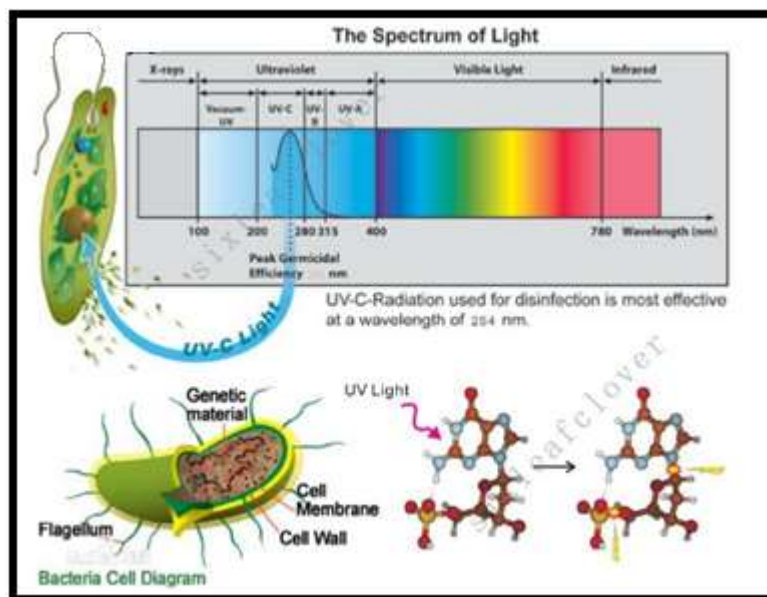


# UV Lamps



In response to the current coronavirus epidemic situation, sterilization option using UltraViolet (UV) is available for AHU products.

Broad-spectrum germicidal UV light has wavelengths between 200 and 400 nanometers (nm) which is highly effective at killing bacteria and viruses by destroying the molecular bonds that hold their DNA together. UV-C can penetrate and inactivate them. The UV light annihilates viruses by damaging their DNA sequence. By doing so, the virus loses the ability to reproduce.



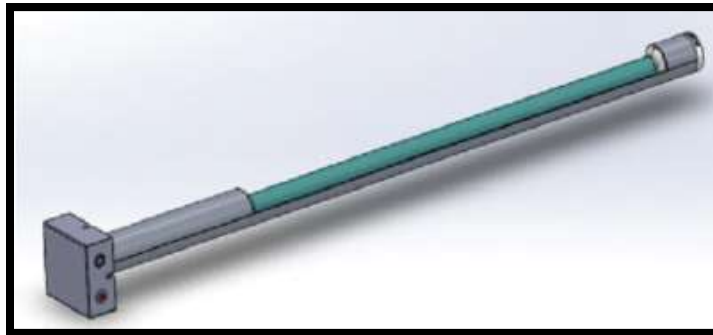
## Advantages of UV lamp

- 253.7nm UV-C lamp, no ozone.
- High-energy UV-C, effective life is up to 8000 hours.
- Stainless steel reflector enhances the radiation intensity and avoids direct exposure to the human body.
- Plug-in products for easy installation.
- External control box, 220VAC standard power supply, simple wiring.
- Able to kill bacteria in the air and prevent the virus from spreading through the host bacteria

# UV Lamps



## Product Details and Specifications



For AHU



| Product                          |                           | AHU           |               |               |               |
|----------------------------------|---------------------------|---------------|---------------|---------------|---------------|
|                                  |                           | CUVC-A25LAMPS | CUVC-A30LAMPS | CUVC-A55LAMPS | CUVC-A75LAMPS |
| Part Number                      | Units                     |               |               |               |               |
| Lamp Power                       | W                         | 25            | 30            | 55            | 75            |
| UV-C Radiant Power               | W                         | 7.0           | 11.2          | 16.5          | 25.5          |
| Power Supply                     | V                         | 220VAC 50HZ   |               |               |               |
| Length (L)                       | mm                        | 683           | 1140          | 1140          | 1495          |
| UV-C Radiation intensity at 20cm | $\mu\text{W}/\text{cm}^2$ | 930           | 960           | 1410          | 1670          |
| Recommended irradiation area     | $\text{m}^2$              | 0.4~0.6       | 0.5~0.8       | 0.8~1.2       | 1.0~1.5       |
| Recommended airflow              | $\text{m}^3/\text{h}$     | 3000~5500     | 4500~7200     | 7200~10800    | 9000~13500    |
| Recommended airflow              | CFM                       | 1765-3237     | 2648-4237     | 4237-6356     | 5297-7945     |

