

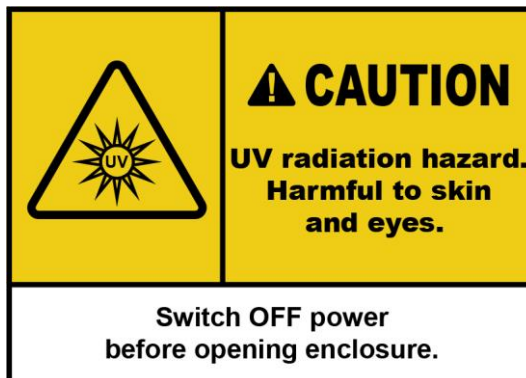


STRATUS 360

Ceiling Built-in Unit

Installation, Operation and Maintenance

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Unpacking

Remove all items from the packaging. Retain the packaging. If items are missing or damaged, please contact Westin for assistance.



Stratus 360 Air Recirculating Ceiling Unit

Installation, Operating & Maintenance Instructions

1. INTRODUCTION

During the cooking process odours are produced which, if left untreated, can linger for a long time after cooking has ceased. Your *Westin Stratus 360* Ceiling built-in unit is a powerful built-in extractor that has been designed to complement your kitchen both in looks and performance in order to create a good environment for creative cooking and is ideal for applications where a conventional cooker hood is neither suitable nor desirable.

Featuring the *Westin 360* air recirculation technology, many of the benefits of ducted extraction products are delivered by this revolutionary **duct-free** air cleansing system, effectively removing unwanted odours from your kitchen.

Of course, hygiene is also a priority in any kitchen and your *Westin Stratus 360* not only serves to remove odours but also actively assists in the destruction of harmful bacteria, pathogens and allergens which may be present, thus helping to purify the air.

Your *Stratus 360* also benefits from Westins unique LED Light Blade lighting system, delivering simultaneous ambient and task lighting to your kitchen.

2. IMPORTANT INFORMATION

Pay particular attention to fire risk when frying. To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

Do not flambé under the extractor.

ELECTRICAL SAFETY.

This appliance requires an earth connection.

Ensure that the supply voltage corresponds to that marked on the rating label inside the extractor.

The extractor must be isolated from the electrical supply before carrying out any cleaning or maintenance operations.

This product has been designed for installation directly into your kitchen ceiling or at an otherwise high level so that the underside of your *Stratus 360* is as close to the ceiling as possible.

Installation at lower levels may result in reduced system performance and excessive draughts at worktop level on high fan speeds caused by the close proximity of the air discharge vents at each end of the product.

Whilst we recommend installation is at ceiling level, if you do choose to install the product at a lower level (for example within furniture above your hob) then the minimum clearance between the top of the hob and the underside of the *Stratus 360* should be within the following range (unless a greater distance is specified by your cooking appliance or furniture manufacturer):

- hob-to-extractor **minimum** clearance distances:
 - 450mm above electric hobs and cookers
 - 750mm above gas hobs and cookers, fryers, open grills
 - 850mm above Wok burners, griddles, barbeques.
- hob-to-extractor **recommended** clearance distance:
 - Flush with or within 300mm of ceiling.

The minimum distance between the hob and the bottom of the extractor is essential for safety reasons and to prevent overheating of the extractor and its components.

3. SYSTEM PERFORMANCE

In very simple terms, your *Stratus 360* relies on two primary principals to maximise effectiveness:

Firstly, air is drawn into the perimeter air intake slot surrounding the central door panel and passes through the extractor where contaminants are broken down by the 360 system.

The air is then discharged into the room via two discharge vents at each end of the appliance.

The potency of the contaminants will determine how long it takes to completely remove odours, with the discharged air mixing with other air in the room and then being drawn back through the extractor in a continuous cycle.

This mixing of the air is important and works best when the unit is installed at a high level, maximising the mixing effect. Not only that, but warm foul air will rise up and be collected more effectively at ceiling level. Furthermore, draughts from the discharge vents are reduced with distance.

The second strategy for tackling odours also relies on effective mixing of the air in the room. Your *Stratus 360* emits super-oxidants (reactive molecules), via the discharge vents, which are sent out into the room to react with odour molecules they encounter. In this way, the *Stratus 360* not only works to reduce airborne contaminants but also those adhering to surfaces, such as walls.

In summary, overall performance of the system is optimised when all of the air in the room is free to mix and enter the appliance unobstructed and the best way to ensure this is to install the unit at a high level as this will prevent pockets of air potentially stagnating.

In order to maintain optimal performance, it is important to follow the cleaning and maintenance instructions in section 7. In brief, this entails keeping the grease filters and accessible parts and surfaces clean and ensuring that the *Westin 360* air cleaning module's special UVC composite lamp is periodically replaced.

4. INSTALLATION

The extractor is designed for installation within a cut-out in the underside of the kitchen ceiling. Alternatively, it may be installed within a lowered section of ceiling (boxed in area) or into a soffit panel within furniture – remember though that it is desirable to install directly into the ceiling (see section 5).

Dimensioned drawings and illustrations to help with your installation can be found in Section 5.

Please note the following.

