



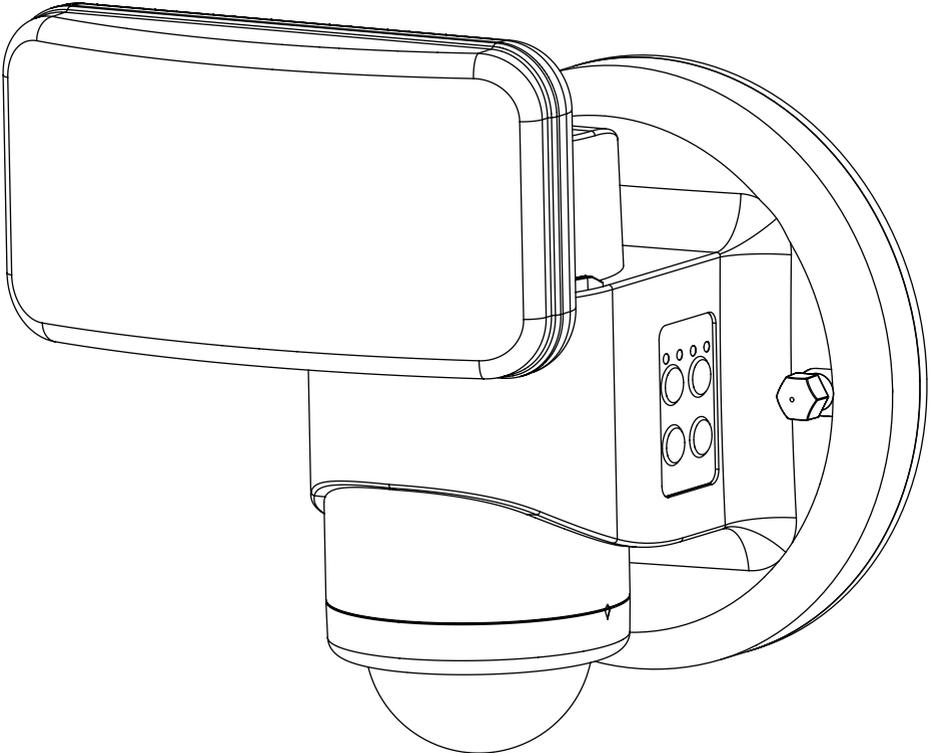
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ITEM #6036844  
MODEL #LWT-2420-WH

# HARDWIRED LED MOTION TRACKING SECURITY LIGHT

**Español p. 11**

**ATTACH YOUR RECEIPT HERE**



**Serial Number** \_\_\_\_\_

**Purchase Date** \_\_\_\_\_

Thank you for purchasing this UTILITECH product.  
Questions, problems or missing parts?  
Before returning, contact us on:  
**866-994-4148**, 8 a.m. - 8 p.m., EST, Monday - Sunday or [ascs@lowes.com](mailto:ascs@lowes.com).

**WU-016475236**

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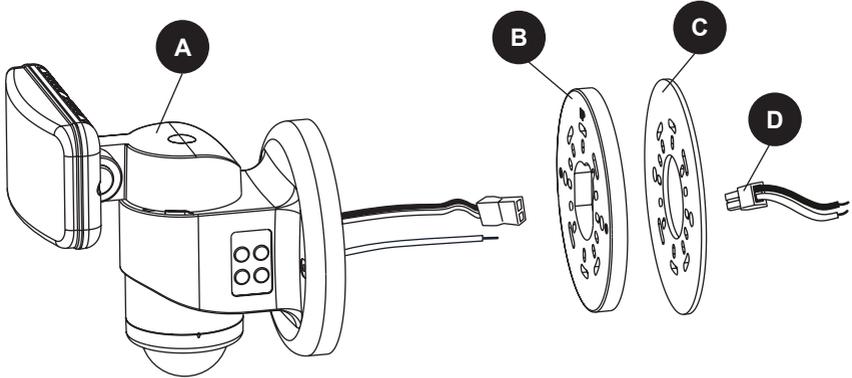
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## PRODUCT SPECIFICATIONS

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SPECIFICATIONS	SPECIFICATIONS
Installation height: Approximately 2.5 m / 8 ft.	Color temperature: 5000K
Detection angle: 240°	Lumen brightness: 2000lm
Detection range: Up to 15 m / 50 ft.	Operating voltage : 120V AC 60Hz
Operating temperature: -25°C to + 45°C	Protection rating: IP65

