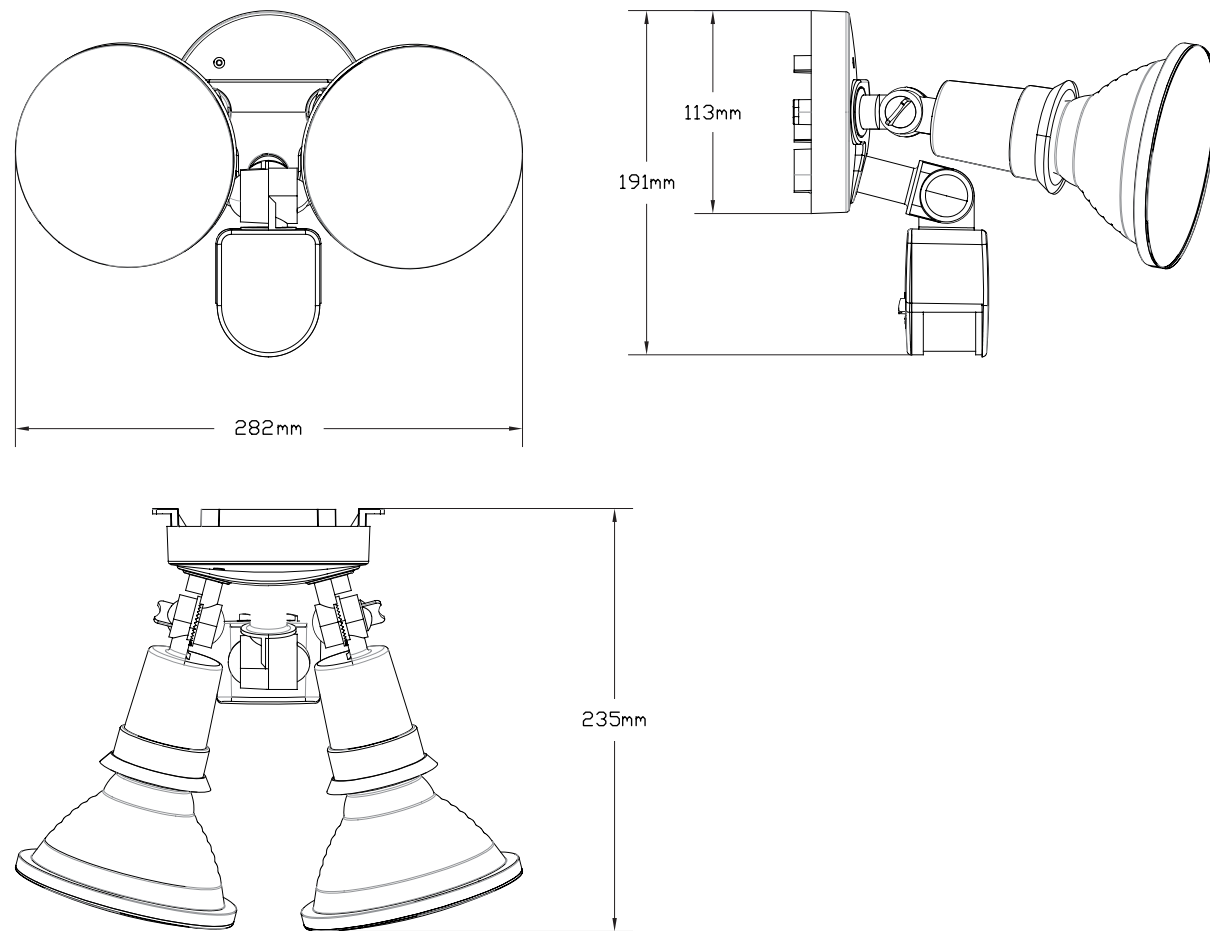## Disclaimers

1. This product must be installed and used as per these instructions.
2. This product should only be cleaned with a damp cloth. Cleaning agents and solvents should not be used.
3. The IP rating of this product is only valid when installed on a flat and non-porous surfaces. Additional sealing may be required for irregular surfaces. An IP rating of IP44 is generally considered suitable for external walls with supplementary protection such as overhanging eaves.
4. This product has been designed to minimise the effects of interference from off peak electricity signals. Interference in the form of light flicker is still possible in some cases depending on proximity to the signal injection point.
5. The fixing screws on this product should be tightened to a maximum torque of 0.8Nm. Over tightening may damage the product.
6. This product is not dimmable.
7. This product contains no serviceable parts and no attempt should be made to repair this product. If the product is faulty it should be discarded.
8. Severe electromagnetic interference from other products may cause malfunction of this product.
9. The material in this product may vary in colour from batch to batch. Colour matching from one batch to another cannot be guaranteed.
