

# Installation Sheet FLPIR50

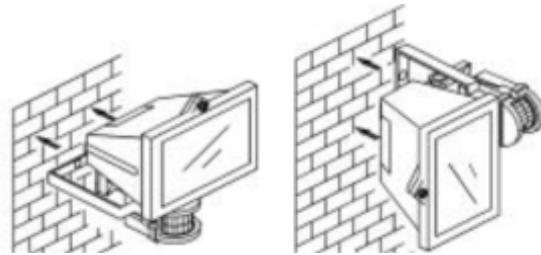
## LEDTEK® 50 WATT PIR LED Floodlight

Please read these instructions before commencing installation and retain them for future reference.

IP44   220/240V 50W

### SAFETY PRECAUTIONS

- Switch off the power source before installation.
- Install a minimum distance of 1m away from ground.
- The unit must be installed in the horizontal position (Figure 1a), not vertically (Figure 1b).



1a **HORIZONTAL**  
1b **VERTICAL**

Figure 1a & 1b

### INSTALLATION INSTRUCTIONS

1. If in doubt consult a professional electrician.
2. Unscrew the floodlight from its wall bracket as indicated in Figure 2, part 4.
3. Line up the wall bracket holes and drill three holes into the wall. Use appropriate size rawl plugs and screws to fix the bracket to the wall.
4. Screw the floodlight on to its wall bracket and tighten firmly, angling the light as required.
5. When connecting the power cable into the PIR sensor housing, please follow the wiring instructions opposite.
6. After connecting the power supply, the installation has been completed.

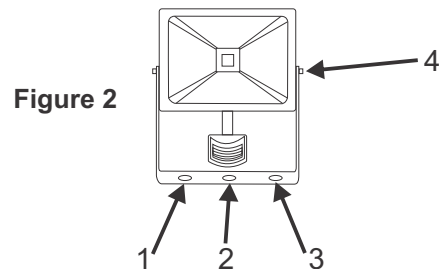
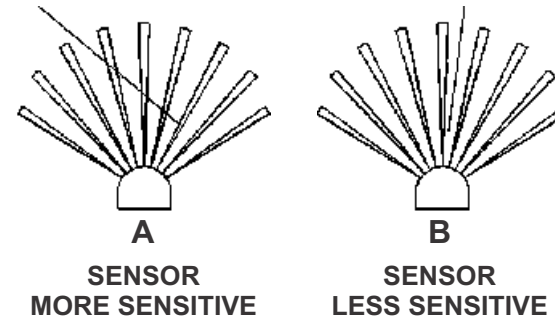


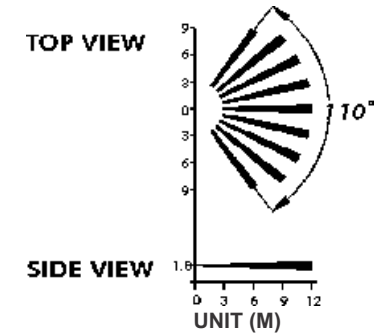
Figure 2

### CHOOSING A MOUNTING LOCATION

- For the best results, fix your sensor on a solid surface, 1.8~2.5M above the ground.
- For outdoor installation, a location under eaves is preferable.
- Avoid aiming the motion sensor at pools, heating vents, air conditioners or objects that may change temperature rapidly.
- Do not allow sunlight to fall directly on the front of unit.
- Try to avoid pointing the unit at trees or shrubs or where the motion of pets may be detected.
- When choosing the mounting position consider that the sensor is more sensitive to motion across the detection field (A) and less sensitive to motion directly towards the sensor (B) (Figure 3).
- Select a location for the unit based on the coverage angles shown in Figure 4.

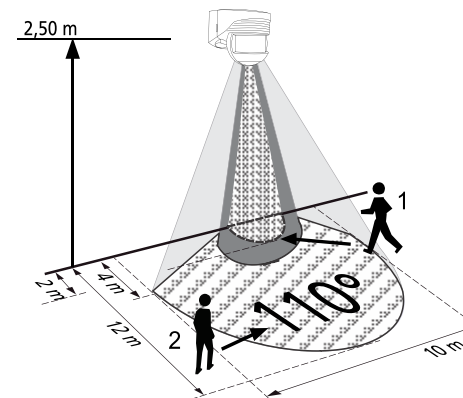


SENSITIVITY TO MOTION  
Figure 3



COVERAGE ANGLES  
Figure 4

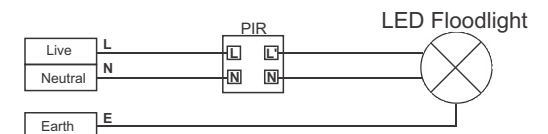
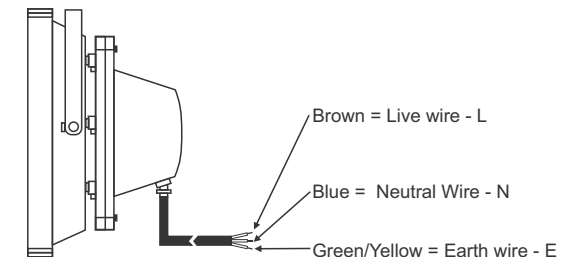
### COVERAGE RANGE