# UV Lamps



## Lamp Selection Guide for 39CQ/ 39G /39XT Units

Use AHU internal dimensions to determine the lamp model and quantity needed.

| Unit model | Quantity required | UV light P/N | Unit internal WIDTH (mm) | Unit internal HEIGHT (mm) |
|------------|-------------------|--------------|--------------------------|---------------------------|
| 39CQ0608   | 1                 | CUVCA25LAMPS | 590                      | 790                       |
| 39CQ0609   | 1                 | CUVCA25LAMPS | 590                      | 890                       |
| 39CQ0711   | 1                 | CUVCA25LAMPS | 690                      | 1090                      |
| 39CQ0811   | 1                 | CUVCA25LAMPS | 790                      | 1090                      |
| 39CQ0914   | 1                 | CUVCA55LAMPS | 890                      | 1390                      |
| 39CQ1015   | 1                 | CUVCA75LAMPS | 990                      | 1490                      |
| 39CQ1117   | 1                 | CUVCA75LAMPS | 1090                     | 1690                      |
| 39CQ1317   | 2                 | CUVCA55LAMPS | 1290                     | 1690                      |
| 39CQ1418   | 2                 | CUVCA55LAMPS | 1390                     | 1790                      |
| 39CQ1420   | 2                 | CUVCA75LAMPS | 1390                     | 1990                      |
| 39CQ1621   | 3                 | CUVCA55LAMPS | 1590                     | 2090                      |
| 39CQ1822   | 3                 | CUVCA75LAMPS | 1790                     | 2190                      |
| 39CQ1825   | 3                 | CUVCA75LAMPS | 1790                     | 2490                      |
| 39CQ2025   | 4                 | CUVCA75LAMPS | 1990                     | 2490                      |
| 39CQ2226   | 5                 | CUVCA75LAMPS | 2190                     | 2590                      |
| 39CQ2328   | 5                 | CUVCA75LAMPS | 2290                     | 2790                      |
| 39CQ2333   | 6                 | CUVCA75LAMPS | 2290                     | 3290                      |
| 39CQ0912   | 1                 | CUVCA30LAMPS | 890                      | 1190                      |
| 39CQ0913   | 1                 | CUVCA55LAMPS | 890                      | 1290                      |
| 39CQ2125   | 4                 | CUVCA75LAMPS | 2090                     | 2490                      |
| 39CQ2330   | 5                 | CUVCA75LAMPS | 2290                     | 2990                      |
| 39G0608    | 1                 | CUVCA25LAMPS | 600                      | 800                       |
| 39G0609    | 1                 | CUVCA25LAMPS | 600                      | 900                       |
| 39G0711    | 1                 | CUVCA25LAMPS | 700                      | 1100                      |
| 39G0811    | 1                 | CUVCA25LAMPS | 800                      | 1100                      |
| 39G0914    | 1                 | CUVCA55LAMPS | 900                      | 1400                      |
| 39G1015    | 1                 | CUVCA75LAMPS | 1000                     | 1500                      |
| 39G1117    | 1                 | CUVCA75LAMPS | 1100                     | 1700                      |
| 39G1317    | 2                 | CUVCA55LAMPS | 1300                     | 1700                      |
| 39G1418    | 2                 | CUVCA55LAMPS | 1400                     | 1800                      |
| 39G1420    | 2                 | CUVCA75LAMPS | 1400                     | 2000                      |