10. Electrical installations periodically receive transient over voltages. This product has been designed to minimise the effect of such voltages on connected equipment. It may not give full protection for extreme over voltage transients such as those resulting from a close lighting strike.
11. This product is not suitable for installation in hazardous and/or corrosive areas.
12. Lamp LED life is an average and will be reduced by frequent switching.
13. This product utilises intellectual property in the form of registered designs, trademarks, and/or patents. Such intellectual property remains the property of Legrand in all cases.
14. This product has been designed to operate in ambient temperatures of -10°C to 40°C.
15. Legrand reserves the right to modify the specifications of this product at any time.
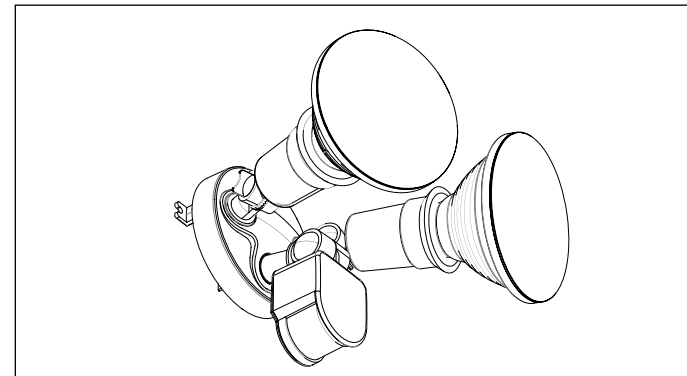

113mm
191mm
282mm
235mm

Introduction

This floodlight incorporates an automatic PIR sensor. The sensor continuously scans a preset operating zone and immediately switches the floodlight on when it detects movement from people and animals. It can be used to illuminate pathways, steps, patios, porches or other areas that require lighting for reasons of safety, convenience or security. Whilst there is movement within the scanning area the floodlight will remain on.