- The product features a safety cut-out switch and will not operate with the door in the open position. If you want to test the appliance prior to installation you should do so with the door closed.
- The *Stratus 360* has four fixing holes which are hidden behind the closed filter concealment panel (door) and are accessible only when the door is open.
- The fixing holes are located in the upper surface of the side wings (see line drawing in section 5) and are accessed (for fixing through) via 20mm access holes in the baseplate. By separating the load bearing and decorative surfaces in this way means avoiding any visible distortion to visible areas being caused by your fixings.
- Black cover caps are provided which press into and close off the fixing hole access points after installation.
- The door is held shut with magnetic catches.

Open the door by grasping it close to the corners on the catch side (the long edge opposite the hinges) and pulling to release the panel from the magnets. Take care not to let



Stratus 360 Air Recirculating Ceiling Unit Installation, Operating & Maintenance Instructions

the door fall open freely, it should be supported and moved carefully into the open position.

4.1. Prepare Your Opening

Note: Preparation of your ceiling opening should be undertaken by a suitably competent person, such as a qualified builder.

Prepare an opening in the ceiling into which the unit will be installed (see table below).

Unit Size (mm) (Width x Depth x Height)	Cut-out Size (mm) (Width x Depth x Height)
1180 x 420 x 204	1155 x 395 x 205(min)

Reinforce the opening as necessary and make suitable provisions for the screws that will hold the unit in place. **The line drawings in section 5 show detailed product dimensions and fixing hole positions that will enable the accurate preparation of the ceiling opening.**

Typically, this will involve framing out the opening and installing short, sturdy timber beams (battens) recessed into and running across the depth of the opening from which to hang the appliance using suitable screws.

The provisions made for hanging the appliance from within your opening, such as recessed beams or battens, should be strong enough to support a total weight of 30Kg and be recessed so that their lower surface is 85mm above the finished ceiling level and positioned so that their centres coincide with the fixing holes of your Westin 360 (centre lines 882mm apart).

Because the Stratus 360 requires no ducting, any alterations to your joist arrangements should be relatively straightforward. Even if joists run across the line of the product, a competent builder should be able to trim out the opening, installing necessary trimmers and headers as for any other opening of this type.

Tip. If your combined joist height and ceiling thickness do not allow you to create a 205mm void height, we would recommend lowering the ceiling to achieve this (e.g. by double boarding, battening, etc.). If that is impractical then consider a small lowered area of ceiling or boxing that is sized to reflect the entire work surface below.

For installations into surfaces other than ceilings, such as furniture bases, the general advice above still applies. You will need to ensure that the opening is suitably sized and provides adequate recessed surfaces from which to hang the unit.

4.2. Electrical Installation

**ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY BEFORE
PROCEEDING FURTHER**

The extractor is a stationary appliance supplied with an electrical supply flex and moulded 3 pin UK plug (3A) for connection to the electrical supply.

The appliance must be fed from a dedicated 230Vac single phase electrical supply. You may wish to terminate the electrical supply using a standard mains electrical socket positioned close to the extractors intended location.

Alternatively, you may terminate the electrical supply from a switched-fused spur. The spur should be located adjacent to the hood/cooker so that the supply can be disconnected from the hood using the switch. The means of disconnection from the supply must have a minimum contact separation of 3mm in all poles. A competent Part P registered electrical technician must perform the electrical installation.

The mains supply is connected as follows:

INCOMING SUPPLY CORD CONNECTIONS	
Core	Core Colour
Live	Brown
Neutral	Blue
Protective Earth	Green/Yellow

For your convenience during installation, we recommend terminating the electrical supply from the fused spur with a single gang switchless 240V plug socket set within the ceiling opening, positioned so as not to obstruct the unit when installed. A switchless socket prevents accidentally installing the unit with the socket switched off. The extractor's electrical supply cord can then be fitted with a corresponding 240V plug for easy connection to the electrical supply during installation.

Make sure the switched - fused spur supplying the extractor is in the 'off' position before connecting the appliance to the electrical supply.

4.3. Fixing the Stratus 360 in Position

Please note the following prior to commencing fixing the extractor in position:

- You will need at least 2 people to fit this extractor; to lift, hold and fix the unit in position.
- A working platform or scaffold should be used so that the ceiling opening can be reached and the unit fixed without the use of ladders.
- Screws for fixing the extractor into position are not provided. You must use suitable fixings capable of supporting 30kg with a head diameter of at least 10mm so that they cannot pass right through the fixing holes.

If you are screwing into timber, then you should use cross head screws with a thread diameter no smaller than 5mm (No 10) and a head diameter of 10mm or more and ensure that at least 35mm of thread will be buried/screwed into the timber and that the timber will not split when the screws are inserted.

**ELECTRICAL HAZARD.
DISCONNECT ELECTRICAL SUPPLY BEFORE
PROCEEDING FURTHER**

Rest the appliance on its back and carefully open the door panel, as previously described. Check that the fixing hole access points are open and that you can see the fixing holes. If the access holes have not been blanked off with the plastic cover caps provided then remove the caps and stow safely for use later.

You should now familiarise yourself with the location and layout of the fixing holes and check that the screws you plan to use are suitable. We recommend that you now practice inserting screws through the access points and fixing holes before the unit is lifted up into position so this is familiar to you when you come to fix the unit in position.

