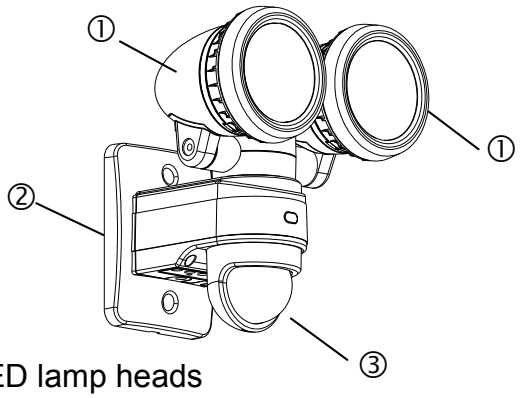
TITAN

10W x 2 LED FLOODLIGHT



① LED lamp heads
② Wall mount / terminal block
③ PIR detector

INTRODUCTION

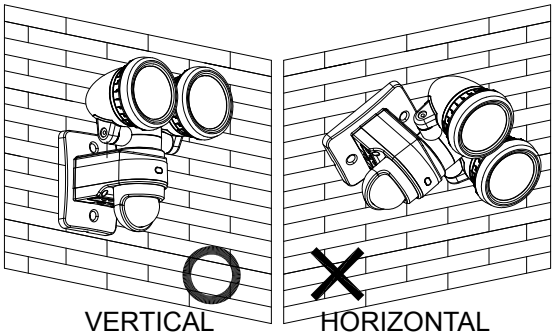
The Titan twin head 20W LED Floodlight offers you an economical lighting solution with extremely low energy consumption.

During darkness, the built-in passive infrared (PIR) sensor turns on the Floodlight when the PIR sensor detects a moving heat source in its coverage area. During daylight, the built-in photocell sensor saves energy by deactivating the Floodlight.

Note: Please read this entire manual before you start installation.

SAFETY PRECAUTIONS

- DO NOT install when it is raining.
- Isolate the power supply before installation.
- UK Building Regulations require outdoor mains installations be carried out by a qualified electrician.
- BS7671: 2008 IEE Wiring Regulations must be complied with in all respects.
- HO5RNF round flexible cable and drip loops must be used to avoid water ingress damage to the unit.
- Ensure that the power supply is protected by a 6A circuit breaker or suitable fuse.
- Ensure minimum distance of 0.5m away from lighted objects.
- The unit must be installed vertically (FIGURE 1a) NOT horizontally (FIGURE 1b).



VERTICAL
FIGURE 1a

HORIZONTAL
FIGURE 1b

CHOOSING A MOUNTING LOCATION

- For the best results, mount the Floodlight onto normal brickwork 2.5m above the ground.
- Avoid aiming the PIR sensor at pools, heating vents, air conditioners or objects that may change temperature.
- Avoid pointing the PIR sensor at trees or shrubs or where the movement of pets or animals may be detected.
- Avoid locations where direct sunlight will shine onto the front of the PIR sensor for long periods, deterioration of the Fresnel lens may occur leading to poor triggering response.
- Prior to mounting, keep in mind that the PIR sensor is more sensitive to a heat source moving across its coverage area and less sensitive to a heat source that moves directly towards the PIR sensor (FIGURE 2).