Where to fit your floodlight

Before selecting a place to install your floodlight you should note that movement across the scan area is more effective than movement directly toward or away from the sensor (refer FIG. 1B). If movement is made walking directly towards or away from the sensor and not across, the apparent detection range will be substantially reduced (refer FIG. 1A). Always mount the floodlight in a sheltered position, i.e. under the eaves of the house. Ideally the floodlight should be mounted 1.8-2.5m above the area to be scanned (refer to Fig. 3).
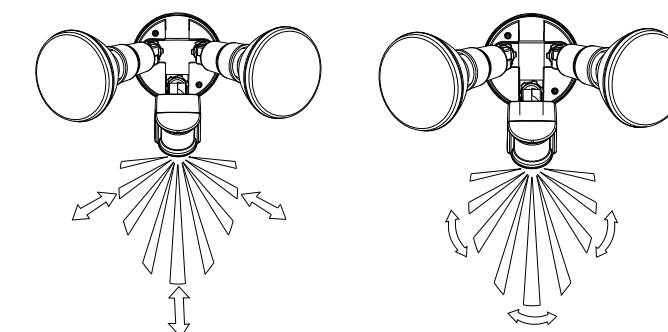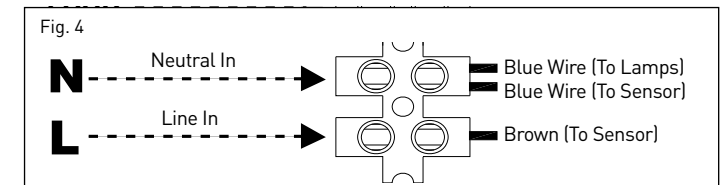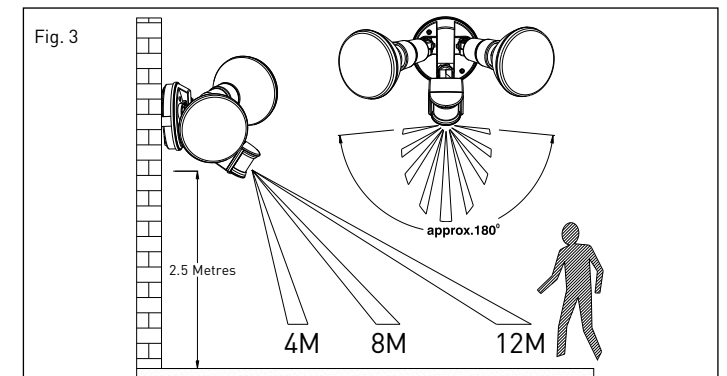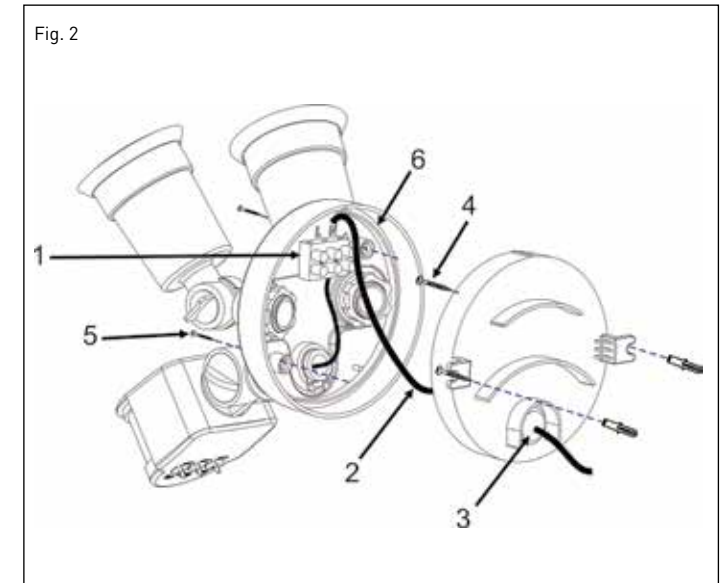

Fig. 2

Fig. 3
2.5 Metres
approx.180°
4M   8M   12M

Fig. 1A   Lowest Sensitivity   Fig. 1B   Highest Sensitivity

Fig. 4
N   Neutral In   →   Blue Wire (To Lamps) / Blue Wire (To Sensor)
L   Line In   →   Brown (To Sensor)

Installation

For installation refer to Fig.2
1. Installation must be carried out by a licensed electrician.
2. Switch power off at the meter box to isolate the circuit.
3. Unscrew the **Fixing Cover Screws** (Item 5) then remove the cover.
4. Remove the **Terminal Block** (Item 1).
5. Use the plastic back box to mark the position of the screw holes onto the mounting surface. Drill the wall to a depth of about 4cm and fit the wall plugs (supplied). Care should be taken to avoid drilling or screwing into concealed electrical wiring.
6. Connect the Power Cable to the **Terminal Block**, (refer to Fig4) . Ensure the cable passes through the **Cable Grommet** in the (Item 3) Base.
7. Affix the back box to the mounting surface with the **Mounting Wall Screws** (Item 4 - supplied).
8. Re-fit the **Terminal Block**.
9. Re-fit the cover and ensure **Gasket** (Item 6) is in place.
10. Insert the PAR38 lamps (supplied). Please ensure the sealing rubber is placed on the lamp holders prior to the installation of the PAR38 lamps to maintain IP rating.

Warranty

Legrand will honour all statutory guarantees that you as a consumer are entitled to rely upon under the Australian and

New Zealand Consumer Laws against a manufacturer, including a guarantee that this product is of acceptable quality.

To make a claim under any statutory guarantee you should first contact the supplier, or retailer from whom you purchased this product.

Customer Service

For all Customer Service and Technical Support please call Monday to Friday during business hours.

