

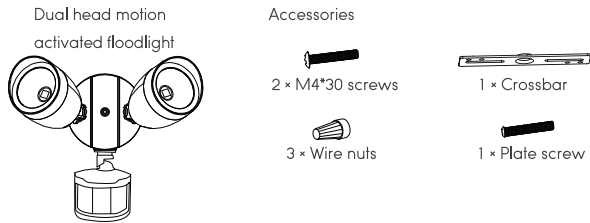
# 20W Dual Head Motion Activated Floodlight

## User Manual

### 01 / WARNING

- TURN OFF POWER FROM THE MAIN CIRCUIT BEFORE INSTALLING FIXTURE.
- The fixture can be used in wet location but DO NOT submerge it into the water.
- Make sure fixture is grounded per National Electrical Codes (NEC). Failure to install and wire fixture in accordance with the National Electrical Codes (NEC), all applicable Federal, State and Local electrical codes, as well as specific U.L. safety standards for the intended working environment (location/application), may cause serious personal injury, death and/or property damage.
- Risk of fire or electric shock, installation of the device requires knowledge of luminaries electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during installation.
- Do not alter, relocate or remove wiring, lamp holder, power supply or any other electrical components.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- Do not operate the device if there's any visible damage to the device.
- Do not operate the device if there are any signs of smoke, steam, over-heating or crackling noise can be heard from the device.
- The manufacturer will not be deemed liable or held responsible for any damage caused by faults or manufacturing defects that may be present in any of its products or the misuse or incorrect installation of the device.
- While performing installations described, gloves, safety glasses or goggles should be worn.

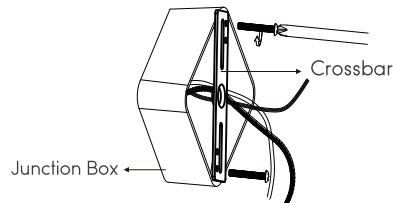
### 02 / PACKAGE CONTENT



### 03 / INSTALLATION

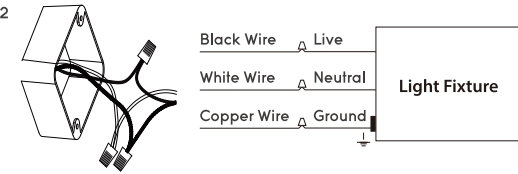
1. Attach the crossbar to the junction box (not included) with the screws.

Figure 1



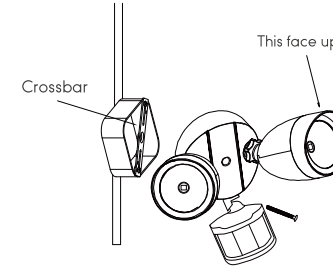
2. Connect the LED fixture to 120VAC 60Hz in accordance with local codes, support fixture while making connections.

Figure 2



3. Align mounting holes of lamp body to the crossbar and secure with the provided plate screw.

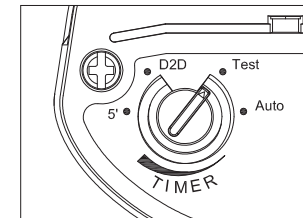
Figure 3



### 04 / OPERATING INSTRUCTIONS

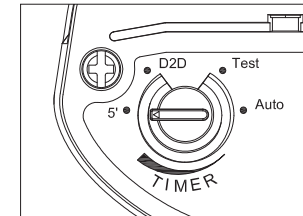
1. Test the motion sensor before setting the Time and Sensitivity. Turn the light on and let it warm up for 15 seconds. Turn the "Timer" control knob to "Test". The indicator light in the sensor will flash twice. The light will then turn on when motion is detected and will stay on for 5 seconds when motion stops.

Figure 4



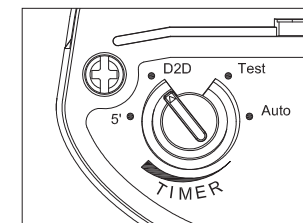
2. Auto Mode: Once tested for correct operation and sensitivity, turn the "Timer" control knob past "Auto". The indicator light will flash 4 times, it is now set to Auto Mode. In this mode, the light will stay on for 10s-5 minutes when motion is detected at night. Turning the knob between "Auto" and "5'" will change the length of time. It will not turn on during the day.

Figure 5



3. Dusk-to-Dawn Mode: Turn the "Timer" knob to the "D2D" position, the light in the sensor will flash 6 times to show the product is now in D2D mode. The light turns on at dusk and off at dawn, regardless of motion.