# UV Lamps



## Lamp Selection Guide for 39CQ/ 39G /39XT Units

Use AHU internal dimensions to determine the lamp model and quantity needed.

| Unit model | Quantity required | UV light P/N | Unit internal WIDTH (mm) | Unit internal HEIGHT (mm) |
|------------|-------------------|--------------|--------------------------|---------------------------|
| 39G1621    | 3                 | CUVCA55LAMPS | 1600                     | 2100                      |
| 39G1822    | 3                 | CUVCA75LAMPS | 1800                     | 2200                      |
| 39G1825    | 3                 | CUVCA75LAMPS | 1800                     | 2500                      |
| 39G2025    | 4                 | CUVCA75LAMPS | 2000                     | 2500                      |
| 39G2226    | 5                 | CUVCA75LAMPS | 2200                     | 2600                      |
| 39G2328    | 5                 | CUVCA75LAMPS | 2300                     | 2800                      |
| 39G2333    | 6                 | CUVCA75LAMPS | 2300                     | 3300                      |
| 39G0912    | 1                 | CUVCA30LAMPS | 900                      | 1200                      |
| 39G0913    | 1                 | CUVCA55LAMPS | 900                      | 1300                      |
| 39G2125    | 4                 | CUVCA75LAMPS | 2100                     | 2500                      |
| 39G2330    | 5                 | CUVCA75LAMPS | 2300                     | 3000                      |
| 39XT0608   | 1                 | CUVCA25LAMPS | 600                      | 800                       |
| 39XT0609   | 1                 | CUVCA25LAMPS | 600                      | 900                       |
| 39XT0711   | 1                 | CUVCA25LAMPS | 700                      | 1100                      |
| 39XT0811   | 1                 | CUVCA25LAMPS | 800                      | 1100                      |
| 39XT0914   | 1                 | CUVCA55LAMPS | 900                      | 1400                      |
| 39XT1015   | 1                 | CUVCA75LAMPS | 1000                     | 1500                      |
| 39XT1117   | 1                 | CUVCA75LAMPS | 1100                     | 1700                      |
| 39XT1317   | 2                 | CUVCA55LAMPS | 1300                     | 1700                      |
| 39XT1418   | 2                 | CUVCA55LAMPS | 1400                     | 1800                      |
| 39XT1420   | 2                 | CUVCA75LAMPS | 1400                     | 2000                      |
| 39XT1621   | 3                 | CUVCA55LAMPS | 1600                     | 2100                      |
| 39XT1822   | 3                 | CUVCA75LAMPS | 1800                     | 2200                      |
| 39XT1825   | 3                 | CUVCA75LAMPS | 1800                     | 2500                      |
| 39XT2025   | 4                 | CUVCA75LAMPS | 2000                     | 2500                      |
| 39XT2226   | 5                 | CUVCA75LAMPS | 2200                     | 2600                      |
| 39XT2328   | 5                 | CUVCA75LAMPS | 2300                     | 2800                      |
| 39XT2333   | 6                 | CUVCA75LAMPS | 2300                     | 3300                      |
| 39XT0912   | 1                 | CUVCA30LAMPS | 900                      | 1200                      |
| 39XT0913   | 1                 | CUVCA55LAMPS | 900                      | 1300                      |
| 39XT2125   | 4                 | CUVCA75LAMPS | 2100                     | 2500                      |
| 39XT2330   | 5                 | CUVCA75LAMPS | 2300                     | 3000                      |

