OPERATION

Controls for the floodlight are located under the removable cover:

VCS-20-PIR - With PIR

TIME LUX

PIR POWER

VCS-20 - Without PIR

LUX
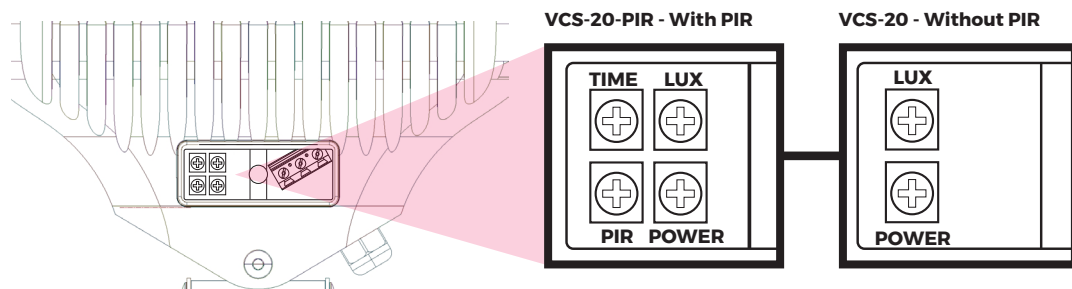
POWER

Power: Adjusts output power of LEDs
LUX: Adjusts ambient light level of which floodlight operates
PIR Range: Adjusts the range sensitivity of the PIR motion sensor
Time: Adjusts floodlight on time when PIR is triggered

NOTE: To switch on floodlight continuously follow the following sequence.

1. Switch power on
2. After 1-2 sec turn off
3. After 1-2 sec turn on
4. Floodlight will remain **on** until the power is removed.

20W Floodlight without PIR
Model: VCS-20

20W Floodlight with PIR
Model: VCS-20-PIR

Clarius® STAR
Floodlight

IMPORTANT OPERATION & MAINTENANCE INSTRUCTIONS

⚠ DO NOT position the light near flammable or combustible materials (such as wood, cloth, paper) or near flammable, combustible or explosive liquids, solids, gases or equipment.

⚠ DO NOT direct the light into a persons eyes. The light has a very intensive light output, which if incorrectly used could cause eye damage.

⚠ ALWAYS disconnect the mains power supply before servicing or performing any maintenance.

⚠ ALWAYS maintain the light in good condition, with repairs only undertaken by a qualified electrician.

⚠ ONLY carry out repairs using genuine parts. Non-authorised parts may be dangerous and will invalidate the warranty.

⚠ If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or his service agent.

⚠ The light source of this luminaire is not replaceable; when the light source reaches its end of life the whole luminaire shall be replaced".

⚠ Clean the floodlight only with a soft dry cloth. Do not use any abrasive or chemical cleaners.

SPECIFICATION

PRODUCT CODE	VCS-20	VCS-20-PIR
DESCRIPTION	LED Floodlight (20W)	LED Floodlight with PIR (20W)
HOUSING COLOUR	Black	Black
LUMENS	2500 +	2500 +
VOLTAGE	170-240VAC 50Hz	170-240VAC 50Hz
IP RATING	IP65	IP65
ADJUSTABLE OUTPUT	✓	✓
DETECTION CIRCUIT	N/A	Passive Infra-Red (PIR)
PIR ANGLE	N/A	120°
PIR RANGE	N/A	12m
ACTIVATION TIME	N/A	10 Secs - 10 Mins
WEIGHT	1Kg	1Kg
DIMENSIONS	153mm H x 61mm D x 241mm W	161mm H x 61mm D x 241mm W

PARTS INCLUDED

1 x Clarius Star with Bracket
2 x Fixing Screws
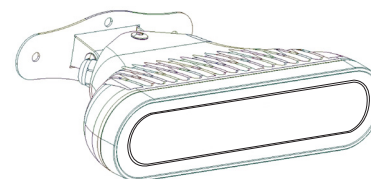2 x Wall Plugs
1 x Allen Key
1 x Instructions

TOOLS REQUIRED

Electric / hand-held drill
Masonry drill bit
Electricians screwdriver
Large cross-head screwdriver
Small cross-head screwdriver
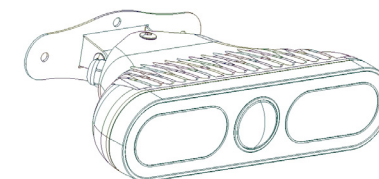Wire cutters
THIS PRODUCT IS SUITABLE FOR WALL MOUNTING ONLY

INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

When this product has reached the end of its life it must be treated as Waste Electrical & Electronic Equipment (WEEE). Any WEEE marked products must not be mixed with general household waste, but kept separate for the treatment, recovery and recycling of the materials used.

Contact your local authority for details of recycling schemes in your area.

CLARIUS STAR - INSTALLATION AND OPERATING INSTRUCTIONS

The Clarius Star floodlight is a low energy high power outdoor LED floodlight which is suitable for Installation on solid walls in a range of locations including entrances, gardens, staircases, garages and outdoor parking areas.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: THIS PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN AND CHECKED FOR SAFE OPERATION BEFORE USE

PLEASE FOLLOW THESE INSTRUCTIONS CAREFULLY BEFORE ATTEMPTING TO INSTALL AND OPERATE THIS LIGHT

⚠ The unit requires connection to a 170-240VAC 50Hz mains electrically supply.

