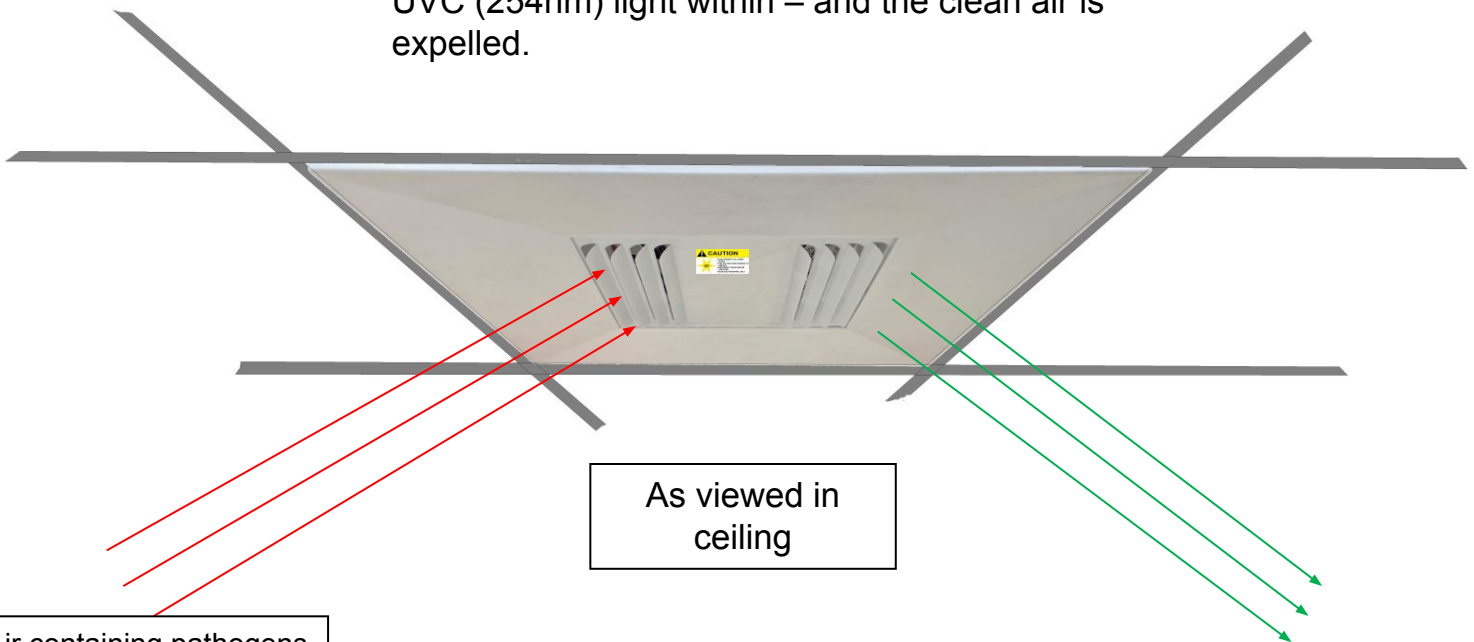


Jaeger 3 - UVC lay in 600 x 600 - germicidal air scrubber.

Lay in 595 x 595 mm air purification unit – simply drops into ceiling grid – like a panel light.

Dirty pathogens are sucked in – destroyed by the UVC (254nm) light within – and the clean air is expelled.

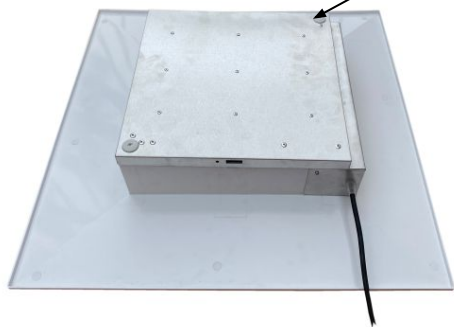


As viewed in ceiling

Air containing pathogens – sucked in.

Clean air – is then expelled out.

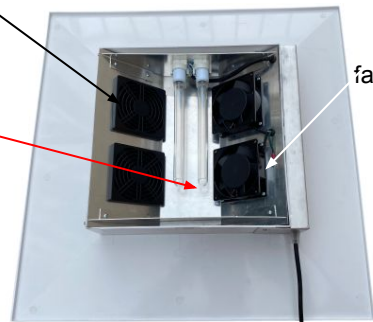
Once lid is removed – a safety switch disconnects – ensuring harmful UVC lamps are off – keeping maintenance staff safe.



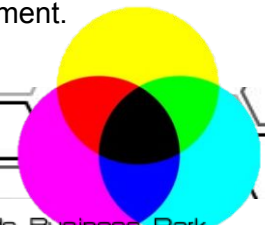
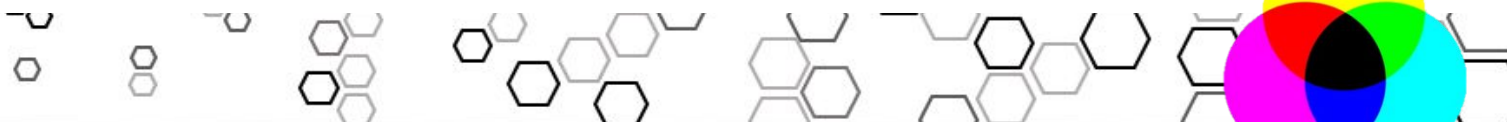
View of back – with 'lid' in place.

