "Brightness" and "CCT change" as desired. Then click "Save".
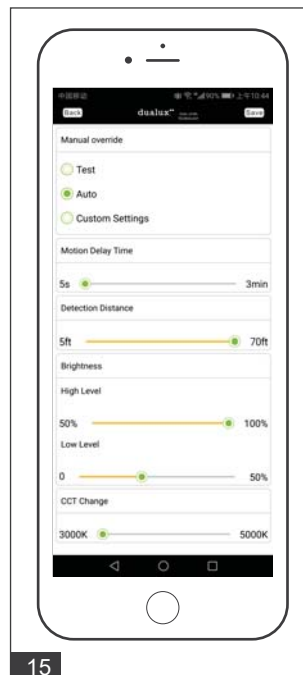
16. Select "Custom Settings" in Manual Override for Customize Early Evening Mode setting, and choose option between "Duration" or "Clock Time (End Time)" to set the continuous bright light illumination duration. Within "Duration", you may set from 0 to 12 hours for continuous bright light once lamp is activated at night. In "Clock Time (End Time)", is the time you set to deactivate the continuous bright light according to the actual hour in the mobile device after the lamp is activated. Both option settings will return to motion-sensor operation after the continuous bright light is deactivate. 9:00 P.M. is the default in "Clock Time (End Time)".
Note: "Duration" setting will only work once per setting, it automatically go into "Clock Time (End Time) on the next day. Also if you do not click save for either option, then the settings will follow according to the switch control on the actual lamp.
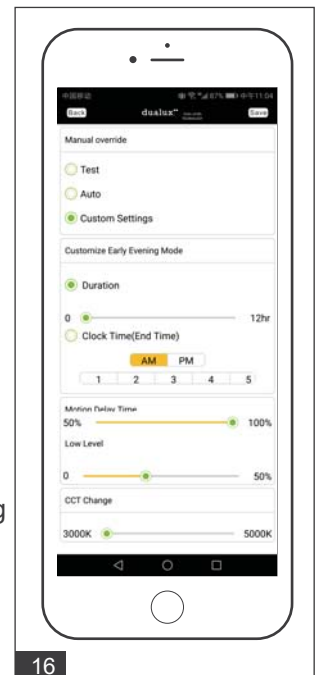
17. Click Fig.13 "Change image". And click "take photo" to take a photo.
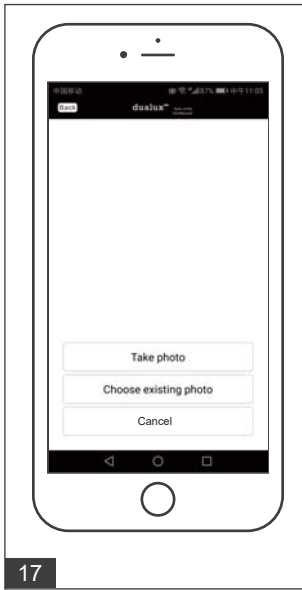
18. Android:Click " 📷 " to grasp a your desired view.
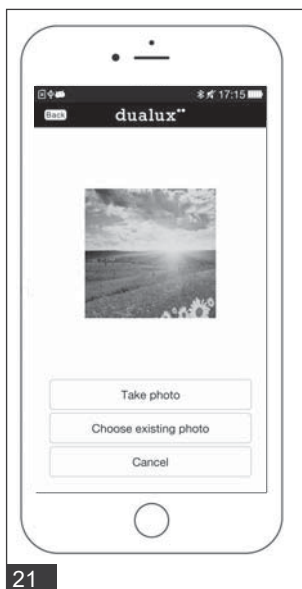   iOS:Click " ⭕" to grasp a your desired view.

iOS   Android

19. Android:Click " OK " to take a photo.
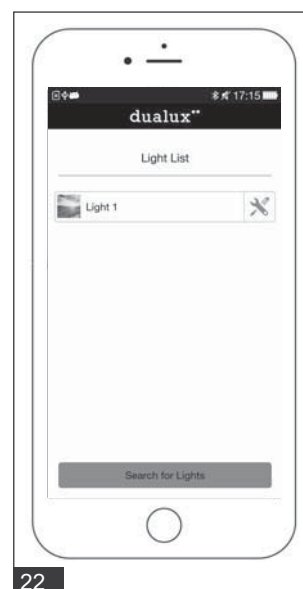   The iOs system does not have this step.

