

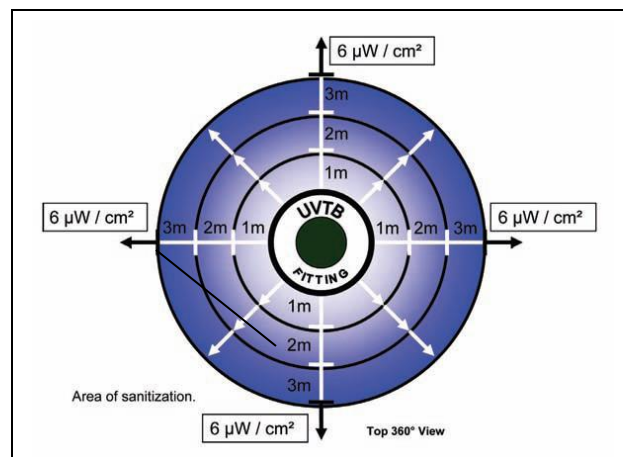
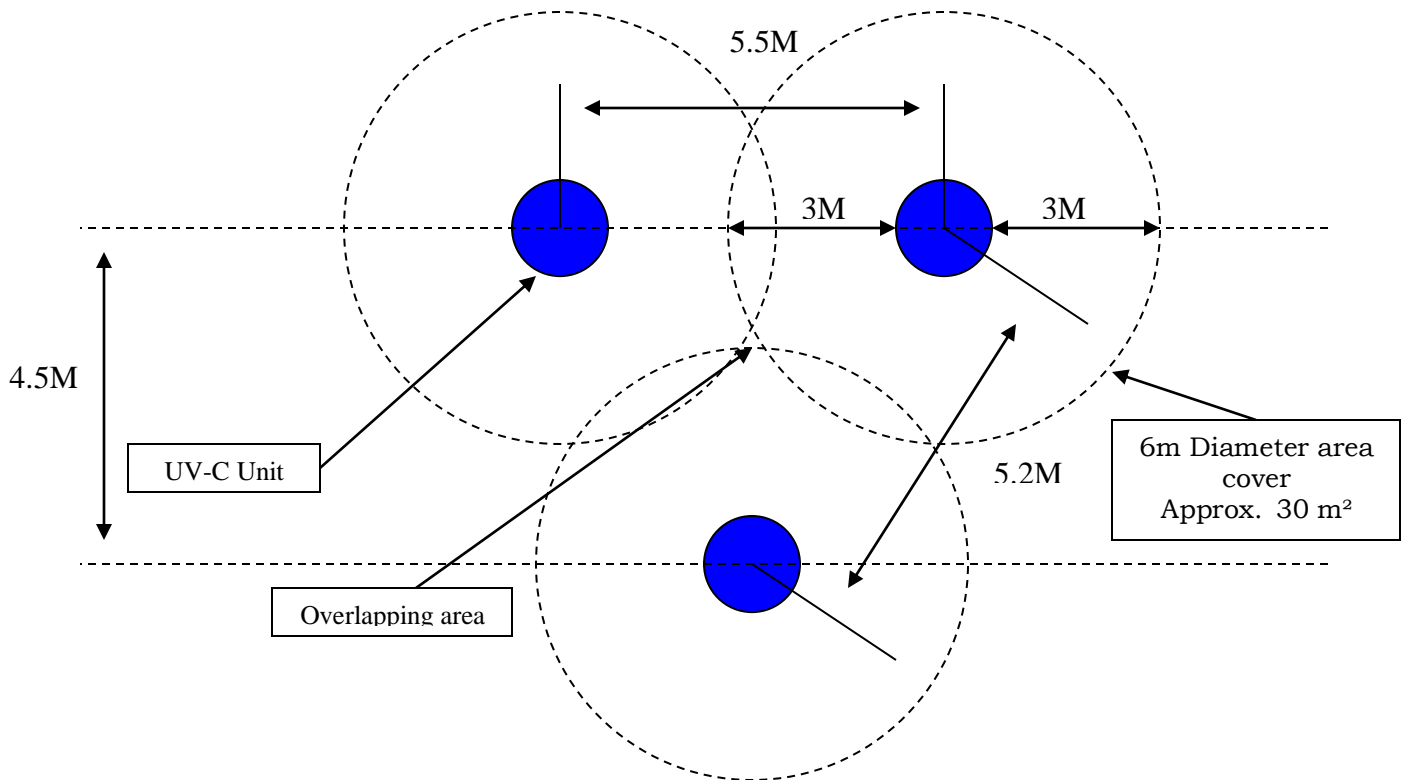
# UV-C Air Disinfection System

## Installation and Maintenance Working Document

The intention of this document is to provide a simple and accurate set of instructions for the field technician to be able to install the unit on site as well as to provide basic maintenance needs for the units.

### Positioning Indication:

The units (R2) are designed to cover an area of approx. 30 m<sup>2</sup> or approx. 6m diameter. The planning of the installed area should be based on an overlapping coverage between the units so that there will be No dead areas.

