

# saxby lighting



## Vanguard

RP500 - 400W Halogen Floodlight

RP500B - 400W Halogen Floodlight

Thank you for purchasing this light fitting.  
Please read the instructions carefully before use to ensure safe and satisfactory operation of this product.  
Please retain these instructions for future reference.

## Warning

### **This is a Class I product and must be earthed.**

Please read these instructions carefully before commencing any work.

This unit must be fitted by a competent and qualified electrician.

Install in accordance with IEE Wiring regulations and current Building Regulations.

To prevent electrocution switch off at mains supply before installing or maintaining this fitting. Ensure other persons cannot restore the electrical supply without your knowledge. If you are in any doubt, please consult a qualified electrician.

This light fitting should be connected to a fused circuit.

If replacing an existing fitting, make a careful note of the connections.

Always use the correct type and wattage bulb. Never exceed the wattage stated.

When changing a bulb, always switch off at the mains and allow the old bulb to cool down before handling.

Dispose of used bulbs carefully and responsibly.

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist.

Check with your local authority or retailer for recycling advice.

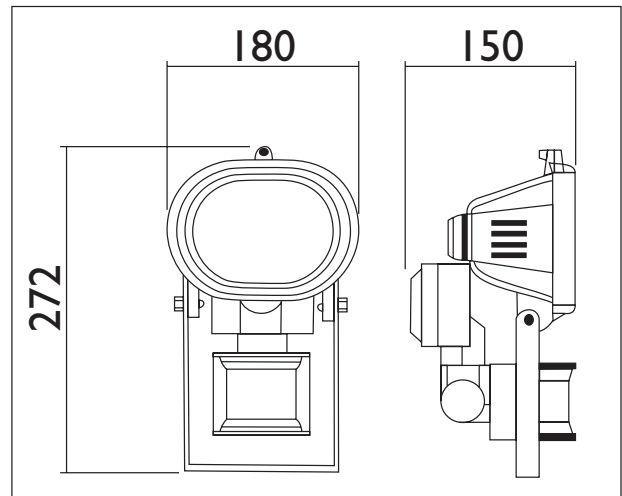
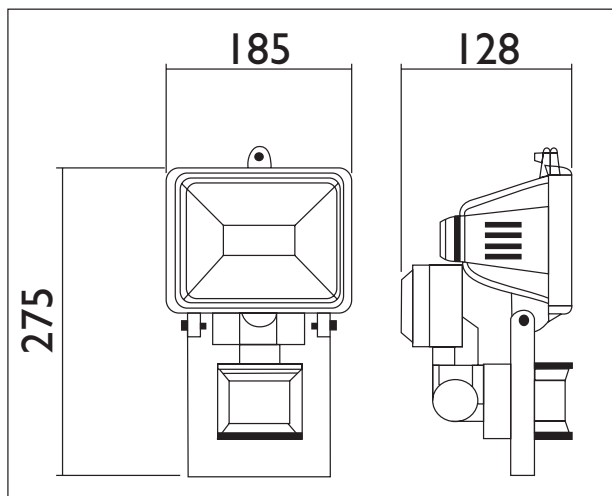
This product is rated at IP44.

This product is not suitable for location in or near a marine environment.

The entire unit gets hot whilst on for a period of time.