20. Android:Adjust the photo to trim the photo's desired size. Then click " ✓ " .
    iOS: Click"Done" to take a photo.

iOS   Android

21. It will turn to "change image" The photo will show on it.
    (Android will be slightly different from the iOS system)

22. Go back to "Light list", the photo will show on the left of "Light 1".

23. Click fig.13 "Change existing photo" to choose a desired image on your device. Then click "Cancel" back to "Setting" menu list.
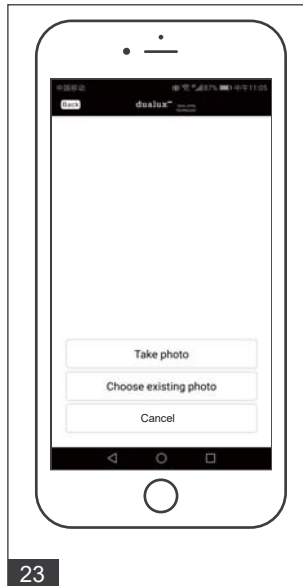
24. Click fig.13 "Rename light" to enter a name for the light, then click "Save".

Restore factory defaults

25. Click fig.8 "Restore factory defaults" to restore your settings (only the light name and password) to the original conditions.
**Note: The photo's settings can't be restored by using this function.**


26. Remove the device from the light list.

Note: 1. Manual control and App control independently.
2. The function which is executed is the lastest settings.
3. After a power cut or power outage, the function of the light will revert back to the actual settings of the switches on the fixture.
App settings will also revert back to the factory default.
4. For achieving the best performance, make sure the wall switch is in "ON" state (daytime and nighttime).
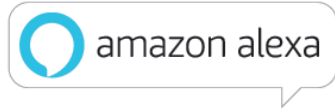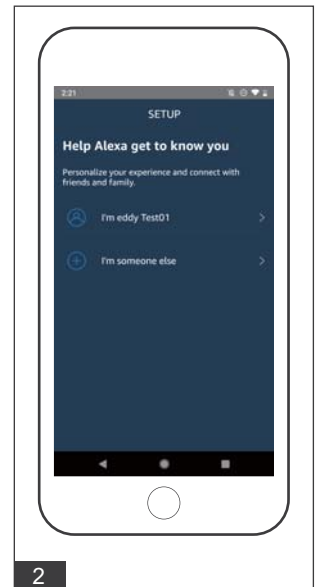
amazon alexa
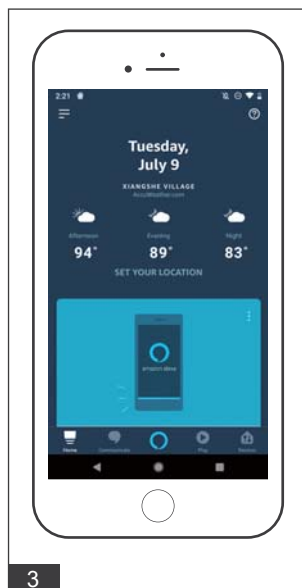
Connecting to Alexa
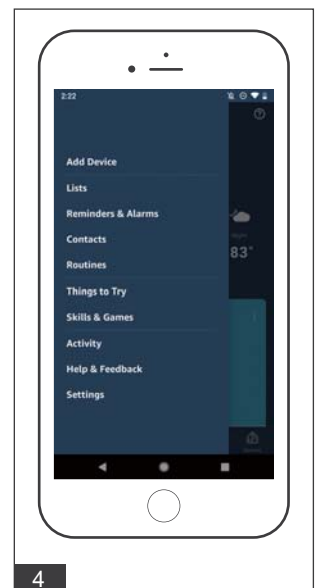
1. Sigin in with amazon
   alexa account.
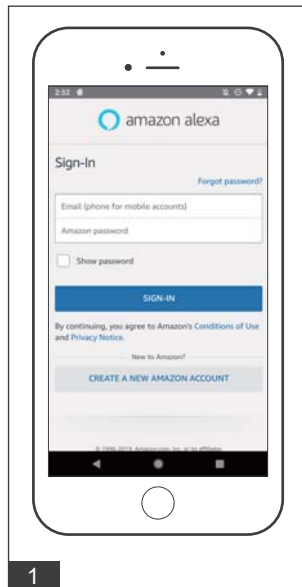
2. Select your name or
   someone else.