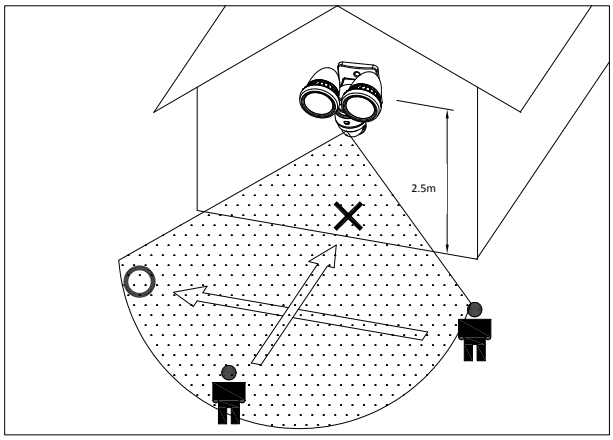
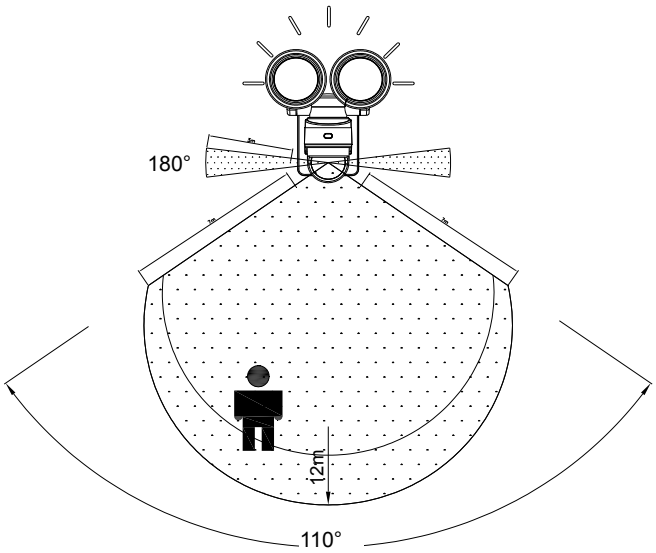


FIGURE 2

Select a location for the unit based on the coverage angles shown in FIGURE 3.



COVERAGE ANGLES
FIGURE 3

WIRING INSTRUCTION

(1) WARNING isolate the power supply. An internal single pole wall switch is recommended to allow easy control of the floodlight.
(2) Detach the wall box by unscrewing the screw adjacent to the control knobs (retain the screw for later use). (FIGURE 4)

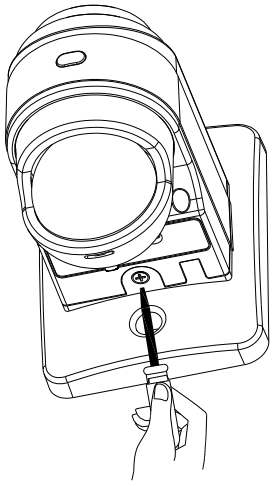


FIGURE 4

(3) Use a braddle to punch a small hole in the cable grommet, enabling the supply cable to enter the wall box.
(4) Route the supply cable through the cable grommet. A drip loop is required between the wall box and the wall to avoid water ingress.
(5) Determine the correct location to mount the floodlight. Use the wall box as a template to mark the fixing holes on the wall. Drill the holes and insert the plastic wall plugs supplied. Fix the wall box using the screws provided. (FIGURE 5)

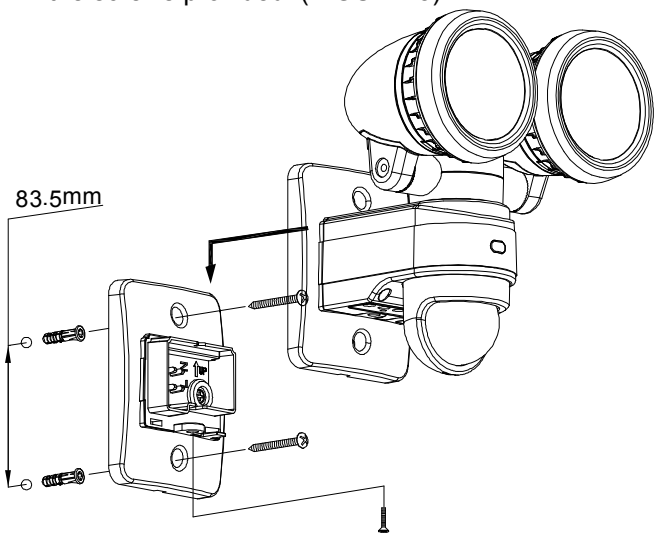


FIGURE 5

(6) Strip approximately 6-8mm of inner core insulation from the supply cable.
(7) Connect the BROWN wire (Live wire) to the terminal marked “L”.
Connect the BLUE wire (Neutral wire) to the terminal marked “N”. (FIGURE 6)
NB: The floodlight is double insulated no earth is required.