## Specification

Voltage:	240V 50Hz a.c.
Lamp:	400W R7s 117mm
IP rating:	44



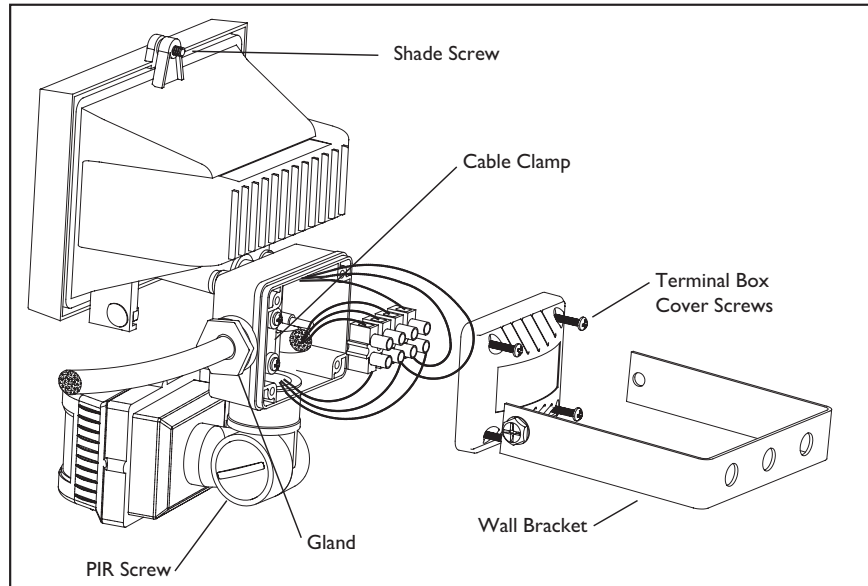
## Layout

- Plan the desired layout of this fitting carefully, ensuring the cables will reach the distance between the junction box and the light fitting.
- Avoid locating any cables in positions that would cause a hazard. Position cables and outdoor rated junction boxes (not supplied) away from areas where they may be at risk from being cut, trapped or damaged.
- We recommend that you use H05RN-F specification cable (not supplied) which is an outdoor grade, rubber sheathed cable. The mains supply cable must have a minimum cross sectional area of 1.0mm<sup>2</sup>
- Cables must be protected using suitable conduit or plastic trunking.
- The sensor is designed for optimum performance when mounted 2.5 meters above ground level.
- Avoid positioning close to trees or shrubs which may cause false triggering during wet, windy weather.
- Avoid pointing at or positioning close to heat sources such as flues or heat extraction units, which may cause false triggering.
- The sensor is most sensitive to movement across the detection area as opposed to directly towards or away from the unit.

## Installation

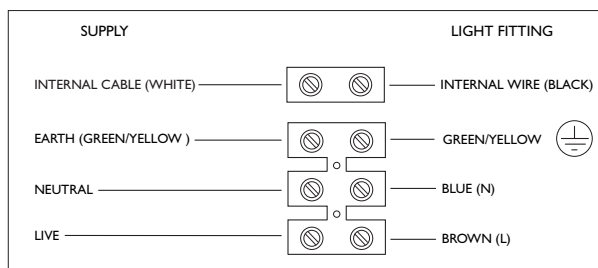
Existing fittings must be completely removed before installation of a new product. Before removing the existing fitting, **carefully note the position of each set of wires**.

1. Undo the four screws covering the terminal block and remove.
2. Mark the mounting hole positions onto the wall. Drill and plug the wall at the marked positions. Ensure the wall is capable of holding the weight of the product. Take care to avoid damaging any concealed wiring and pipes. The correct fixings should be used for brick or cavity walls. Fix to the wall
3. Undo the screws holding the cable clamp and set aside. Pull the cable through the gland.
4. Wire the product as detailed below.



## Wiring

Having correctly identified the wiring from your existing light fitting, pull the wire through the hole and connect to the connection block inside the product in the following way:



### Check that.....

You have correctly identified the wires.

The connections are tight.

No loose strands have been left out of the connection block.

## Check That

You have correctly identified the wires.

The connections are tight.

No loose strands have been left out of the connection block.

## Commissioning

5. Pull the cable through the gland, and secure the supply cable under the clamp. Tighten the gland.
6. Refit the terminal block cover using the four screws.
7. Replace fuse or circuit breaker and switch on. Your light is now ready for use.

## Fitting / Replacing Bulbs

When changing a bulb, always switch off at the mains and allow the bulb to cool before handling. Dispose of used bulbs carefully. Use a soft cloth to handle bulbs, avoid directly touching the bulbs as this will shorten their life.