Next Support the extractor close enough to the prepared opening so that the mains electrical supply cable connections on the Westin 360 plug (if fitted) are accessible and can be connected to the electrical supply.

Make sure that the electrical supply to your spur is isolated (switched off) and connect the electrical supply cord of your Stratus 360 to the mains electrical supply spur. If you have previously installed a socket and fitted a plug to the appliance then this is a simple matter of plugging the unit in.

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Two is the minimum number of people required to fix the extractor in position. We recommend that a third assistant is available to fix the unit in position whilst it is supported within the prepared opening.

Ensure that fixings (screws) and drivers will be within easy reach and that you will be able to insert and drive screws when the unit is offered up into position. If you have any concerns then you should obtain additional help to insert and tighten the fixing screws before proceeding.

Now lift the Stratus 360 up so that the door faces downwards and, supporting the unit by the short ends, carefully open the door panel to reveal the fixing holes.

Push the extractor up into the cut-out, taking care that no wires are trapped or damaged in the process and temporarily support it safely in position.

Secure the extractor permanently in place using suitable fixings (not supplied) through each of the four fixing holes in the baseplate and into the opening support structure.

Carefully remove temporary support for the unit whilst ensuring that the permanent fixings are safely supporting the weight of the unit.

Now test the function of the unit as described in the Operating Instructions section of this guide (Section 6).

Note, the unit will not operate with the door in the open position.

If the unit fails to operate then switch off the electrical supply to the hood and check all the electrical connections are sound and re-test before calling for assistance.

Press the black cover caps provided into the fixing hole access points to close these off before use.

Clean the unit as described in the maintenance section (section 7), taking care to remove any polish, oil or cleaning solutions from the frosted edge of the light blade strip (kitchen roll is good for this) prior to handover. The edge of the lighting strip should be completely dry to achieve the best lighting effect – polish, oils or permanently wet solutions have a seriously detrimental effect on the appearance of the lighting.

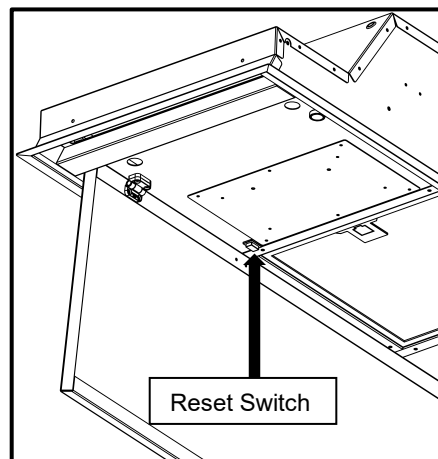
The Stratus 360 unit should always be used in conjunction with a supply of fresh air. This allows the antioxidant phase of the air treatment process to work more efficiently.

Do not operate (or leave the appliance running) for more than 6 hours (total) during any 24-hour period.

Please call Westin for immediate assistance if required.

Reset Switch

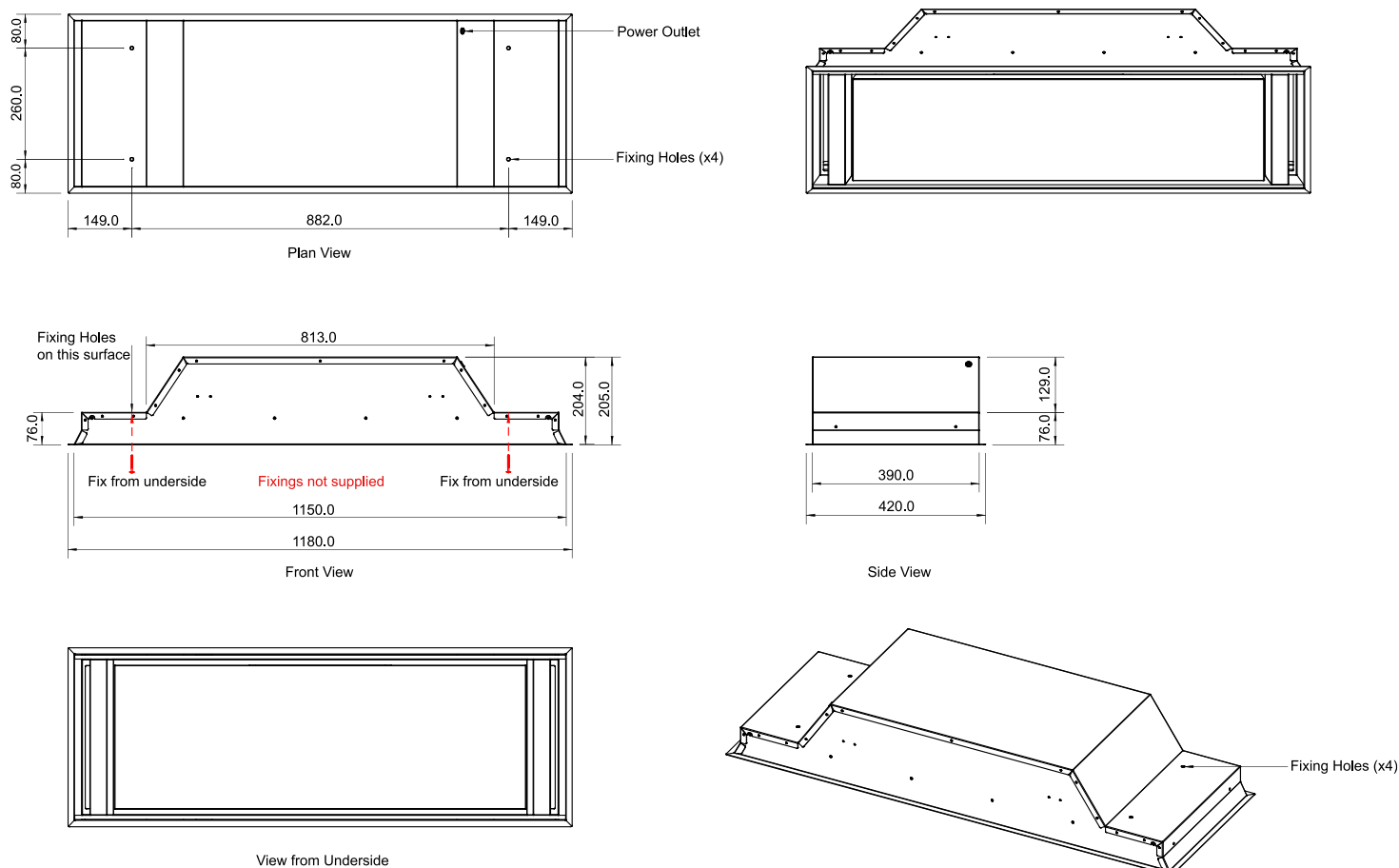
To prevent access to the UV bulb when illuminated, the extractor door is connected to the mains reset switch. When the door is open, the reset switch is in the 'out' position and the extractor will not operate. Should you wish to reset the extractor (when pairing a remote control for example), open the door to release the reset switch, keep the door open for 10 seconds, then close the door to re-engage the reset switch.