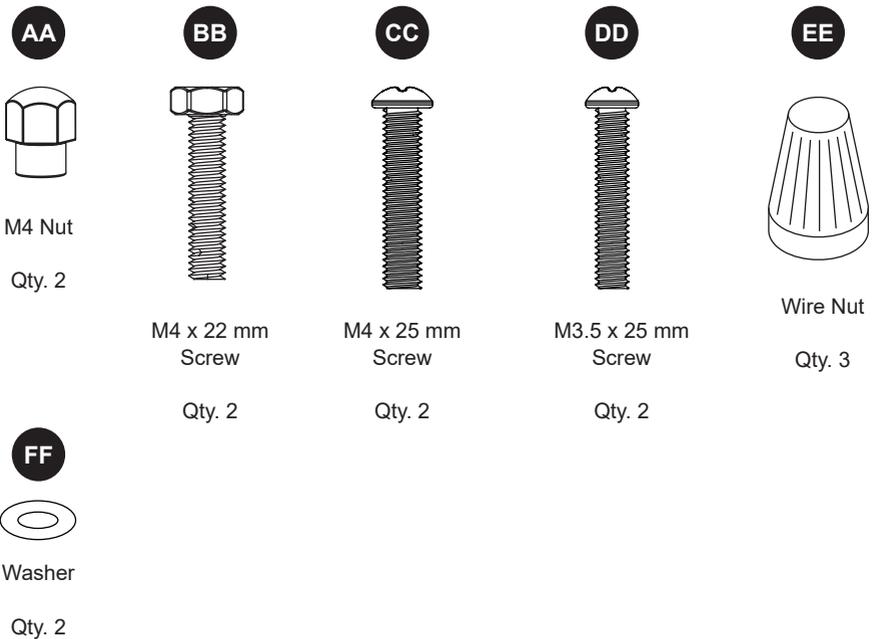
**PACKAGE CONTENTS**



PART	DESCRIPTION	QUANTITY
A	Light fixture	1
B	Mounting bracket	1

PART	DESCRIPTION	QUANTITY
C	Eva gasket	1
D	Easy connector plug	1

**HARDWARE CONTENTS** (shown actual size)



## SAFETY INFORMATION

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

- This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.
- This fixture should not be used in areas with limited ventilation or high ambient temperatures.
- Turn off electrical power at fuse or circuit breaker box before wiring the fixture to the power supply.
- Verify that the supply voltage is correct. Connect fixture to a power source 120V AC.
- Make sure all electrical and grounded connections are in accordance with the National Electrical Code and any applicable local code requirements.
- All wiring connections should be capped with UL listed connectors.
- Do not look directly at the LED lights.

## WARNING

This equipment has been tested and found to comply with 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 the 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.

## CAUTION

- Avoid covering LED fixtures with insulation, foam, or other material that will prevent convection or conduction cooling.
- Avoid direct eye exposure to the light source while it is on. Led lamps are extremely bright. Under no circumstances should you stare into the Led light beam, this may cause irreparable damage to the eyes.

## PREPARATION

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Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents list. If any part is missing or damaged, do not attempt to assemble the product.

### **Estimated Assembly Time: 20 minutes**

Tools Required for Assembly (not included): Phillips Screwdriver, Safety Goggles, Pliers, Silicone Sealant, Ladder.

Determine the mounting location - a solid wall is preferable.

When selecting your installation area its important to be aware of possible factors that could cause false triggering; such as direct sunlight, window glare or reflection, air conditioning units, swimming pool water reflection, direct street lighting or large vegetation in the installation area.

Although this LED light is weatherproof (IP65), to prolong it's lifespan, it is sensible to install the unit in an area that is not directly exposed to extreme weather conditions.

Install the IWT-2420 fixture 6.6ft / 2 meters - 10ft / 3 meters above the ground . The motion sensor of the fixture are less sensitive when installed below 6,6ft / 2 meters or above 10ft / 3 meters.

The IWT-2420 fixture has 3 independent motion sensor zones. Each sensor zone is 80 degrees and the total sensor coverage area is 240 degrees. The detection distance per zone is 50 ft /15 meters plus.

Note: Outdoor ambient temperatures could effect the infrared emissions to the fixture sensors and the detection distances. The heat signature of a person or object during spells of higher ambient temperatures could decrease the detection distances slightly and during cold temperatures the detection distance could increase.