- 1 ■ Walking Towards
- 2 ■ Walking across

### WIRING INFORMATION

Wired with three core (w/o plug)	<b>240V Input (Figure 5)</b>
	Brown = Live
	Blue = Neutral
	Green/Yellow = Earth



240V Input Figure 5

- **Pulse Override facility** to enable lighting to be switched on for long periods using an existing switch. For pulse override switch the power OFF then ON again within 2 seconds to enable constant light. In constant light mode turn OFF and ON after 5 seconds to enable sensor mode.

## SETTING THE LIGHT SYSTEM

### (1) TEST MODE

- Turn the Light control and the time control anti-clockwise to the edge – the TEST position. Set the SENS control to its midpoint (Figure 6).

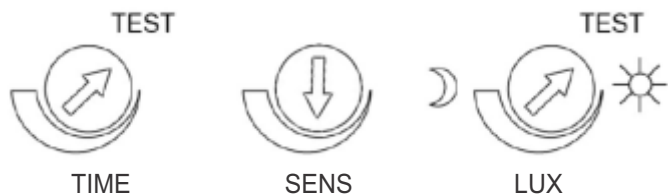


Figure 6

- Turn on the wall switch. The floodlight will turn on for about 1 minute to warm up. Then it turns off. Walk through the detection area. The floodlight turns on when you move and turns off when you stop. Wait for the floodlight to turn off before moving again to test the sensor.
- Adjust the motion sensor to cover the desired detection area. For a smaller coverage area, point the sensor down; for a larger coverage area, point the sensor up.

### (2) TIME ADJUSTMENT

- The TIME adjustment controls how long the floodlight will stay on after the motion has been detected.
- Turn the time control knob clockwise to increase (up to about 10 minutes) how long the floodlight stays on or anti-clockwise to decrease (down to about 5 seconds) the time delay (Figure 7).

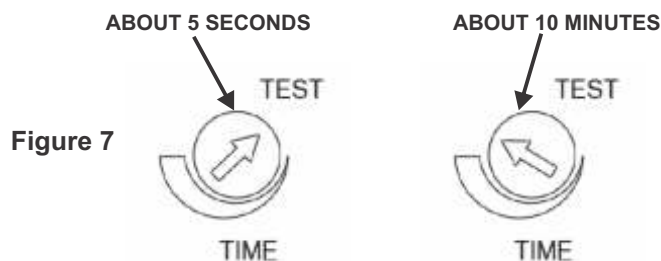


Figure 7

### (3) LUX ADJUSTMENT

- The LUX adjustment determines at what light level the lighting system will start operating when you set the sensor to automatic operation.
- Provisionally turn the LUX control knob to the edge clockwise at the moon (dusk) position (Figure 8). In this provisional setting mode, the motion sensor remains inactive during daylight. At dusk when the light level is at the LUX required, simply set the LUX control knob to the position that the motion sensor will become active as daylight declines.



Figure 8

### (4) SENSOR ADJUSTMENT

The sensitivity adjustment may be adjusted to compensate for seasonal variations in temperature and to reduce unwanted triggering. The optimum sensitivity can be achieved by setting the SENS control knob initially to its mid-point and then adjusting the control knob clockwise to increase (up to 12 meters) the detecting distance or anti-clockwise to decrease (down to 3 meters) the detecting distance.

## SPECIFICATIONS:

Power Requirement	220V - 240V
Lighting Load	Max. 200W
Detection Angle	Up to 110° at 20°C
Detection Distance	Up to 12m at 20°C
Swiveling Angle	Lamp Part: Vertical 90°; Sensor Part: Horizontal 50°, Vertical 40°
Mounting Height	Recommended 1.8 ~ 2.5m (5.9 ~ 8.2 ft) Wall Mount
Time Adjustment	5 sec ~ 10 min
Lux Adjustment	Approx. 0 ~ 1,000 Lux.
Operating Temperature	-20°C ~ +40°C
Protection Class	Class I
Floodlight Protection Rating	IP65
PIR Protection Rating	IP44
Wall Switch Control	Pulse Override

## INSTALLATION NOTICE:

- When installing or replacing the fixture, the electrician should be clear about the product model number and power supply data. The power source should be isolated and switched off.
- Working temperature: -30° - +55°, using under ventilated condition.