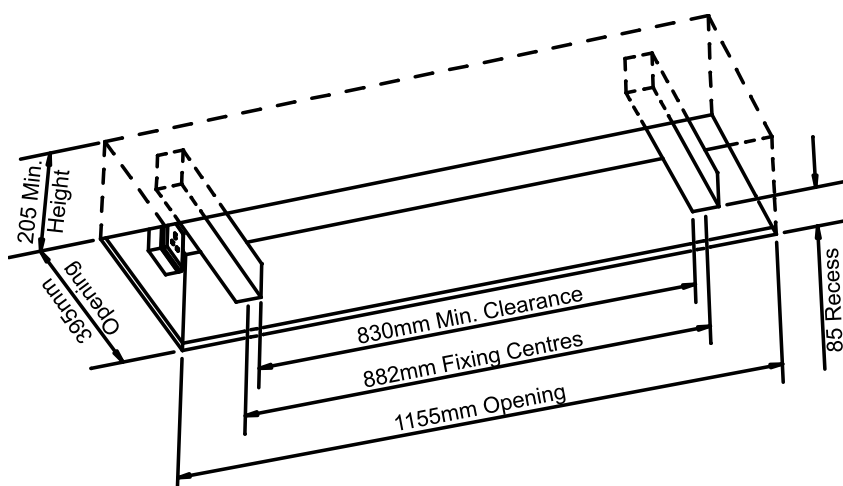
Stratus 360 Air Recirculating Ceiling Unit Installation, Operating & Maintenance Instructions