3. Launch the Alexa App
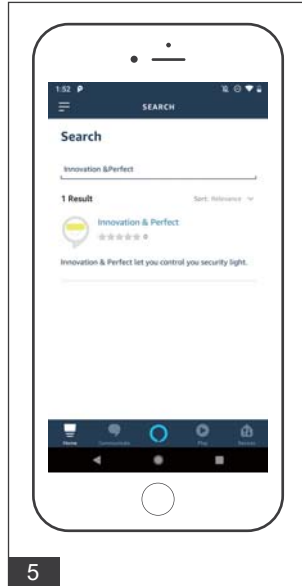   then tap on the "Menu".
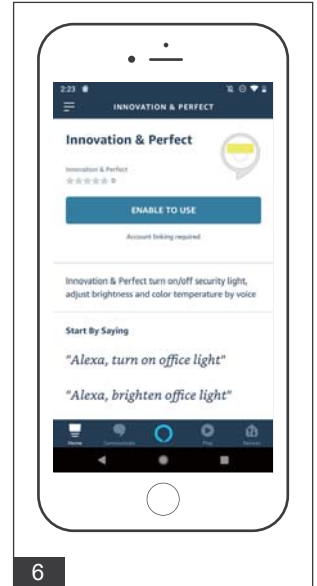   (In the upper left corner)

4. Select Skills & Games.

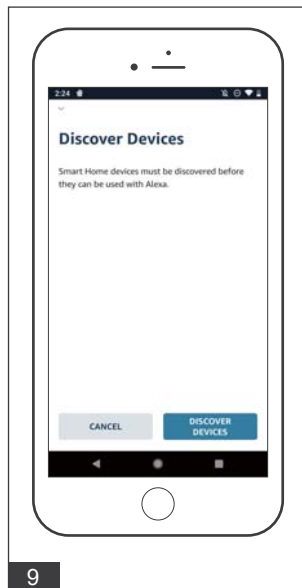5. In the search menu type "Innovation & Perfect". then tap "Innovation & Perfect".

6. Tap "ENABLE TO USE".

7. Enter the user name & assword from the Innovation & Perfect App.
Then tap "Login".

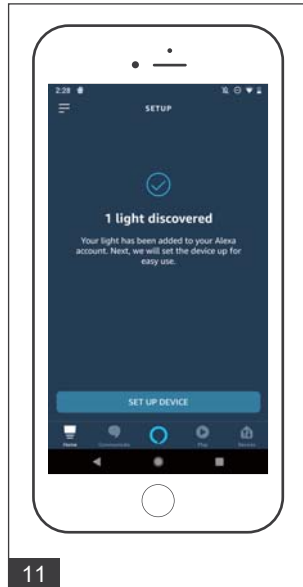8. Get successful page and press cross.