### **WARNING:**

Risk of an electric shock. Disconnect power at fuse or circuit breaker before installing or servicing the Light Fixture.

Ground wire is included if you want to connect your fixture to ground. If you have a metal junction box and there is a screw, you just need to attach the ground wire to the same screw and do not need a wire nut. If you have a plastic junction box, you connect the wire from the sensor unit to the ground wire coming out of the house with the wire nut. This wire is either bare copper, or a green coated wire. If the ground wire was connected to the previous fixture, you can connect the ground wire from the house to the ground wire from the light with a wire nut.

### **Note:**

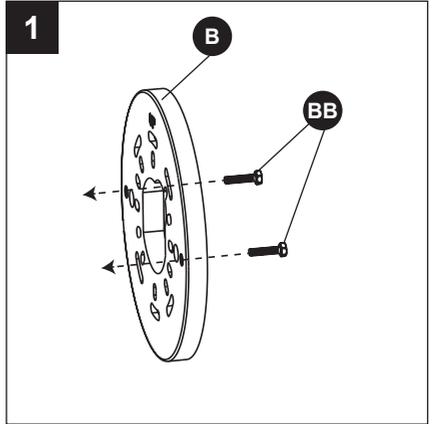
Make sure the polarity is correct and do not install more than one motion sensor light on one wall switch.

## INSTALLATION INSTRUCTIONS

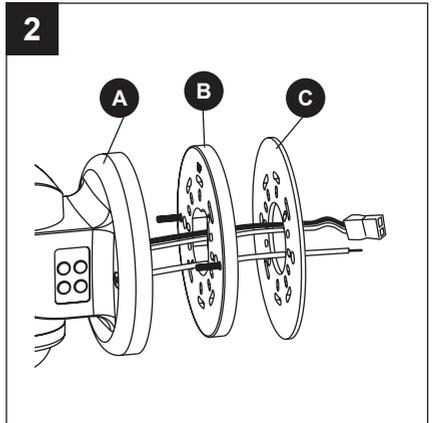
1. Insert the Light fixture mounting screws (BB) from rear to front through the Universal Mounting Bracket.

### Hardware Used

**BB** M4 x 22 mm Screw  x 2



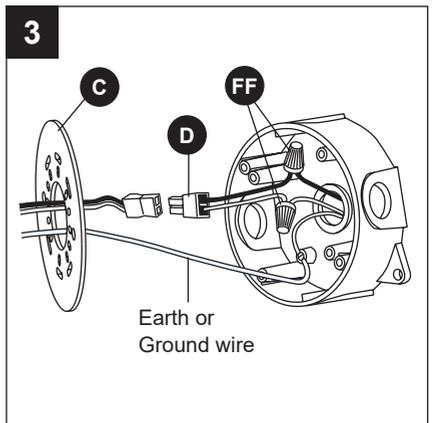
2. Feed the fixture easy connector wire with female plug and earth wire through the Mounting bracket (B) and EVA gasket (C) before connection.



3. Applicable for metal electrical junction box. Connect the easy connector wire with male plug with the electrical wires together using the wire nuts (FF) and connect the earth or ground.

### Hardware Used

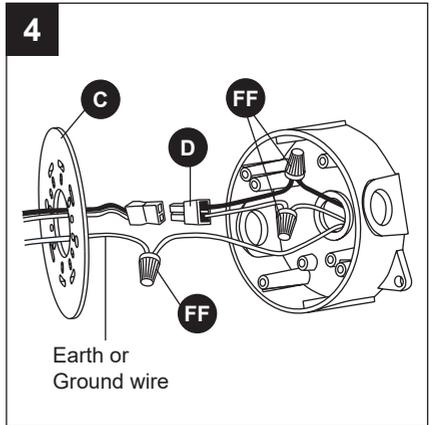
**FF** Wire Nut  x 2



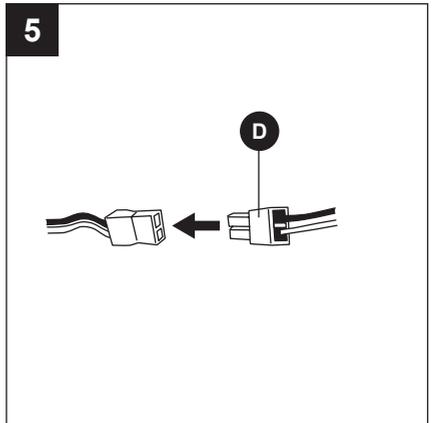
## INSTALLATION INSTRUCTIONS

4. Applicable using plastic electrical junction box.  
Connect the easy connector wire with male plug with the electrical wires together using the wire nuts (FF) and connect the earth or ground.