5. LINE DRAWINGS AND ILLUSTRATIONS

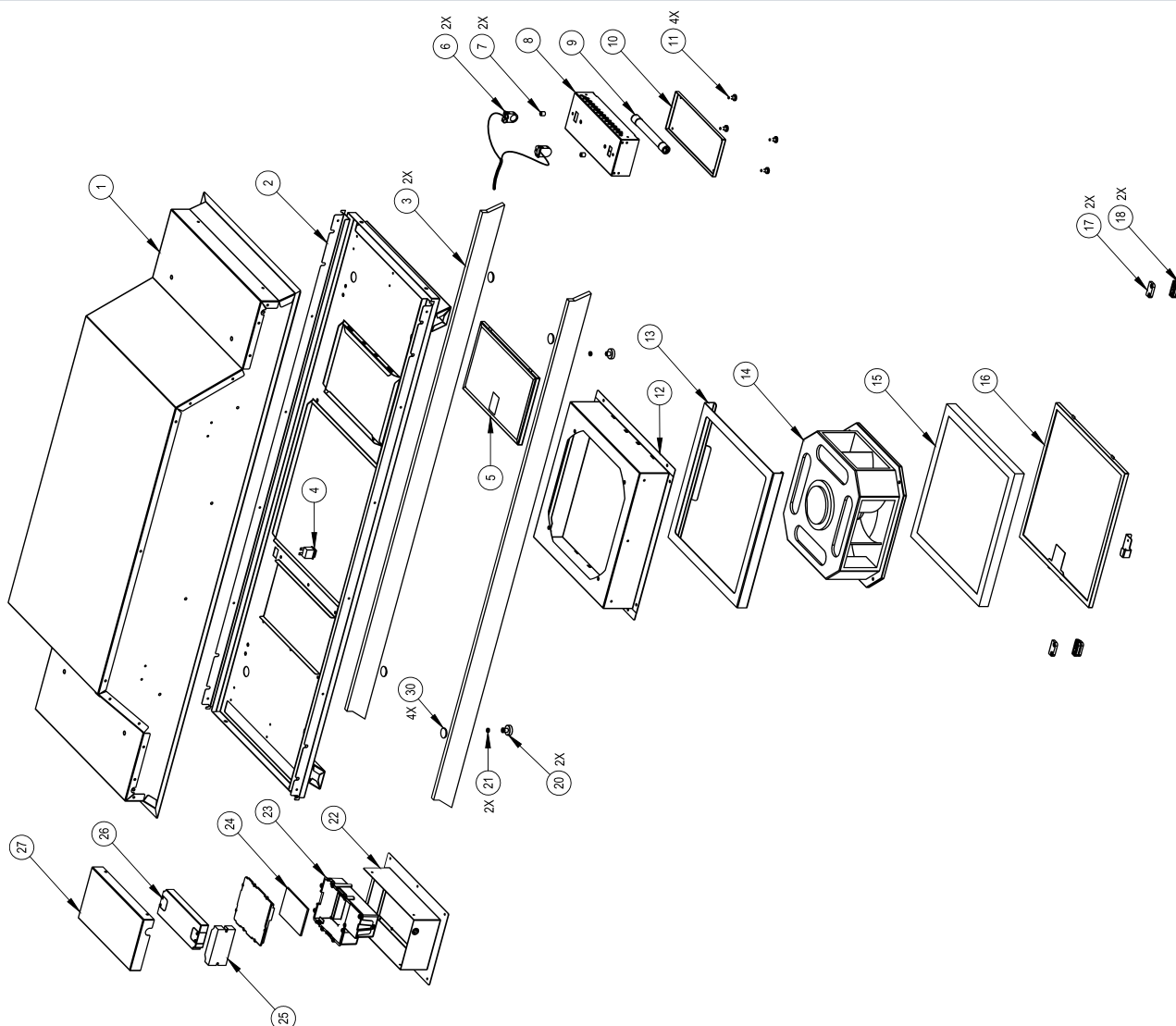
Stratus 360 General Arrangement Drawing



Ceiling Opening General Arrangement Drawing



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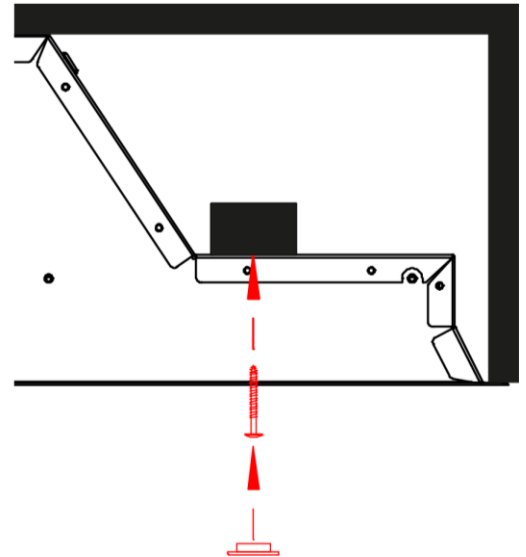
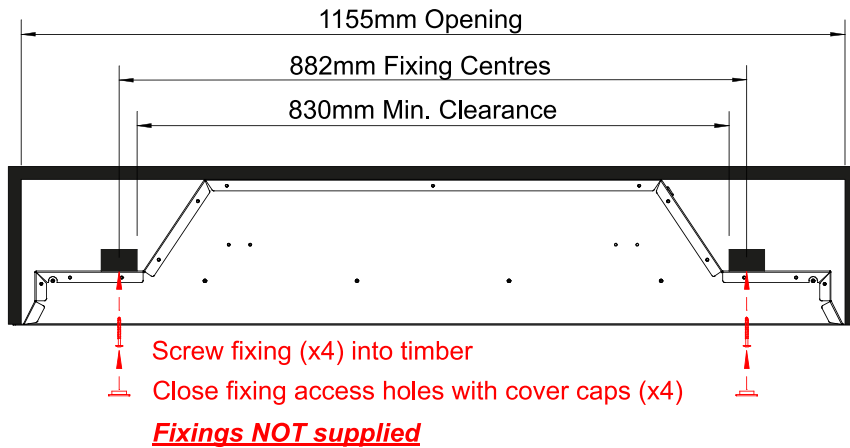


