

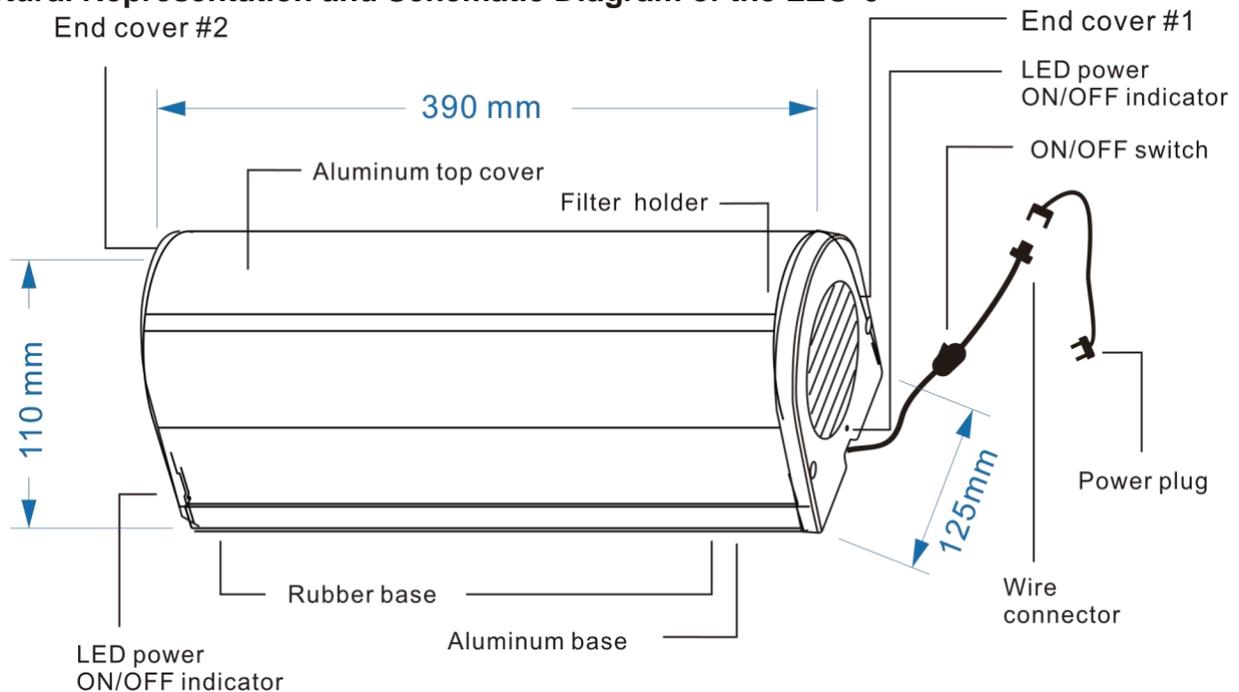


## UVGI LEO-6 AIR STERILIZER

Model: LEO 6  
 Lightwave: UV-C primarily in the 253.7nm wavelength  
 Power: AC220-230V,50Hz  
 UV intensity inside the chamber: 15,000  $\mu\text{w}/\text{cm}^2$   
 Bulb lifespan: 8 000 operational hours  
 Ballast lifespan: 20 000 operational hours  
 Bulb length: 217mm  
 Power of bulb: 18 watts amalgam  
 Negative ions: 2 millions/cc  
 PCO plate inside coated with SM nano 1152 TiO<sub>2</sub>  
 PP plasma filter  
 Effective area: 30 square meters  
 Net weight: 2.5 kgs  
 Built-in suction fan with pilot light  
 indicating when UV-C lamp needs to be replaced  
 PCO plate coated with SM nano1152 TiO<sub>2</sub>  
 Negative ion



### Structural Representation and Schematic Diagram of the LEO-6



To mitigate against airborne viruses,

bacteria, mold and yeast.

**UVGI LEO-6**

## UVGI LEO 6 : HOW THEY ARE MADE

[www.somamedicalnews.com](http://www.somamedicalnews.com)   [www.uvgi.asia](http://www.uvgi.asia)   [www.somamedical.net](http://www.somamedical.net)

UVGI LEO 6 Air purifiers are designed for effective action in environments up to 125 cubic meters (roughly corresponding to a base area of 45 square meters).

For larger spaces it may be appropriate to install more units equally distributed in the environment.

The electro-photostatic filter removes particles up to 5 microns from the air, such as pollen, dust and other allergens. Ensures an ideal and lasting operation of the unit.

The ultraviolet light (UV-C) working at 253.7 nm emitted by the lamp eliminates bacteria, viruses, spores, molds and any other micro-organism present in the air.

The interaction of UV-C light with the titanium dioxide SM Nano1152 with the lamellae on the inner lining of the lid generates a natural phenomenon called 'photocatalytic oxidation' which causes a reduction of the organic vapors (VOC) present in the environment and mitigates the growth of bacteria, yeast and mold.

Incorporated is also a negative ionizer produces negative ions and causes a further reduction of fine dust and allergens, too small to be retained in the filter.



Hospital



Lab



Food processing plant

### Benefits:

-Effective in the prevention of Tuberculosis, MRSA,H1N1 and other airborne cross contamination.

- Eliminates 99.9% of bacteria, yeast, mold and fungus problems found in hospitals, schools, food manufacturing plants and offices.
- Recommended by medical experts.
- Kills harmful bacteria in closed premises.
- Reduces asthmatic effects.
- Eliminates odours and neutralizes the air.

### Applications and locations where to implement :

- Treatment of air in waste management facilities.
- Removal of "bad air" in factories and adjacent offices.- Food storage facilities (cheese, wine, vegetable, fruit, meat, etc..).
- Clinical environments such as clinics, hospitals, operating rooms, dental surgery, schools, holding facilities.
- Laboratoria and testing facilities that require a clinically clean environment.
- Food processing plantations.
- Decontamination of storage facilities.

Contact details