9. Discover your devices.
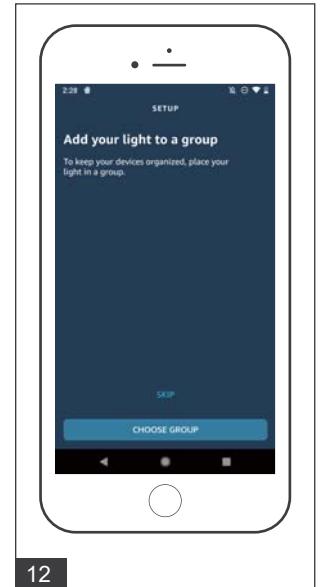

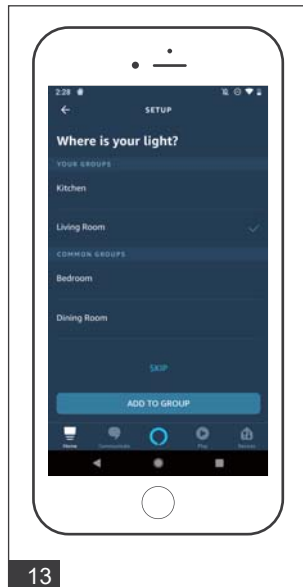10. Discover devices for 20 seconds

11. Discover a light and set up device.
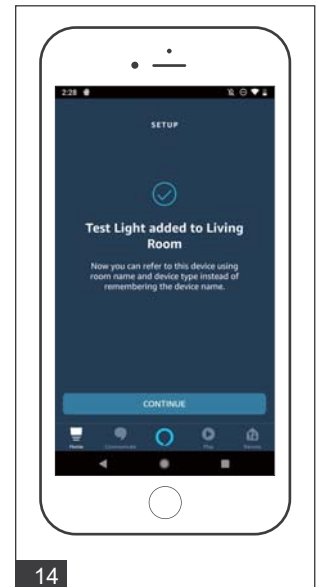

12. Add your light to a group.

13. Select a group.

14. Light is added to a group.

15. Tap lights.

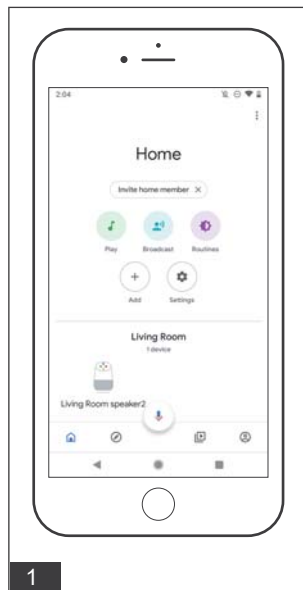16. New device is displayed in group.
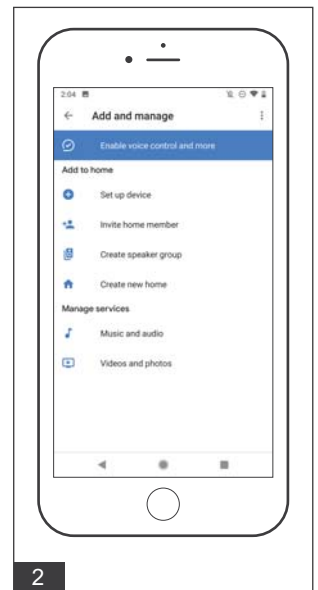
Connecting to Google Home

1. Login Google Home with account.

Press ⊕ to add device
Add

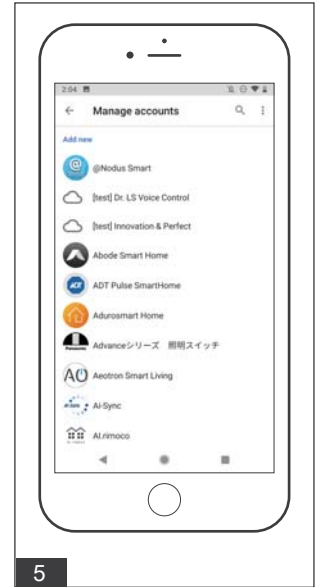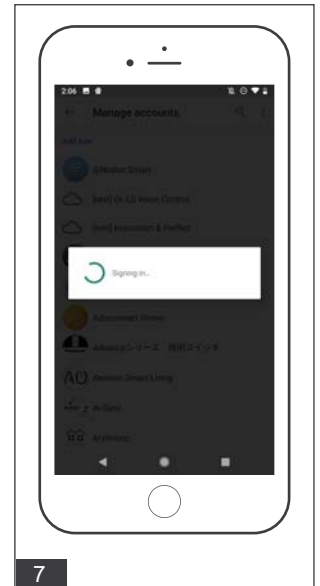2. Tap set up device.