NO.	Part Name	Part Number	Notes & Special Ordering Instructions
1	Extractor Body	Made to Order	State Hood Length, Width & Colour / Finish
2	Extractor Base Plate	Made to Order	State Hood Length & Width
3	Light Blade	W1394	
4	Reset Switch	W1397	Non-User Servicable
5	Blanking Plate	Made to Order	
6	Lamp Holder	W2262	Non-User Servicable
7	Spacer Mount	W2260	
8	UV Module Body	Made to Order	
9	UV Bulb 4W	W2263	User Replace
10	UV Module Cover	Made to Order	
11	Thumb Screws	W2261	
12	Motor Mounting Plate	Made to Order	
13	HEPA Filter Frame	Made to Order	
14	EC Fan	W1805	
15	HEPA Filter	W2264	User Replace
16	Grease Filter	W2022	User Replace
17	Hinge Spacer	Made to Order	
18	Door Hinge	W1780 Black / W1779 White	
19	Extractor Door	Made to Order	State Hood Length, Width & Colour / Finish
20	Door Magnet	W1107	
21	Door Magnet Spacer	Made to Order	
22	Gear Tray Endclosure	Made to Order	
23	Circuit Board Housing	*W0419	Non-User Servicable
24	Circuit Board	*W2191	Non-User Servicable
25	UV Electronic Ballast	W2272	Non-User Servicable
26	LED Driver	W1389	Non-User Servicable
27	Gear Tray Lid	Made to Order	
28	Complete Fan Assembly	W2017	Non-User Servicable
29	Remote Control	W1798	
30	Blanking Cover Cap	W1398	

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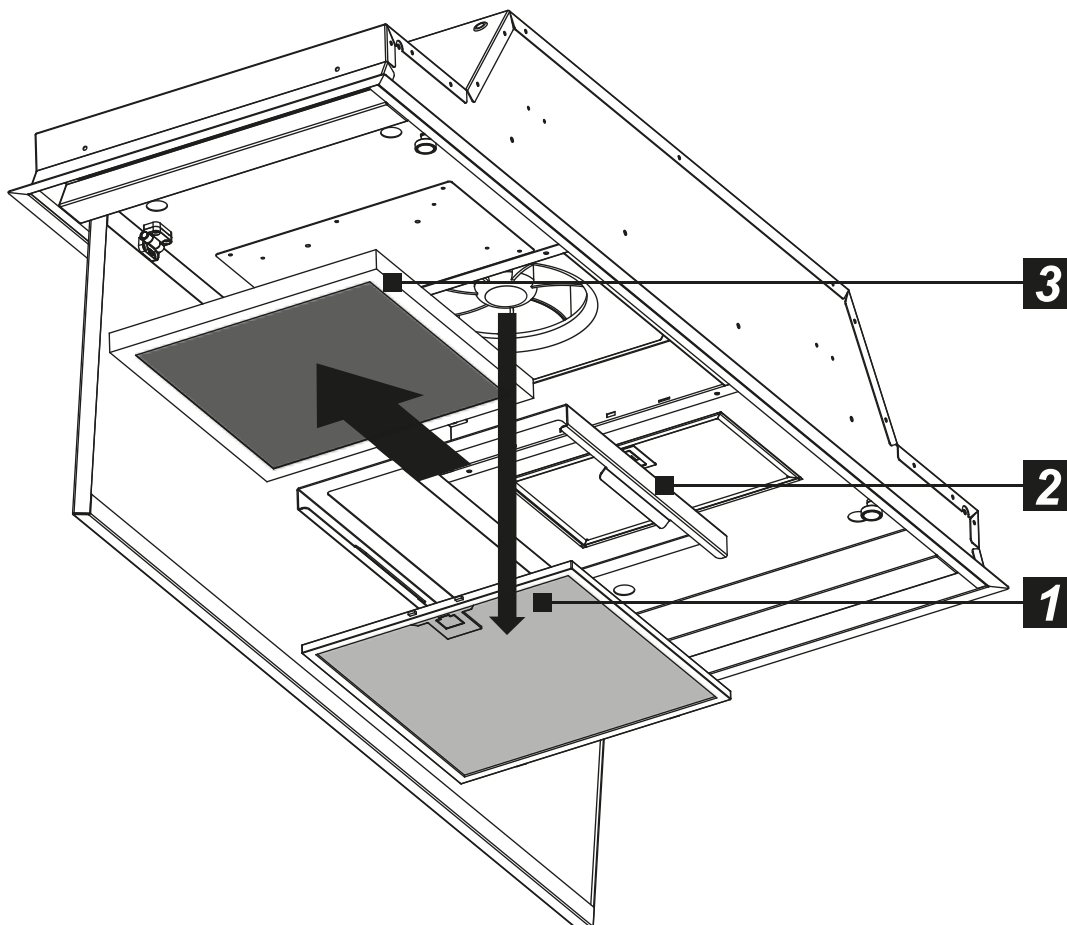


Fixing Arrangement Illustrations



Grease & HEPA Filter Removal

1. Open door, Lift release lever & pull grease filter away from chassis.
2. Grasp steel frame surrounding HEPA filter and pull down to release frame from magnets.
3. Slide the HEPA filter sideways away from the HEPA filter frame.



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6. OPERATING INSTRUCTIONS

Radio Remote Controlled Models

- Switch on the power at the fused spur.
- Then Immediately turn on the remote control (⏻).
- Then immediately press and hold (⌘) until the lights illuminate.

Should the extractor fail to respond to commands from the remote-control, please check that the power is 'on' and the internal appliance reset switch is in the 'ON' position (factory default). The reset switch is a latching red push-switch located in the chamber behind the door panel / filter.

If you experience interference problems, or the remote appears to be faulty from new, then a different radio transmission code may be required. Refer to the instruction leaflet included with the remote control regarding transmission code changes before seeking assistance.

mounted controller). Such controllers may have been supplied by Westin or a third party and are not covered by this manual.

