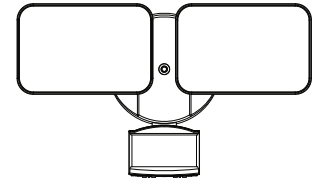


# MaxLite® 2-Head Security Light with Photocontrol/PIR Sensor



## General Safety Information

- To reduce the risk of death, personal injury or property damage from fire, electric shock, falling parts, cuts/abrasions, and other hazards read all warnings and instructions included with and on the fixture box and all fixture labels.
- Before installing, servicing, or performing routine maintenance upon this equipment, follow these general precautions.
- Commercial installation, service and maintenance of luminaires should be performed by a qualified licensed electrician.
- For Residential installation: If you are unsure about the installation or maintenance of the luminaires, consult a qualified licensed electrician and check your local electrical code.
- **DO NOT INSTALL DAMAGED PRODUCT!**
- This fixture is intended to be connected to a properly installed and grounded UL listed junction box.
- Consult a qualified electrician to ensure correct branch circuit conductor.



Picture is for illustration purposes only.  
Your model may vary.

### **WARNING: RISK OF ELECTRICAL SHOCK**

- **Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.**
- **Do not install fixture in the rain to reduce risk of electrical shock.**
- **Turn off the power when you perform any maintenance.**
- **Verify that supply voltage is correct by comparing it with the luminaire label information.**
- **Make all electrical and grounded connections in accordance with the National Electrical Code and any applicable local code requirements.**
- **All wiring connections should be capped with UL approved wire connectors.**
- **Not for use with dimmers or 3-way switches. If you have those in place, remove them and replace with regular electrical switches.**
- **To avoid damage, do not remove the lens over each LED module.**
- **Do NOT allow the sensor head to touch the LED head housing. Maintain at least a 1-inch space between LED heads and sensor head.**
- **Turn off the switch and circuit breaker before installing this LED light fixture. Do NOT rely upon wall switch alone to turn off power.**
- **Use safety precautions. Safety eyeglasses and gloves are recommended.**
- **Suitable for wet locations.**
- **Risk of shock, disconnect power before servicing.**
- **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.**
- **Installation should be performed by a qualified electrician. Please read and understand the entire manual prior to attempting to assemble, operate or install this product.**
- **To protect against water damage and maintain proper light operation, the motion sensor adjustment controls **MUST** face downward.**
- **Wall switch must remain ON continually for the motion detector to work.**
- **If motion is continually detected, then the light will remain on until after motion ceases.**
- **Installation Height for Suggest: 9-12 ft**

### **CAUTION: RISK OF INJURY**

- **Wear gloves and safety glasses at all times when removing luminaire from carton, installing, servicing or performing maintenance.**
- **Avoid direct eye exposure to the light source while it is on.**
- **Account for small parts and destroy packing material, as these may be hazardous to children.**

### **CAUTION: RISK OF FIRE**

- **Keep combustable and other materials that can burn away from luminaire and lamp/lens**

**Model:**  
**MSL Series**

# MaxLite® 2-Head Security Light with Photocontrol/PIR Sensor



## Technical Specifications

ITEM	DESCRIPTION
Voltage	120VAC, 60 Hz
Wattage	28W
Dimmable	NO
Output lumens	2500lm

## Pre-Installation

### Hardware Included:

Carefully remove the contents from the package. If any parts are missing do not attempt to use the product until they have been obtained and correctly installed.

PART#	DESCRIPTION	QUANTITY
1	Ground Screw, M4*6mm	1
2	Machine Screw, M4*30mm	1
3	Machine Screw, #8-32*32mm	2
4	Nut, M4*10* $\phi$ 8.5mm	1
5	Silicone gasket, $\phi$ 8.5* $\phi$ 4.3*1mm	1
6	P3 Wire Nuts, $\phi$ 12*21mm	3
7	Crossbar, 98*21*1.5mm	1
8	EVA Gasket, $\phi$ 104*3mm	1