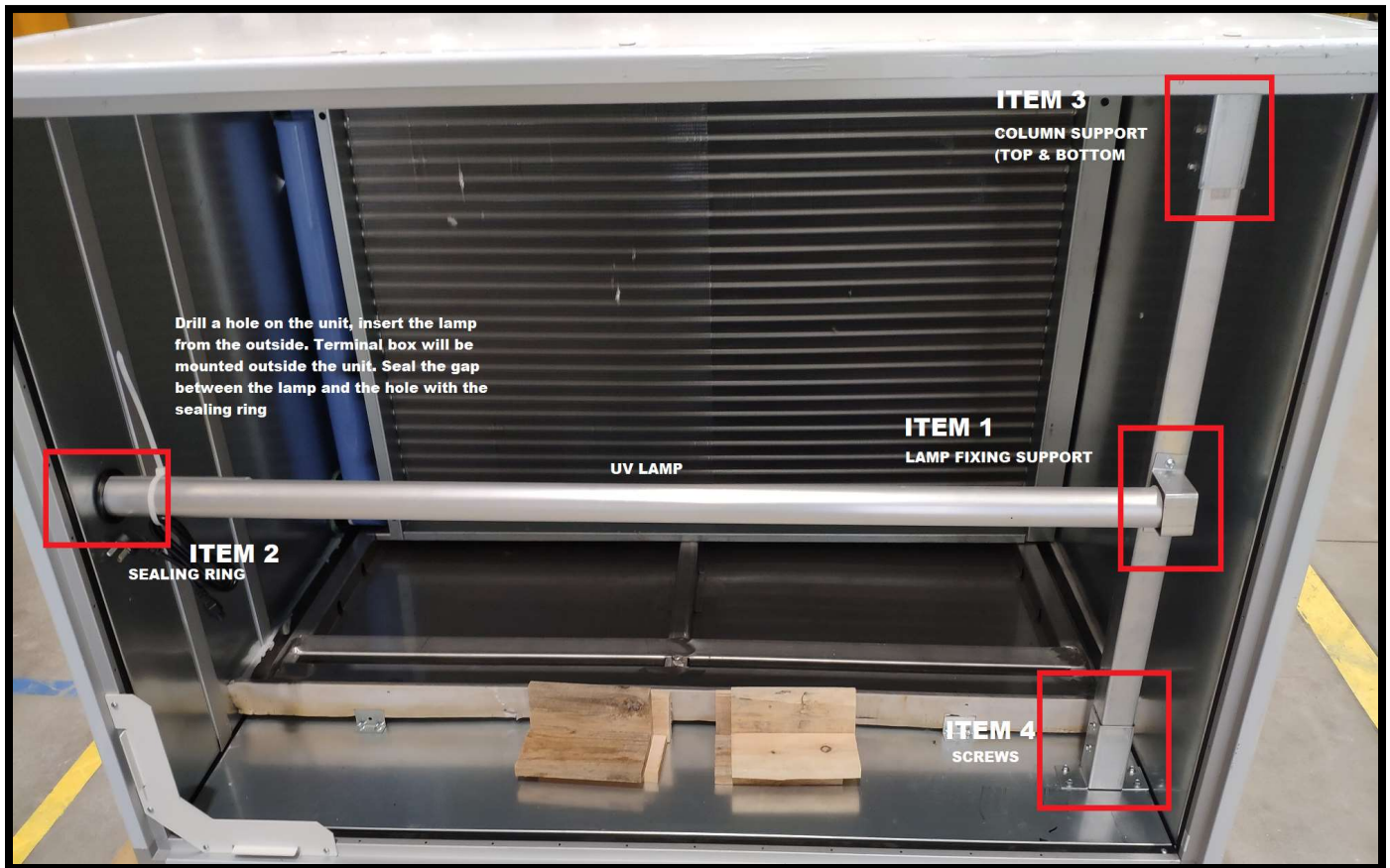
# UV Lamps



## OPTIONAL PARTS

Part number : UVC SPT KIT

Description : UVC Light Frame Support Kit



| Item no | Part number                                  | Description                      | Qty/set |
|---------|--|----------------------------------|---------|
| 1       | UVC SPT KIT                                  | Lamp fixing support              | 1       |
| 2       |  | Sealing Ring                     | 2       |
| 3       |  | Column support (Top and bottom ) | 2       |
| 4       |  | Screw                            | 16      |
| 5       | Not part of the kit. To be purchased locally | Column based on length required  | 1       |