### Hardware Used

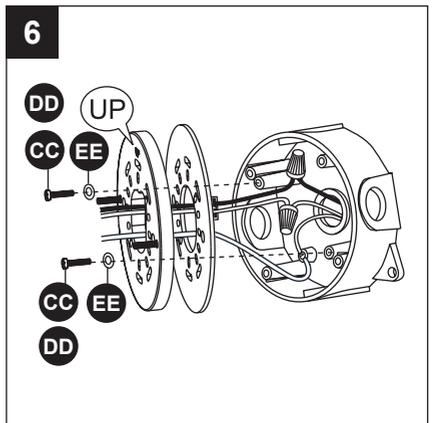
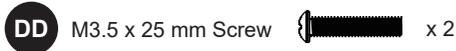
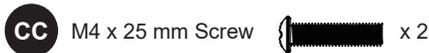


5. Connect the male and female plug.



6. Mount the universal bracket with UP position marking with EVA gasket (C) tightly onto the junction box using the junction box mounting screws (CC or DD) with washers (EE) if needed.

### Hardware Used



## INSTALLATION INSTRUCTIONS

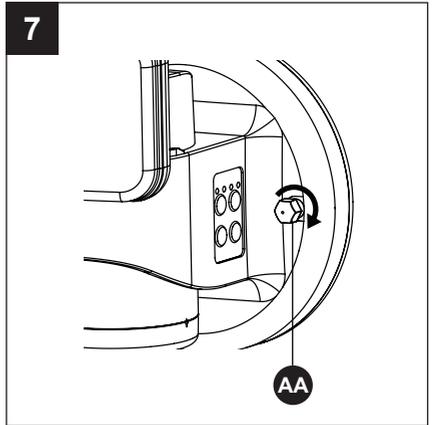
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6. Align the light fixture with the universal mounting bracket and tighten the light fixture securely onto the light fixture mounting screws with the two thumb screw nuts (AA).

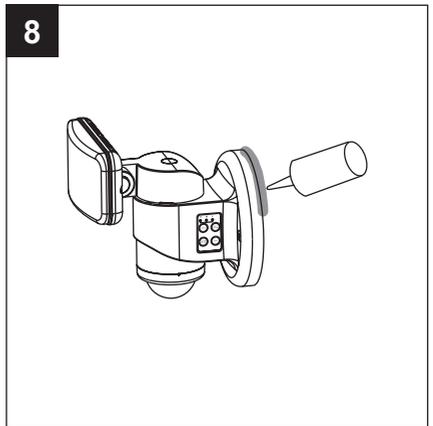
### Hardware Used

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- AA** M4 Nut  x 2



7. Seal around the junction box rim with silicone to minimize water entering between the light fixture and junction box.



## OPERATING INSTRUCTIONS

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The fixture is designed to be “plug and play” most installations will require little or no adjustment and can rely on the original default settings:

- Night time mode setting - The fixture has a built-in photocell that will automatically enable the fixture functions at sunset and off at dawn, therefore there is no need for a additional Lux setting function.
- Motorized function to rotate the LED head towards motion detection within 3 sensor zones.
- Sensor sensitivity set at high setting at a maximum distance of 50 ft / 15 meters.

After the completion of the installation switch the power back on

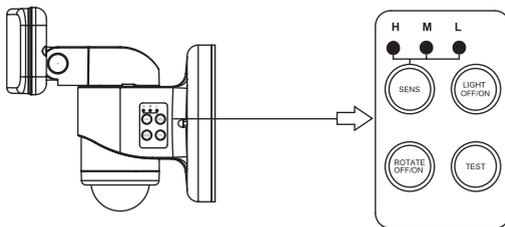
- On turning the power on the fixture will start a self-calibration program. During this process you will notice a flashing green LED light in the detector lens.
- Once the green light becomes stable, the fixture is ready for normal operation.
- If calibration was done during day time the light fixture will automatically go to stand-by mode and not become active until after sunset.
- If calibration was done during night time - the light will resume normal operation.