**NOTE:** Hardware shown at actual size.



1



2



3



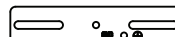
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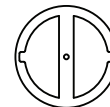
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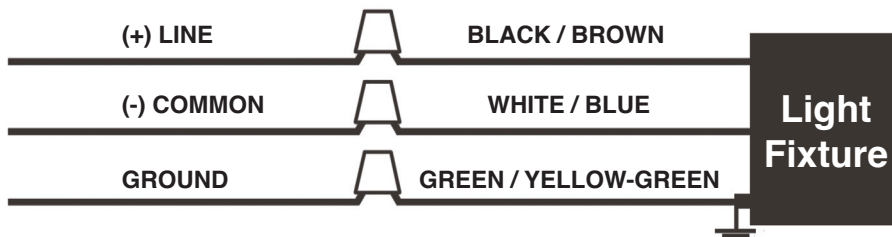
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8

## General Wiring Diagram

**CAUTION:** Turn off electrical power at fuse or circuit breaker box before wiring fixture to the power supply.



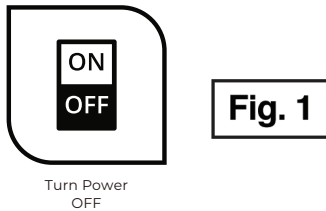
# MaxLite® 2-Head Security Light with Photocontrol/PIR Sensor



## Assembly Instructions

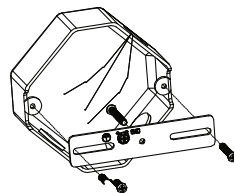
**Disconnect the power by turning off the circuit breaker or by removing the appropriate fuse at the fuse box. Turning the power off using the light switch is not sufficient to prevent electrical shock.**

1. Turn off the switch and circuit breaker before installing the LED luminaire. (See Fig. 1)



**Fig. 1**

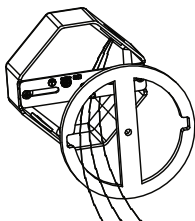
2. Insert the machine screw (part 2) into the center hole of the crossbar (part 7). Attach the crossbar to your junction box (not included) with 2 machine screws (part 3). Ensure that the screw thread on the center hole is pointing away from the junction box. (See Fig. 2)



**Fig. 2**

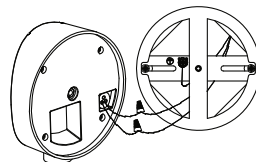
3. Remove the protective paper from the adhesive face of the EVA Gasket (part 8).

4. Pull the supply wires through the gasket opening. Adhere the EVA Gasket to the crossbar and outer edge of the round, surface mount junction box. Ensure that the center machine screw on the crossbar is threading through the hole of the EVA Gasket. (See Fig. 3)



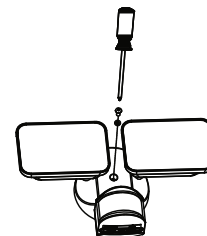
**Fig. 3**

5. Connect supply wires to the LED wires and secure with wire nuts (part 6).
  - a. Black to Black (live)
  - b. White to White (neutral)
 Secure the junction box's ground wire on the crossbar with the ground screw (part 1). Tuck the wires into the junction box. (See Fig. 4).



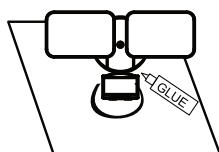
**Fig. 4**

6. Position the light fixture over the crossbar. Mount it to the crossbar using the nut (part 4) and screw (part 2). Make sure not to overtighten the nut. Make sure the motion sensor head is not upside down. Rotate the motion sensor so the sensor faces the detection area. (See Fig. 5)



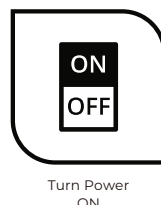
**Fig. 5**

7. After mounting the motion-activated light, apply a Silicone sealant compound (not included) around the perimeter of the cover plate. This will seal where the back of the cover plate meets the mounting surface. Sealant will prevent water from seeping into the junction box. (See Fig. 6)



**Fig. 6**

8. Turn on breaker and light switch. When the sensor detects movement at night within the coverage area, the security light will automatically turn on. Establish the time settings and maximum sensing range with the details below. (See Fig. 7)



**Fig. 7**

# MaxLite® 2-Head Security Light with Photocontrol/PIR Sensor

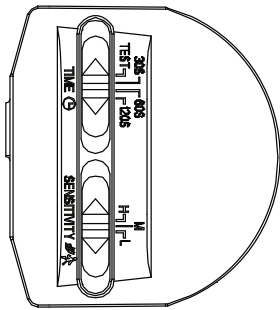


## Motion Sensor Settings

### Set Time Settings:

To test the security light, switch the light to TEST mode. Once testing is complete, switch to:

- 30S-The light will turn off automatically after 30 seconds when no other movement is detected.
- 60S-The light will turn off automatically after 60 seconds when no other movement is detected.
- 120S-The light will turn off automatically after 120 seconds when no other movement is detected.



