Installation Sheet  LTFL10PIR

LED LITE™ 10 WATT PIR LED Floodlight

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

IP44 ☑ 110/240V 10W

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).

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.

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.

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STANDARD CONNECTION

The fitting comes pre wired with a 4 core cable to facilitate a manual override connection as an option. Should you wish to connect the fitting as a standard fitting please ignore the black core and connect the other three cores as follows: Green/yellow should be connected to earth; grey core to the neutral power input and brown to the live power input. (see Figure 5b)
As such, referring to Fig 5a simply cancel the black switch live connection.

MANUAL OVERRIDE FACILITY

A manual override facility utilizes a second live feed in order to bypass the sensor thus allowing one to permanently switch on your flood light.
In order to manually override the PIR sensor using an in line switch, the Brown core (Live) is being used as a permanent feed to the sensor and the Black core (Switch Live) to be utilized for the switch feed. (see Figure 5c)
SETTING THE LIGHT SYSTEM

(1) TEST MODE
• Turn the Light control and the time control anti-clockwise to the edge – the TEST position. (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).

(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.

SPECIFICATIONS:

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

1. 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.