⚠ This risk of electric shock should be minimized by the installation of appropriate safety devices including the incorporation of an RCCB (Residual Current Circuit Breaker) into the main distribution board.

⚠ DO NOT wire this floodlight directly into the lighting circuit. Use a switched fused spur. Cables should always be protected against short circuit and overload by use of an RCD.

⚠ Ensure the voltage marked on the product is the same as the electrical power supply to be used.

⚠ DO NOT install the floodlight where it is likely to be knocked, hit or near an exhaust outlet e.g. boiler flue, dryer outlet.

⚠ This floodlight is suitable for outdoor lighting applications, for domestic use only. Do not use in areas where an explosive or chemical atmosphere may exist. Do not use in areas where ventilation is restricted.
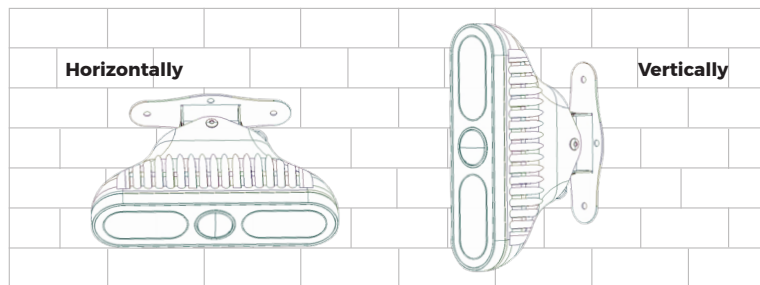
POSITIONING

The Clarius Star is suitable for mounting on plasterboard, wood or masonry surfaces. Highly flammable surfaces such as plastic or polystyrene must not be used. Do not install on damp or conductive surfaces such as metal. It should be placed away from any flammable materials.

Ensure that there is space around the floodlight to allow adequate circulation of air.

Before drilling any fixing holes, check that there are no hidden obstructions behind the mounting surfaces such as pipes or cables.
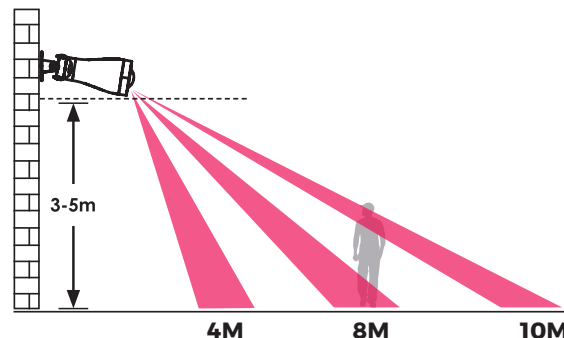
The recommended height for installation of the floodlight is between 3-5 metres.

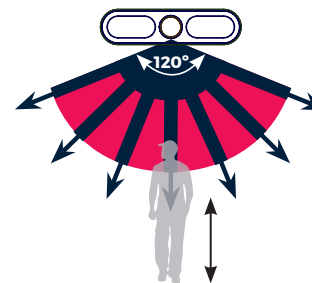The floodlight can be orientated vertically or horizontally as shown:

When mounted horizontally ensure that the removable access cover is to the under side
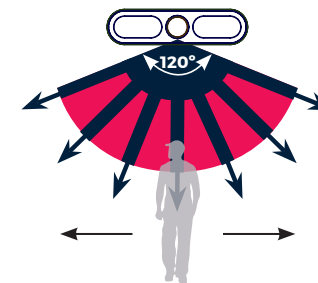
PIR SENSOR POSITIONING

3-5m

4M   8M   10M

LESS EFFECTIVE

120°

Movement directly towards or away from scan area

MOST EFFECTIVE

120°

Movement across the scan area

INSTALLATION TO BE UNDERTAKEN BY A QUALIFIED ELECTRICIAN

The floodlight is suitable for connection to a 170-240VAC, 50Hz, earthed supply. It is designed for permanent connection to fixed wiring, which must be a suitable circuit protected by an RCD and fuse of the correct rating.

Ensure that the mains supply is switched off before commencing installation.

It is recommended that the unit is connected to the domestic lighting circuit via a 5 Amp fused spur and using 3-core round flexible cable of at least $1mm^2$ gauge (waterproof cable should be used for outdoor installations).

It is also advisable to install a single pole wall switch to allow easy control of the floodlight.

Before commencing installation check that you have all the tools that you need.

· Check that the floodlight and its mains lead are not damaged. If there is any damage, return it to the place of purchase. Do not attempt to repair it yourself.
· Choose your location to fix the floodlight, taking into account the guidance above.
· Use the floodlight bracket to mark the position of the fixing holes.
· Drill the fixing holes and fix the floodlight into position using the screws and wall plugs provided.
· Check that is securely fixed.
· Connect the mains lead from the floodlight to an IP rated junction box. Ensure that the correct polarities for Live, Earth and Neutral are observed i.e.
    Connect the green/yellow earth wire to the terminal 'E'
    Connect the brown live wire to the live terminal 'L'
    Connect the blue neutral wire to the neutral terminal 'N'

After wiring, check that there are no bare wires, all the wires have been correctly connected and that the cable restraint has been tightened.

· Before connecting power, perform the electrical tests specified in the current building and IET Wiring regulations to ensure that the installation is safe and that the wiring has been performed correctly.
· Switch on the electricity to check that floodlight illuminates. Adjust the angle of the floodlight so that it illuminates the required area. Tighten the floodlight brackets.