## OPERATING INSTRUCTIONS

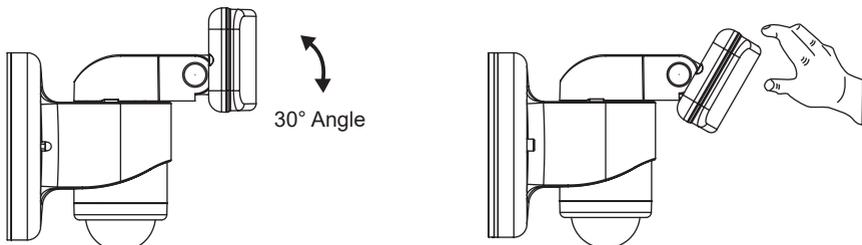
The default setting is: Night Time Operation Mode: The LED light will turn on for 3 minutes after sensor activation. 3 minutes after the last detection the LED light will go off and automatically rotate to the center position ready to respond to the next sensor detection.

Optional function settings (See diagram below)

- **SENS Sensitivity Setting**  
Press and release the SENS button to start sensitivity setting.  
The LEDs H, M, L above the buttons will indicate the setting selected.  
H is for high sensitivity up to 50 ft. / 15 meters, M is for medium sensitivity up to 30 ft. / 9 meters, and L is for low sensitivity up to 20 ft. / 6 meters. Press and hold the SENS button for 2 seconds to confirm and save the sensitivity choice.
- **LIGHT OFF/ON To Switch LED Light off and on during Night time**  
This function setting is only active during Night time. Press and hold the LIGHT OFF/ON button in for 2 seconds and the LED will go off. To switch the LED back on push and hold LIGHT OFF/ON again for 2 seconds.
- **ROTATE OFF/ON Motor Override should you want to use the fixture LED light in a fixed center position**  
This function setting will be active during Night time. Press the ROTATE OFF/ON button for 2 seconds, the LED head will center itself and will not rotate during activations.  
To go back to motorized default setting press and release the ROTATE OFF/ON button.
- **TEST Walk test after day time Installation**  
Press button TEST and hold for 2 seconds - The LED will illuminate and rotate towards the direction of detection. After 3 minutes of last walk test the fixture will reset to Night Time operation only. Should further walk test be required press TEST again for 2 seconds.



Adjust the lamp head for the desired light beam angle with a manual tilt option of 30 degrees



## CARE AND MAINTENANCE

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- To prolong the original appearance of the fixture regularly clean the fixture with a soft damp cloth.
- Do not use paints, solvents, or other chemicals on this light fixture. They could cause a premature deterioration of the outer body of the fixture and will not be covered by the warranty.
- Do not spray the fixture directly with a hose or power washer.

## TROUBLESHOOTING

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PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
The LED light head does not move.	Power failure has interrupted the light head rotating functions.	Remove the power to the fixture for about 10 seconds then turn back on. The fixture will then go through its calibration warm up routine in preparation for normal operation.
The light does not turn on.	The wiring is incorrect.	Check if the wiring is correct Live to Black and Neutral to White.
The light does not move and turn on during day time.	The fixture is set in Night Mode.	Push the TEST button to test the fixture.

## WARRANTY

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This is a "Limited Warranty" which gives you specific legal rights. You may also have other rights which vary from state to state and province to province.

For a period of three years from the date of purchase, any malfunction caused by factory defective parts or workmanship will be corrected at no charge to you. To obtain a refund or a replacement, return the product to the place of purchase.

**NOT COVERED:** Repair service, adjustment and calibration due to misuse, abuse or negligence. Unauthorized service or modification of the product or of any furnished component will void this warranty. This warranty does not include reimbursement for inconvenience, installation, setup time, loss or use or unauthorized service.

This warranty covers only IQ America products and is not extended to other equipment and components that a customer uses in conjunction with our products.

This warranty is expressly in lieu of all other warranties, express or implied, including any warranty, representation or condition of merchant ability of that the products are fit for any particular purpose or use, and specifically in lieu of all special, indirect or incidental or consequential damages.

Repair or replacement shall be the sole remedy of the customer and there shall be no liability on the part of IQ America for any special, indirect, incidental or consequential damages, including but not limited to any loss of business or profit, whether or not foreseeable. Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Retain receipt for warranty claims.