3. Select Works with Google.

4. Select[test] Innovation & Perfect.

5. Enter the user name & assword from the Innovation & erfect App.Then tap "Login".
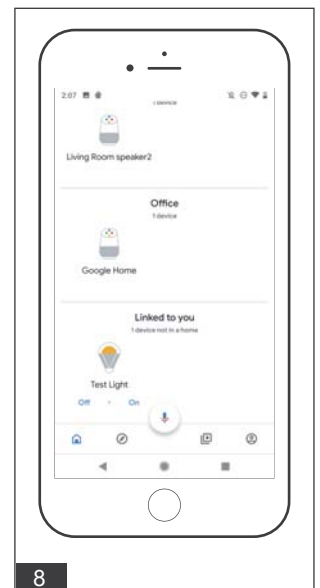

6. Wait for signing in.

7. Go back to main page.

8. A device links to google home automatically.
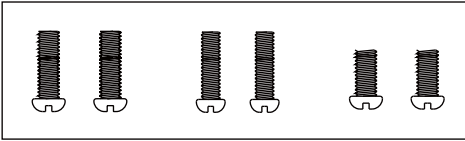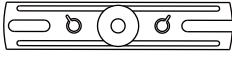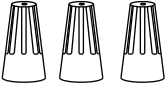
Range	Up to 70ft. (Varies with surrounding temperature)
Sensing angle	Up to 240º
Electrical load - LED	32W
Lumens	2600lm
Power requirements	120 VAC, 60Hz
Operating modes	Test, Auto, 3H, 6H, PC
Time delay	30s,1min,3min
Mobile device requirements	Iphone 4S or newer running IOS 8.0 x or later. Android v4.4 or later Phone must also have Bluetooth version 4.0 or later

The following parts are available for reorder if damaged or missing. Call our toll-free at 1-800-887-6326.

Spare Parts List:

AA

Mounting Screw
X2

CC

Fixture Mounting Screw
X1

BB

Mounting Strip
X1

DD

Wire Connector
X3

Assembly Kit
5569MM (1 SET)

CARE AND MAINTENANCE

- To clean, turn off and wipe with a damp, non-abrasive cloth.

TROUBLESHOOTING

1) The light does not come on at all:
   a) Make sure the wall switch and circuit breaker are on.
   b) Make sure the wiring is correct.
   c) Make sure the Daylight turn-on(photocell) is in effect.
   d) Make sure the motion sensor is aimed in the right direction to cover the desired area.
   e) Make sure the outside air temperature is not close to the same as a person's body heat.

 2) The light comes on during the day.
   a) Make sure the motion sensor is not installed in a relatively dark location.

 If unable to fix any of the above issues, please consult a certified electrician.

FIVE-YEAR LIMITED WARRANTY: If, during normal use, this PATRIOT LIGHTING® lighting fixture breaks or fails duet to a defect in material workmanship within five (5) years from the date of original purchase, simply bring this lighting fixture with the original sales receipt back to your nearest MENARDS® retail store. At its discretion, PATRIOT LIGHTING® agrees to have the product or any defective part(s) repaired or replaced with the same or similar PATRIOT LIGHTING® product or part free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. This warranty; (1) excludes expendable parts including but not limited to light bulbs; (2) does not cover damage that has resulted from abuse or misuse; and (3) does not cover any losses, labor, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state.

FCC Statement

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
This device must be installed and operated with a minimum distance of 20 cm between the radiator and user body.

Questions, problems, missing parts?
Before returning to your retailer, call our customer service at 1-800-887-6326
Monday – Friday 9:00 a.m. – 5:00 p.m. CST