If you are unsure how to operate your unit then please call Westin for assistance

7. MAINTENANCE

Regular maintenance is essential to ensure good performance and long-life.

CAUTION.

To minimise the risk of fire, all instructions relating to cleaning the grease filters and removing grease deposits must be adhered to.

7.1. Opening the door panel

The door panel covers most of the extractors baseplate and conceals the grease filter, fan assembly and 360 air cleaning module access panel.

To clean hidden surfaces and to carry out routine maintenance of your 360-air cleaning module, you will need to open the door panel.

- The panel is held shut with magnetic catches.

Open the panel by grasping it close to the corners on the catch side (usually the long edge opposite the hinges) and pulling to release the panel from the magnets. Take care not to let the panel fall open freely, it should be supported and lowered carefully into the open position.

7.2. General Cleaning

- To clean the metal surfaces of the extractor, use a suitable cleaning agent, such as Stainless-Steel Cleaner and Polish (obtainable from Westin) or warm water and detergent.

Do not use any cleaning products containing bleach or abrasives. Do not use abrasive cleaning materials. To do so can permanently damage the visible finish of the metal surfaces.

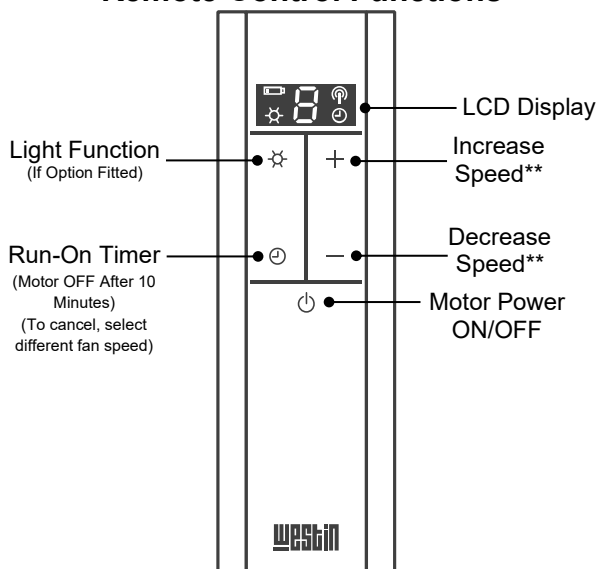
- Glass surfaces should be cleaned with a suitable glass cleaning agent or warm water and detergent.

The frosted edges of the glass LED Light Blades must be completely dry to give the best lighting effect. Polish, oils, waxes or other permanently wet solutions on the glass edges will spoil the overall lighting effect and should be removed if accidentally applied. This is usually achieved by wiping along the edge of the light blade with an absorbent material (kitchen roll is good) until the glass edge is dry and uniformly cloudy in appearance.

- Clean the grease filters in a dishwasher or by hand-washing in hot water and detergent. Wash the filters at least every 2 months - sooner if the extractor is used extensively.
- To maintain the immaculate appearance of the extractor, and to minimise fire risk, ensure that grease deposits on all parts of the extractor are kept to a minimum by regular cleaning.

Pay particular attention to the extractor baseplate where air is drawn through the perimeter extraction slot (the area around the edge of the door panel) as deposits may accumulate most readily here.

Remote Control Functions



** The automatic speed reduction feature is required by EU Ecodesign and Energy Labelling Commission Legislation 65/2015 66/2014 in order to satisfy Directive 2009/125 EC*

The appliance will automatically switch off if there has been no operator action for 4 hours.

Refer to the instruction leaflet included with the radio remote control regarding pairing the device, transmission codes and factory reset procedures.

Other Control Systems

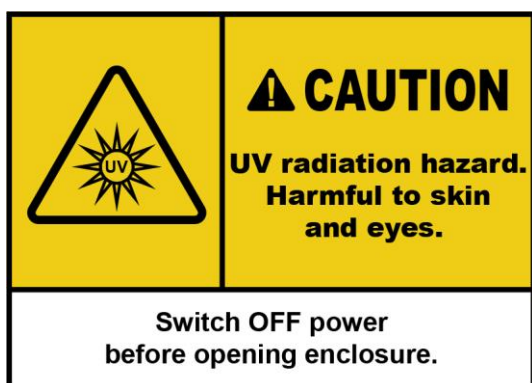
Because this is a custom-made product, an alternative control system may have been specified during the design phase.

Most commonly this alternative control system will be a continuously variable rotary fan speed controller plus light control mounted on the extractor (usually the baseplate). With most such control systems, you will find on/off switches for the fan and lights and a rotating knob to adjust the fan speed. Sometimes the switch and knob are combined into a single unit, like a domestic lighting dimmer switch, which is pressed for on/off function and turned for speed.

In some cases, the fan control may have been specified as a separate item that does not form part of the extractor (e.g. a wall

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7.3. Maintaining the 360 Air Cleaning Module



In order to ensure continued effectiveness, the 360 Air Cleaning Module requires only minimal routine maintenance.

The 360 Air Cleaning Module is located behind the small stainless-steel access panel on the baseplate (only visible with door open) and is removed and refitted in the same way as the grease filter.