Legrand Australia
1300 369 777
www.hpm.com.au

Legrand New Zealand
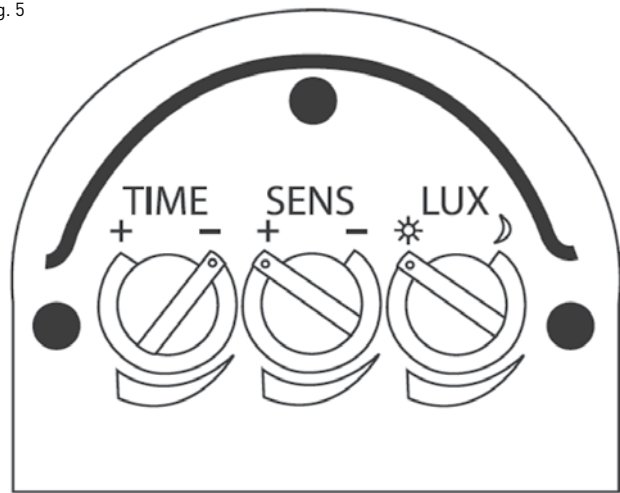0800 476 009
www.hpm.co.nz

ABN: 31 000 102 661

Setting the controls

Fig. 5

With floodlight fully installed by electrician and power on

1. Turn the LUX control knob to light (☀) position, turn the wall switch on and wait 30 seconds for the control circuit to stabilize. Ensure the TIME control knob is set at minimum (-). The lamps on the sensor light will now switch on and will remain on for about 10sec.
2. Direct the sensor toward the desired scanning area by adjusting the elbow joint and swivel joint on the sensor arm. Important: loosen all lock nuts and screws on sensor arm and lamp holders before making any adjustments.
3. Have someone move across the centre of the area to be scanned and slowly adjust the angle of the sensor arm until the unit senses the moving person, causing the lamps to switch on. (Refer Fig.1 B)
4. Adjust time control to required setting.
5. To set the light level at which the lamps will automatically switch "On", turn the LUX control knob from daylight to night. If the lamps are required to switch on earlier, e.g. dusk, wait for the desired light level, then slowly turn the LUX control knob towards daylight while someone walks across the centre of the area to be detected. When the lamps switch on, release the LUX knob. You may need to make further adjustments to achieve your ideal light level setting.

Important: when adjusting lamp holders, ensure that the PAR38 lamps are not touching or in close proximity to sensor head, heat from the PAR38 lamps may distort the unit. To avoid dust build-up and ensure proper functioning of the sensor light, wipe the sensor lens lightly with a damp cloth every 3 months. Never modify the unit, there are no user serviceable parts inside.
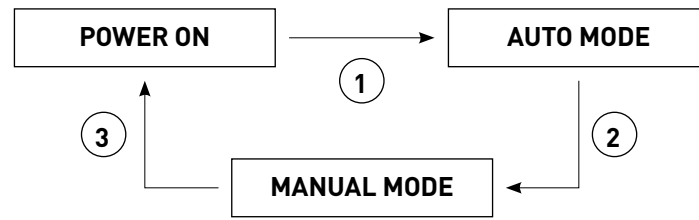
Understanding the controls

Adjusting the duration time

The length of time that the unit remains switched on after activation can be adjusted from 10±5 seconds to 7±3 minutes. Rotating the TIME knob anticlockwise from (+) to(-) reduces the duration time. Note: Once the light has been triggered by the PIR sensor any subsequent detection will start the timed period again from the beginning.

Adjusting the LUX control level

The LUX control module has a built-in sensing device (photocell) that detects daylight and darkness. Rotate the LUX knob anticlockwise from light (☀) to dark (☾). The (☀) position will allow the floodlight to work day and night, and the (☾) position works only at night. You can set the unit to operate at the desired level by adjusting the LUX knob.