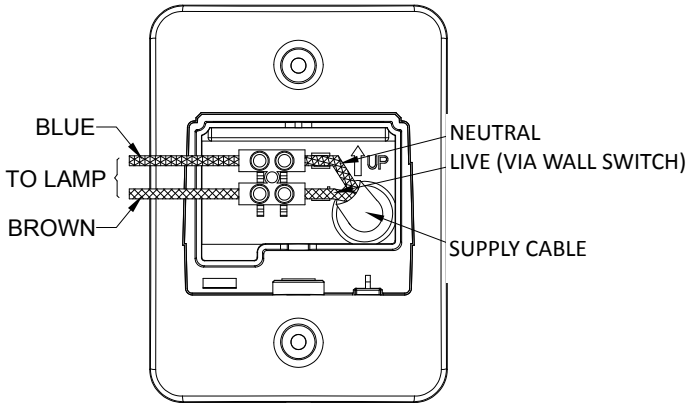


FIGURE 6

(8) Locate and mount the Floodlight onto the wall box and secure with the retaining screw (DO NOT over tighten).

ANGLE ADJUSTMENTS

The LED Lamp Heads can be adjusted 45° left and 45° right; the PIR sensor can be adjusted 90° left and 90° right. (FIGURE 7a)

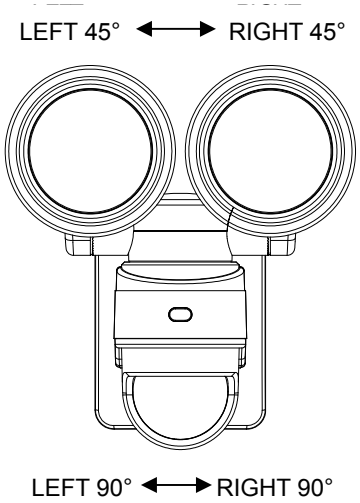


FIGURE 7a

The LED Lamp Heads can be tilted 37.5° down. The PIR sensor has an adjustment slider on the rear of the unit. This slider is used to tilt the angle of PIR sensor down to 30° maximum. (FIGURE 7b)

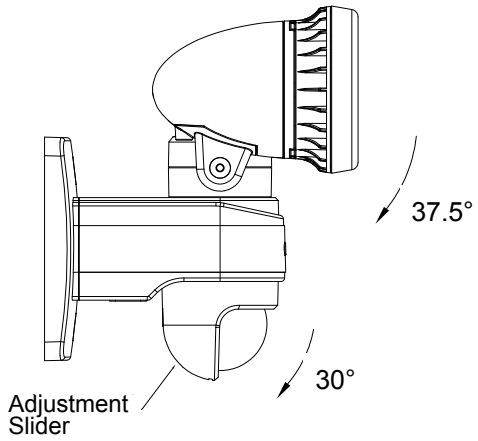


FIGURE 7b

SETTING THE LIGHTING SYSTEM

(1) TEST MODE

- Turn the LUX control and the TIME control counterclockwise to the TEST position. (FIGURE 8)

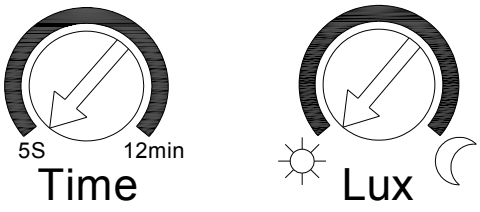


FIGURE 8

- Turn on the wall switch. The unit will start warm up sequence for about 60 seconds. After warm up it will automatically revert to automatic operation. During the warm-up period the lights will stay on.
- Walk through the detection area. The lights turn on when you move and turn off when you stop. Wait until the lights turn off and then move again to test the sensor.
- Adjust the motion sensor to cover the desired detection area. For a smaller coverage area, tilt the sensor down; for a larger coverage area, tilt the sensor up.