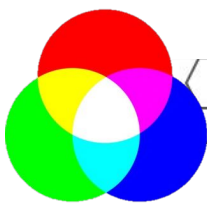
Cleanable/replaceable air filters

UVC chamber – hidden from users



View of back – with 'lid' removed – to access lamps for replacement.

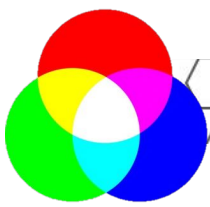




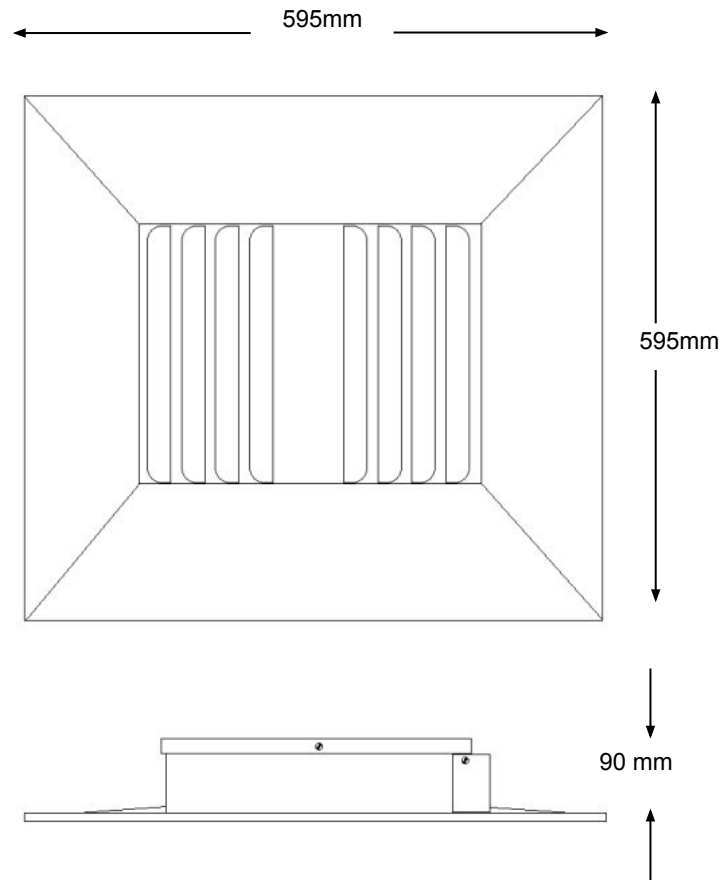
FACT FILE:



<u>General Information</u>	
Body Construction	Body: Acrylonitrile Butadiene Styrene (ABS – Engineering plastic) – self extinguishing.
Colour of the Trim	Standard is ferrograin white – ABS can be wet sprayed for special colours – on request.
Louvre UVC Chamber	Louvre – punched steel – powder coated white. UVC chamber – aluminium – anodised.
Sensor Type	N/A
UVC Lamp Type	Osram or Phillips UVC 18W (x2) – in PL or Dulux shape. Wavelength is 254nm
Lens Type	N/A
Fan Type	2 x MAGLEV fans (Magnetic Levitation – so no ball bearings or bushes – hence the 50 000 hour plus life.
Recommended Height Installation	Recommended spacing: 1 unit per 38m ³
Compliance	SANS 60598 & SANS 1706
IP Rating	IP20
Control Type	Internal power supply
Dimmable	N/A
<u>Electrical Information</u>	
Electrical Class	Class 1
Socket Options	N/A
Supply Voltage	230V AC 50HZ
Surge Protection	Dependent on internal power supply – usually 2kV
Power Factor	+95
Power Supply for Lamps	Tridonic or Helvar or VS – electronic.
<u>Optical Information</u>	
CRI	N/A
CCT	N/A
<u>Performance</u>	
Total Circuit load and Lumens	72W – including 2 lamps plus 2 MagLEV fans 11W of 254nm (Effective UVC Wattage when new)
Effective Lamp Life	8000 hours. An hour meter can be added – to enable maintenance staff to accurately monitor the lamp life.
<u>Operating Conditions</u>	
Operating Temperature range	-20°C to +45°C
<u>Dimensions and Mounting</u>	
Weight	4kg
Installation Data	Available



FACT FILE:



How it works...

Air is sucked in on the left side – through the slots, through a sponge filter – then into a chamber containing 2 x UVC lamps (254nm) – the UVC lamps destroy the pathogens in the air and the air is then expelled through the vents on the right.

One of these UVC air scrubbers can clean a room of 5m x 5m x 2,6m - 3 -4 times an hour.

As the UVC lamps are not exposed - this unit is safe to use while humans are in the room.

Please note – this device is for the destruction of air borne pathogens – it will not clean surfaces – like tabletops. For the destruction of surface mounted pathogens – please make use of our hand held 'Magic Wand UVC cleaner

Due to the nature of UVC radiation – within the radiation chamber – plastic items like plastic finger guards on the filters will degrade over time and will need replacing from time time