How to change into manual control mode (LFSM043KBL ONLY)

1. When power is first switched on, the PIR detector enters into the WARM-UP period for about 30 second, then automatically changes into AUTO MODE.
2. During AUTO MODE, by switching the ON/OFF main switch OFF & then ON twice in about 3 seconds, the PIR detector will change into MANUAL MODE.
   In MANUAL MODE, the flood light will remain ON when the ambient light <70lux. When the ambient light >70lux, the PIR detector will automatically change back to AUTO MODE.
3. During MANUAL MODE, by switching the ON/OFF main switch OFF & then ON twice in about 3 seconds, the PIR detector will change into AUTO MODE.
4. During AUTO MODE or MANUAL MODE, by switching off the ON/OFF main switch over 10 seconds and then ON again, the PIR detector will reset to WARM-UP period.

DESCRIPTION		
Cat No	LFS043KBL 2xPAR38 LED SENSOR AUTO	LFSM043KBL 2xPAR38 LED SENSOR - Auto/ MANUAL
Fixture with Sensor Only		
Switching	Auto Only	Auto with Manual Override (Manual override works when ambient light is < 70 lux)
Tilt Angle / Adjustable head	160° Vertical/ 300° Axial	
IP Rating	IP44	
Mounting height	2.0 - 4.0m	
Insulation Class	Class II	
Max Rating	150W PAR38	
Sensor Function		
Ambient Light	3-2000 LUX (adjustable)	
Time-delay	MIN: 10sec±3sec MAX:7min±2min	
Detection Range	180°	
Standby Power	0.6W	
Detection Distance	3~12m @ 24˚C Ambient (adjustable)	
Detection Motion Speed	0.6~1.5m/s	
Supplied With 2x lamps (8W LPAR38024KES)		
lumen package	1600 lm	
CCT	4000K	
Supply Voltage	230-240V ~ 50Hz	
Input Power	16W	
Efficacy	100 lm/W	
Colour Rendering Index (CRI)	80+	
Beam Angle	110° Each Lamp	
Lifespan	30,000hrs	
Dimmable	N/A	
Weight (Including lamps)	700 gms	

Replacement Lamps	HPM Codes
Lamp (supplied)	8W LPAR38024KES Cool white
Alternate Lamp 1	14W LPAR38013K Warm white
Alternate Lamp 2	MP38 (150W Incandescent)

PROBLEM	POSSIBLE CAUSE	SUGGESTED REMEDY
Light does not switch on when there is movement in the detection area.	1. No mains voltage.	Check all connections, and fuses/switches.
	2. Lamps faulty or missing.	Check. Replace.
	3. Nearby lighting is too bright.	Redirect sensor or relocate the unit.
	4. Controls set incorrectly.	Readjust sensor angle or control knob.
	5. Sensor positioned in wrong direction.	Redirect sensor and/or adjust.
Light switches on for no apparent reason. (False triggering)	1. Heat from lamp activating sensor.	Adjust lamp holders to allow a minimum gap of 40mm between PAR38 lamp and sensor head.
	2. Heat sources such as air con, vents, heater flues, barbecues, other outside lighting, moving cars are activating sensor.	Adjust direction of sensor head away from these sources.
	3. Animals/birds e.g. possums or domestic animals.	Redirecting sensor head may help.
	4. Interference from on/off switching of electric fans or lights on the same circuit as your floodlight. (This problem does not always occur but a faulty switch or noisy fluorescent light may cause the floodlight to switch on.)	Should the false triggering become troublesome, consider: (a) Replacing a faulty switch. (b) Replacing noisy fluorescent tubes or starters. (c) Connecting the floodlight to a separate circuit (In most cases where one or more of the above suggestions have been carried out, false triggering has been reduced).
	5. From swimming pool reflection or reflective surface.	Redirect sensor.
	6. Unit is more sensitive during the colder months. Unit is sensing moving trees etc.	Turn sensitivity dial anti-clockwise to reduce sensitivity.
Light remains on.	1. Continuously false triggered.	Redirecting sensor head may help.
	2. Time is set too long.	Reduce time.
	3. Floodlight is in MANUAL MODE (LFSM043KBL ONLY)	Change to AUTO MODE.
Light switches on during daylight.	1. LUX control knob is set to daylight position.	Turn the LUX control knob to desired light setting.
When setting controls in daylight the detection distance becomes shorter.	1. Interference by sunlight.	Re-test at night.