Do not exceed the wattage stated or use a different shape bulb from that indicated on the fitting.

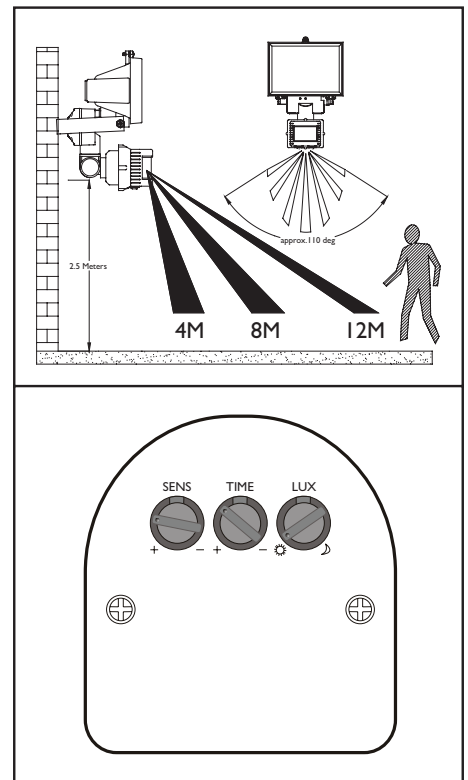
Undo the screw on the top of the shade to access the bulb.

400W MAX R7S 117mm



## PIR Operation

1. The detection area of the PIR is as shown in the top diagram.
2. Adjusting the Time: The length of time that the fitting remains switched on after activation can be adjusted from 10 ( $\pm 5$ ) seconds to 4 ( $\pm 1$ ) minutes. Rotating the **Time** knob from (+) to (-) will reduce 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.
3. Adjusting the Daylight Control Level: The **Daylight** control module has a built in sensing device (photocell) that detects daylight and darkness. Rotate the **Daylight** knob clockwise from light (sun) to dark (moon). The (sun) position denotes that the floodlight can work at day and night, and the (moon) position only works at night. You can set to operate the unit at the desired level by adjusting the **Daylight** knob.
4. Put the **Daylight** control knob to light (sun) position, turn the wall switch on and wait 30 seconds for the control circuit to stabilize. At this stage ensure that the TIME control knob is set at minimum duration time (-) position (Rotating the **Time** knob clockwise to the stop-position). The floodlight will now switch on and remain on for about 30 seconds (within 60 seconds).
5. Direct the sensor toward the desired area to be scanned by adjusting the swivel joint on the sensor arm,  
**Important:** loosen the lock nuts and screws on the sensor and floodlight before making any adjustments.
6. Have another person move across the center of the area to be scanned and slowly adjust the angle of the sensor arm until the unit senses the presence of the moving person, causing the flood light to switch on.
7. Adjust time control to required setting.
8. To set the light level at which the floodlight will automatically switch 'on' at night, turn the **Daylight** control knob from daylight (sun) to night (moon). If the floodlight is required to switch on earlier, e.g. dusk, wait for the desired light level then slowly turn the **Daylight** control knob towards daylight while someone walks across the center of the area to be detected. When the floodlight switches on release the **Daylight** control knob. You may need to make further adjustments to achieve your ideal light level setting.



## Care and Cleaning

We recommend cleaning with a soft dry cloth.

Do not use solvents or abrasive cleaners as these could damage the finish.

Glass parts - Clean using a damp cloth. Do not use abrasive materials as these will damage the finish.

**Do not clean the units with a pressure washer.**

## Recycling Advice

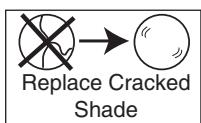


Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

## Safety Information

For your safety, always switch off the supply before changing lightbulbs, or cleaning.

This system contains non-replaceable parts and cannot be serviced. If damage occurs the part should be scrapped.



The shade must be replaced immediately should the shade become cracked or damaged. This fitting must not be used without the shade in place.



Saxby Lighting Ltd. BH23 3PE