(2) TIME ADJUSTMENT

The TIME adjustment controls how long the light will stay on after motion has been detected.

Turn the TIME control clockwise to increase (up to 12 minutes) the time the lights stay on for or counter clockwise to decrease (down to 5 seconds) the time the lights stay on for. (FIGURE 9).

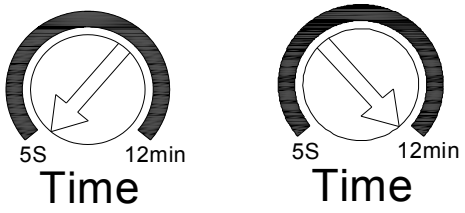


FIGURE 9

(3) LUX ADJUSTMENT

The LUX control determines the ambient Lux level the lights will turn on when the sensor is in automatic operation.

The Lux level can be set between 30 and 200 Lux. Turn the LUX control clockwise to the MOON position and the lights will only turn on at night (below 30 Lux). Turn the LUX control knob counterclockwise to increase the Lux setting. Set the control to suit your requirements. (FIGURE 10)

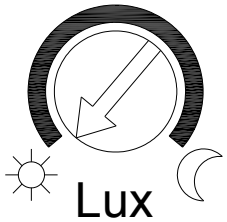


FIGURE 10

OPERATION

Depending on your requirements you can switch the unit between the following operation modes: Automatic Operation and Manual Override.

(1) Automatic Operation
Turn on the wall switch. After about 60 seconds warm up the PIR sensor will enter automatic operation. When the PIR sensor detects a moving heat source and the ambient light level is lower than the LUX setting, the light will automatically turn on. The light will stay on for the duration of the TIME setting and then turn off. Note that if another moving heat source is detected while the light is still on, the timer will restart.

(2) Manual Override
To keep the light on regardless you can override the automatic operation. To enable manual override mode, first ensure that the light is on and then turn the wall switch off and on twice (off-on, off-on) within 3 seconds. The interval between each operation must be 0.5 to 0.75 seconds.

In Manual Override mode, the light will remain on for around 5 hours. After 5 hours the light will turn off and the motion sensor will revert to automatic operation.

You can also manually set the motion sensor back to automatic operation by turning off the wall switch for at least 10 seconds and then turning it back on.

TROUBLESHOOTING

Lights do not turn on ● Make sure the wiring connection is correct. ● Ensure that you are within detection range. Adjust the PIR sensor angle if necessary. ● Adjust the LUX control knob by turning it counterclockwise.
Lights remain on ● Make sure the wiring connection is correct. ● Adjust the TIME control knob by turning it counterclockwise. ● Make sure that the unit is not in Manual Override mode.
Others ● Check with your electrician who did the installation.

SPECIFICATIONS *	
Power Requirement	AC 220 - 240V / 50Hz
Lighting Load	20W (10W x 2) LED
Color Temperature (K)	5000K
CRI	>70
Lumen (lm)	Up to 1100lm (550lm x 2)
L70 Life Span (hours)	Up to 30000 hr
Detection Angle	Up to 180° at 2.5m Height
Detection Range	Up to 12m at 2.5m Height
Projection Area	$7m^2$
PIR Sensor Adjustment Angles	Up to 90° Left Up to 90° Right Up to 30° Down
LED Heads Adjustment Angles	Up to 45° Left Up to 45° Right Up to 37.5° Down
Mounting Height	Recommended 2.5m Brick Wall Mount
Time Adjustment	5 seconds - 12 minutes
Lux Adjustment	30 - 200 Lux
Operation Mode	Auto/Manual override
Warm Up Time	About 60 seconds
Working Temperature	-20°C to +40°C
Dimension	201 x 185 x 167(mm)
Protection Class	Class II Double Insulated
IP Protection	IP44
Safety	CE

Specifications are subject to change without notice.

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Environmental Concerns:

Please DO NOT dispose of electrical appliances as unsorted waste, use the recycling facilities provided by your local authorities.

Please DO NOT dispose of packaging as unsorted waste, use the recycling facilities provided by your local authorities.