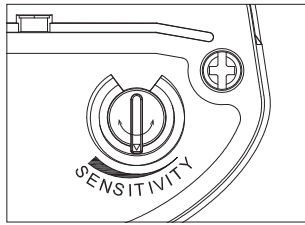
Figure 6



4. The control knob on the other side is marked "SENSITIVITY". Turning the knob clockwise will raise the sensitivity and increase the range to 60ft at max. Turning it counterclockwise will lower the sensitivity and the range at the lowest is 5ft. You may have to adjust the "SENSITIVITY" knob several times until the preferred setting is achieved.

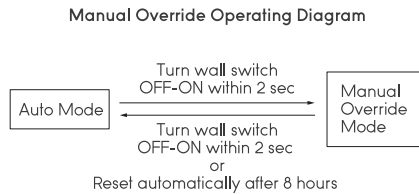
**NOTE:** Higher sensitivity levels increase the chances of false activation.

Figure 7



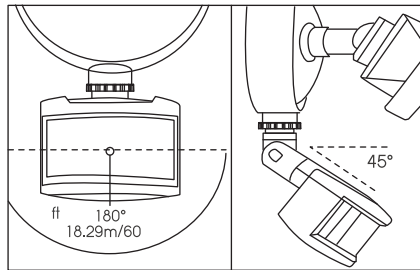
5. Manual Override: At night and under Auto Mode, turn the wall switch off then on within 2 seconds. The security light will turn and stay on for about 8 hours or until the sensor detects it's morning. Repeat this to return to Auto Mode.

Figure 8



**Installation NOTE:** Do not aim the sensor at the water, plants that move in the wind, traffic, etc., as this will trigger the sensor. Make sure the joint screws in the sensor arm are tightened.

Figure 9



## 05 / LIGHT OPERATION

MODE	CONTROL KNOB	WALL SWITCH	SENSITIVITY KNOB
Test mode.	Test position.	On.	Any setting.
AUTO motion sensor mode.	Timer area (between "Auto" and "5").	On.	Any setting.
Dusk to Dawn mode.	D2D position.	On.	Any setting.
Manual override mode.	Timer area (between "Auto" and "5").	Toggle OFF and ON within two seconds.	Any setting.
Return to AUTO motion sensor mode.	Timer area (between "Auto" and "5").	On.	Any setting.

## 06 / CARE AND MAINTENANCE

- **IMPORTANT:** This fixture uses LEDs (light emitting diodes) to provide light. LEDs do not burn out like traditional light bulbs and will last for 45 years or more (based on 3 hours of usage per day).
- Periodically clean the fixture and diffuser using a mild, non-abrasive cleaner and soft cloth. When cleaning the fixture, make sure the power is turned off. Do not spray cleaner directly onto any part of the fixture or LEDs.

## 07 / TROUBLESHOOTING

- Extremely 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 extremely cold weather.
- During extremely 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.	<ol style="list-style-type: none"> <li>1. No power is being delivered to the fixture.</li> <li>2. Another light source is causing the security light to regard it as daylight.</li> <li>3. Wiring inside electrical box came loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check that whether the circuit breaker and/or wall switch power is on.</li> <li>2. Turn off surrounding lights and/or re-aim the sensor head.</li> <li>3. AFTER turning power off to the fixture and circuit, reconnect any loose wiring.</li> </ol>
Security light comes on during the day.	<ol style="list-style-type: none"> <li>1. Dusk-to-Dawn sensor is in a shaded area and is fooled into thinking it is nighttime.</li> <li>2. Dusk-to-Dawn sensor is faulty.</li> </ol>	<ol style="list-style-type: none"> <li>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.</li> <li>2. If under warranty, contact Customer Service.</li> </ol>
Security light cycles ON and OFF continuously.	Dusk-to-Dawn sensor is sensing reflected light from the security light.	<ol style="list-style-type: none"> <li>1. Change the position of the light head, aim light away from the reflecting surfaces.</li> <li>2. Put a small piece of black electrical tape over the Dusk-to-dawn sensor.</li> <li>3. Relocate the security light to a different location where it no longer causes reflected light.</li> </ol>
Security light comes on for no apparent reasons at night.	Light is sensing motion in the detection zone.	<ol style="list-style-type: none"> <li>1. Make sure the sensor is not picking up moving objects such as bushes, trees, traffic, water, etc.</li> <li>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.</li> </ol>

## 08 / WARRANTY

LeonLite warrants that this product is free from defects in materials and workmanship for a period of 5 years from the date of purchase. This warranty does not apply if the product has been damaged through misuse, abuse, accident, modifications, alterations, neglect or mishandling.

**LeonLite**