



UVGI LEO-3 AIR STERILIZER

Model: LEO-3

Lightwave: UV-C primarily in the 253.7nm wavelength

Power: AC220-230V, 50Hz

UV intensity: 85 $\mu\text{W}/\text{cm}^2$

Bulb lifespan: 8 000 operational hours

Ballast lifespan: 30 000 operational hours

Bulb length: 21.5"

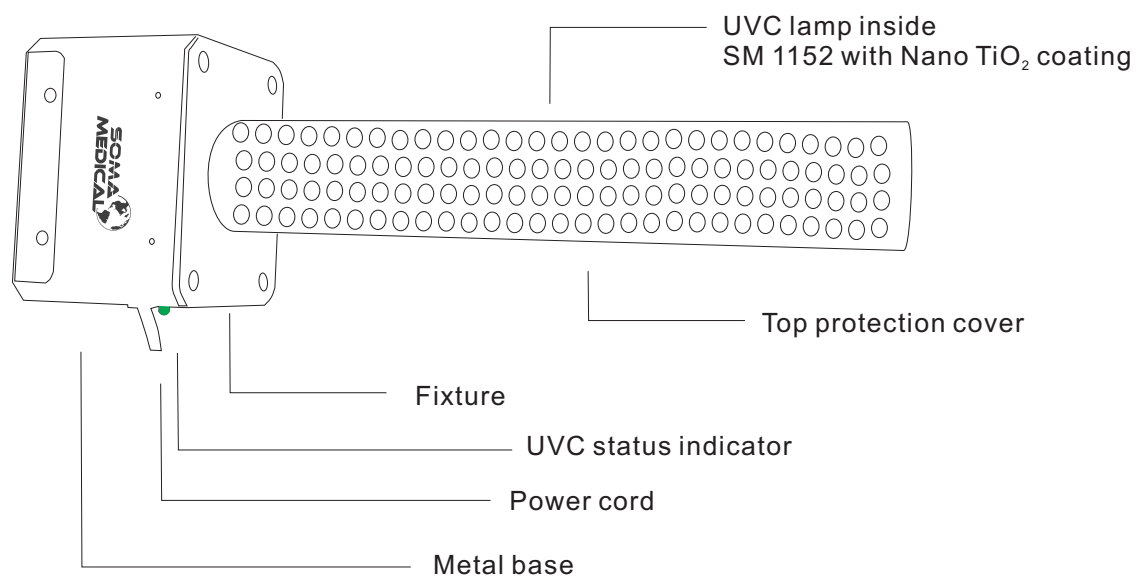
Power of bulb: 28 watts

Metal housing

SM 1152 with Nano TiO_2 coating



Structural Representation and Schematic Diagram of the LEO-3



The best way to prevent airborne diseases, yeast, fungi, bacteria and mold is to **ELIMINATE them**

UVGI LEO-3

What UVGI / UVC technology can do:

Scientific evidence confirms that *Clostridium difficile*, MRSA, VRE, *Acinetobacter baumannii*, and influenza are transmitted via environmental surfaces.

Studies indicate that only 50% of environmental surfaces in a typical operating room suite or patient room care in hospitals are effectively disinfected.

Hence a patient's risk of contracting a Hospital Acquired Infection (HAI) from contaminated surfaces increases when the previous room occupant was infected.

- Mobile ultraviolet light (UV-C) unit significantly reduces aerobic colony counts and *C. difficile* spores on contaminated surfaces in hospitals.
- System for clinical & domestic applications to perform a proper air and surface sterilization against microbial contamination.
- Effective in the eradication of dust mites and bed bugs when used periodically.
- Prevention against indoor air contamination such as bacteria, mold, yeast and fungi.
- Decontamination of patient rooms, hotel rooms, meeting rooms etc... using an automated mobile UVC Light Unit.
- Short wavelength sterilization method to break down microorganisms in food and water.
- Variety of applications, such as food, air and water purification.
- UVC radiation destroys nucleic acids in organisms.
- Deadly effect on micro-organisms, pathogens, viruses and molds.
- Sterilize drinking- and wastewater.
- Air sanitization and purification.



Hospitals



Laboratories



Food processing plants

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, vegetables, fruits, meat, etc..).
- Clinical environments such as clinics, hospitals, operating rooms, dental surgeries, schools, holding facilities.
- Laboratoria and testing facilities that require a clinically clean environment.
- Food processing plantations.
- Decontamination of storage facilities.

Contact details