- The 360 Air Cleaning Module requires no cleaning of the special UV-C Composite lamp itself.
- The special UV-C Composite lamp provides the power source for the air cleaning reactor and requires periodical replacement to continue to operate at optimum power output.

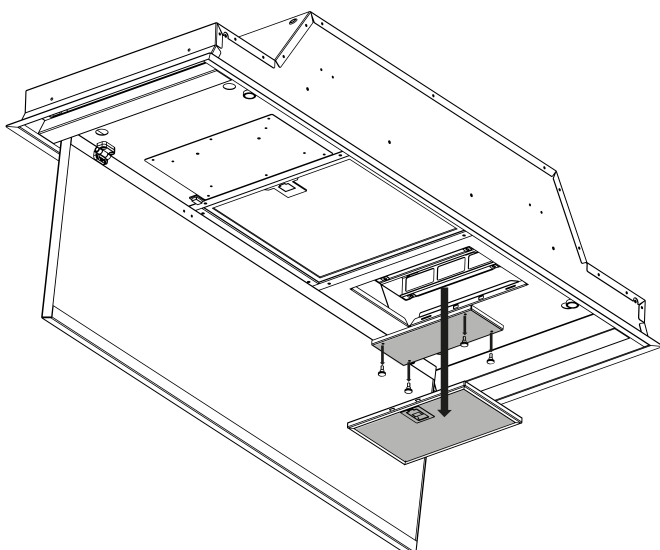
We recommend that the lamp is replaced annually and not less frequently than every 3 years in order to ensure continued operation at optimum power output.

Replacement lamps are available from Westin and are supplied for installation by the end user.

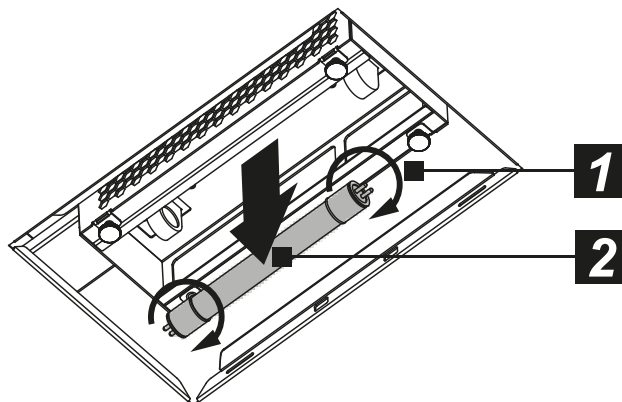
Only replacement UV-C lamps supplied by Westin should be used in your Stratus 360

Note: Lamps which appear similar are available, for applications such as aquatic sterilisation, however, many do not directly generate super-oxidants. Furthermore, the super-oxidant directly generated by our lamp provides a precise and safe dose into the airstream.

To replace the UV-C lamp, open the access panel and unscrew the 6 thumb screw fixings as shown in the illustration below.



- 1- Rotate the lamp 90 degrees and pull the lamp away from (and out) of the bases.
- 2- Clip in the replacement lamp and slide it back fully into the bases so that the contact pins are located in the sockets. Rotate the lamp so the pins fully engage with the base supports.



- Take care not to over handle the glass bulb.

7.4. Light Blade Task Lighting

The lamps are long life LED units and are not designed for end user replacement. In the unlikely event of failure please call Westin.

7.5. HEPA Filter replacement

8. The HEPA filter should be replaced every 12 months to ensure optimum operation. The filter is not designed to be re-generated but can be air dried if the filter becomes saturated. Refer to the grease & HEPA filter removal diagram for instruction on how to replace the HEPA filter.

9. SPECIFICATIONS

Electrical Specifications	
Supply Voltage	230V~ 50Hz
LED Task Lighting (Light Blades) voltage	12V
LED Task Lighting (Light Blades) power input	21.2W
Fan power input	170W
360 Air cleaning module power input	4W
Total power input	195.2W
Electrical Supply Protective Fuse Rating	3A

STANDARD GUARANTEE CONDITIONS

Westin Ltd undertakes that if within 24 months of the date of delivery this product or any part thereof is proved to be defective by reason only of the faulty workmanship or materials, the company will, at our option, repair or replace the same FREE OF ANY CHARGE for labour, materials or carriage on condition that:

1. The product has been correctly installed and used only on the electrical supply stated on the rating plate.
2. The product has been used for normal domestic purpose only, and in accordance with the manufacturer's operating and maintenance instructions.
3. The product has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.

EXCLUSIONS

This Guarantee does not cover:

- Damage or calls resulting from incorrect installation, transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.
- Costs incurred for calls to put right appliances improperly installed or calls to appliances outside the United Kingdom.
- Normal wear and tear.
- Products deemed to be in use within a commercial environment.
- Grease filter mesh.
- Bulbs and LEDs.
- Consumables.
- Damage caused to the body by usage of detergent sprayer or other contaminants.
- Damage or corrosion of the LED parts, glass parts and stainless-steel parts.
- Damage caused by foreign objects or accident.
- Any products taken apart or serviced by unauthorised individuals or service engineers or replaced with other manufacturer's components.
- Product not installed with the correct size ducting as stated in the manual.

This Guarantee is in addition to your statutory and legal rights.

Please see our website www.westin.co.uk for details of our Conditions of Sale and to register your guarantee.