**Fig. 8**

### Set Sensitivity Settings:

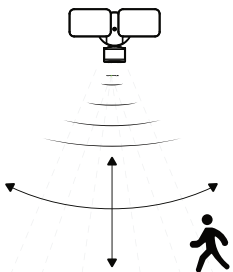
There are three (3) setting modes you can select to establish the motion detection range:

**L: 13ft-20ft (4m-6m)**

**M: 20ft - 33ft (6m-10m)**

**H: 33ft - 45ft (10m - 14m)**

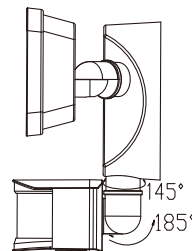
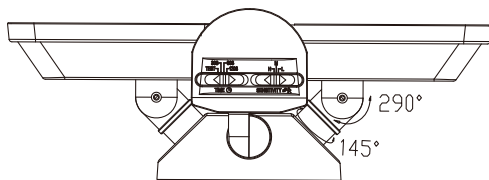
To determine which setting is best for your location and whether you need to reposition the LED heads lay down a measuring tape from light location extending outwards. Next, walk in an arc across the front of the light to set off the motion detector and turn on the light. You can also walk straight towards the light to determine the distance you require. Select the appropriate setting based on your findings.



**Fig. 9**

### Adjust and Rotate:

There are six (6) swivel points to adjust the light and sensor position.



**Fig. 10**

## MaxLite® 2-Head Security Light with Photocontrol/PIR Sensor



### Warranty Information

MaxLite Inc. warrants its products for a minimum period of **THREE (3)** years from the earlier of the actual installation date or 90 days after the original date of purchase from a MaxLite authorized distributor/dealer (the “Warranty Period”), as follows: If a Product fails to operate during the Warranty Period as a result of defects in materials or workmanship, MaxLite will, at its option, repair it, replace it with the same or like Product.

Please refer to Maxlite’s website (at <http://maxlite.com/resources/warranties>) for the complete coverage details as well as the terms and conditions of our warranty. Please note that it is NOT a requirement to register your warranty in order to initiate a warranty claim unless a Ten Year warranty has been purchased separately, or when applicable and/or purchased separately, your warranty contains a replacement labor allowance.

### **Limitation of Liability**

THIS WARRANTY IS EXCLUSIVE, AND IS THE SOLE REMEDY FOR ANY AND ALL CLAIMS, WHETHER IN CONTRACT, IN TORT OR OTHERWISE ARISING FROM THE FAILURE OF PRODUCT AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH WARRANTIES ARE HEREBY EXPRESSLY DISCLAIMED TO THE EXTENT PERMITTED BY LAW AND, IN ANY EVENT, SHALL BE LIMITED TO THE WARRANTY PERIOD SPECIFIED ABOVE. THE LIABILITY OF MAXLITE SHALL BE LIMITED TO THE TERMS OF THE EXPRESS WARRANTY SET FORTH HEREIN. IN NO EVENT WILL MAXLITE BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING, WITHOUT LIMITATION, DAMAGES RESULTING FROM LOSS OF USE, PROFITS, BUSINESS OR GOODWILL, LABOR COSTS, REMOVAL OR INSTALLATION COSTS, WHETHER OR NOT MAXLITE HAS BEEN ADVISED OF THE POSSIBILITY THEREOF. UNDER NO CIRCUMSTANCES SHALL MAXLITE’S ENTIRE LIABILITY FOR A DEFECTIVE PRODUCT EXCEED THE PURCHASE PRICE OF THAT PRODUCT (EXCLUDING LABOR WARRANTY COVERAGE WHERE SPECIFICALLY OFFERED BY MAXLITE). WARRANTY SERVICES PROVIDED UNDER THESE TERMS AND CONDITIONS DONOT ENSURE THE UNINTERRUPTED OPERATION OF PRODUCTS; MAXLITE SHALL NOT BE LIABLE FOR DAMAGES CAUSED BY ANY DELAYS INVOLVING WARRANTY SERVICE.

This Warranty gives you specific legal rights and you may also have other rights that may vary from state to state. Because some states or jurisdictions do not allow the exclusion or limitation of liability for consequential or incidental damages, such limitation may not apply to you.