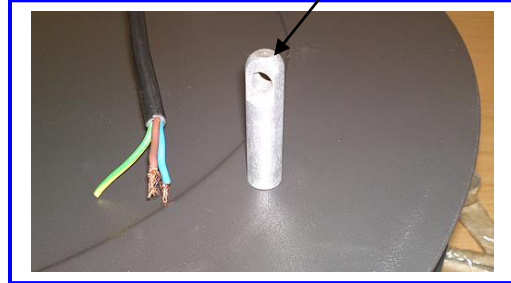


**Installation:**

The installer will drill 4 holes in the false ceiling to accommodate for the 4 **Pins** on the underside of the unit (as shown in picture 01 and picture 02).



Picture 01

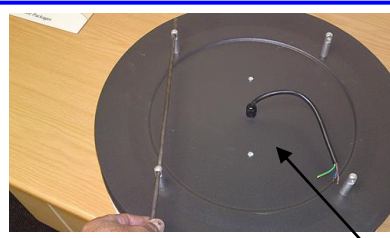


Picture 02

The unit is then inserted in to the ceiling board and the 6mm wire is then securing the pins ( 2 pins together ) as shown in picture 03, picture 04 and picture 05)



Picture 03



Picture 04



Picture 05

Make sure you provide a further hole in the middle for the **electrical wire** to feed the unit.

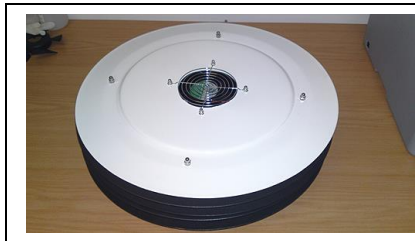
## **Maintenance:**

### **Step 1:**

Before attempting to maintain the unit you need to perform an overall inspection of the unit outside to observe any faults and defects that may have occurred during the period of which the unit had been operating ( for example: colour change of the body, Blue light, fan turning, burn marks, deformed panels Etc..)

### **Step 2:**

Approach the unit from the bottom with a 10 size spanner to open the 4 cup nuts of the main cover to expose and have access to the inside of the unit (As shown in pictures 06 - 11).



Picture 06



Picture 07



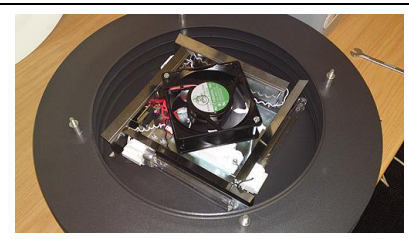
Picture 08



Picture 09



Picture 10



Picture 11

Please note the following when opening the cover:

- Remove slowly not do damage any light globe in the process
- Note the safety micro switch (as shown in picture 12) and check the condition of the arm as well as the smooth movement of it for safe operation.
- Perform an overall observation on the systems inside for general damages and faults ( for example: colour change of the body, Blue light, fan turning, burn marks, deformed panels etc..)
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**Step 3:**

Replace all burnt light globes with new globes (as shown in Pictures 13 and 14) and check that they are illuminating properly without unusual flickering. Make sure you do not touch the glass part of the globes with greasy fingers. This will shorten the life of the light globe.

Clean the fan with air pressure (blow cold air into the fan) to remove all dust particles that may have accumulated over time. This will ensure the smoother running of the fan.

Check and tidy all electrical cables and fasteners to ensure there is no contact with the light fittings and electronic Ballast.

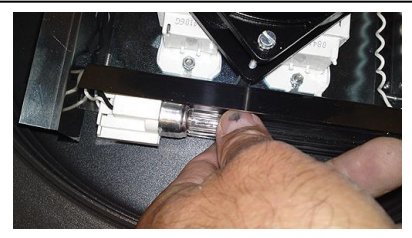
Check that all stainless steel globe fittings and fixtures (reflectors) are secure in place and are clean from dust.



Picture 12



Picture 13



Picture 14

**Step 4:**

When you are sure all above had been performed, close the main cover with the 4 cup nuts ensuring the secure and correct fitment of it on top of the safety micro switch.

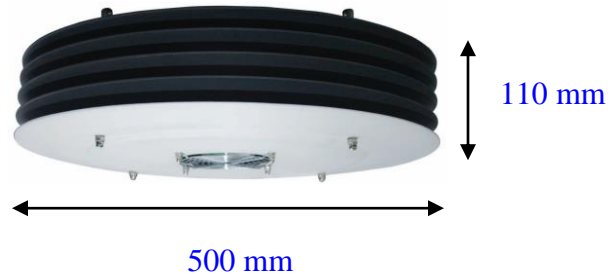
Make sure the cover is cleaned properly after you have handled the unit.

Switch the main power on to check that ALL the globes are working properly. Wait at least 5 minutes for the light globes to stabilize and perform correctly.

Check the efficiency of the UV Range. The range should be  $6\mu\text{w} / \text{cm}^2$

**Technical Specifications:**

**R-2**



<b>Type:</b>	<b>UV-C Air Disinfection System – R2</b>
<b>Rated Voltage:</b>	<b>230V</b>
<b>Rated Frequency</b>	<b>50 Hz</b>
<b>Rated Current</b>	<b>3 A</b>
<b>IP Rating</b>	<b>20</b>