

# STERIL RAY ULTRAVIOLET STERILIZATION UNIT



## TECHNICAL PROPERTIES

PRODUCT INFORMATION			
1	MODEL	STERIL RAY	
2	MODEL NO	436HOK-1	36HOK-1
4	DIMENSIONS	500mm x 80 x 50 m	1000mm x 80 mm x 50 m
5	TOTAL POWER	22 W	65 W
6	POWER SUPPLY	230V,50Hz	230V,50Hz

Steril Ray UV-C units kill microorganisms such as COVID-19, legionella, influenza, swine flu exc. The units could be mounted to the ceiling and wall. Also there are portable and stand models.

Steril Ray UV-C units could be used to deactivate microorganisms on surfaces and air in places which has inadequate air ventilation and risk of high contamination.

Steril Ray UV-C units are the most suitable units for disinfection of air and surface of the places such as hospitals , malls, stores, food and beverage plants, pharmaceutical plants, chemists, clean rooms and all the places needed to be hygienic

UV-C lamps emit 254 nm wavelength which is in the region of maximum germicidal effectiveness and highly lethal to virus, bacteria, protozoa and mold.

For increasing the UV-C effectiveness, special UV-C electronic ballasts and high reflective sheets are used in the Steril Ray UV-C units

UV-C lamp effective life is 9.000 hours.

Personal protection equipment is required when entering the irradiated space with the germicidal lamps operating.

Personal protection equipment includes skin and eye protection such as gloves, long sleeves with no gaps between cuff and gloves, and an ultraviolet resistant faceshield.

Safety procedures should be implemented to prevent ultraviolet exposure of personnel to direct or reflected ultraviolet rays. Overexposure to germicidal ultraviolet rays will result in the irritation of the eyes and reddening of the skin.

In the event of breakage, DO NOT use a household vacuum cleaner to pick up fragments of the lamp. Sweep up debris into a plastic bag and dispose of properly. Wear protective gloves when handling broken ultraviolet lamps.

Germicidal ultraviolet lamps, like standard fluorescent lamps contain small amounts of mercury. Mercury added lamps should not be placed in the trash. Dispose of properly.

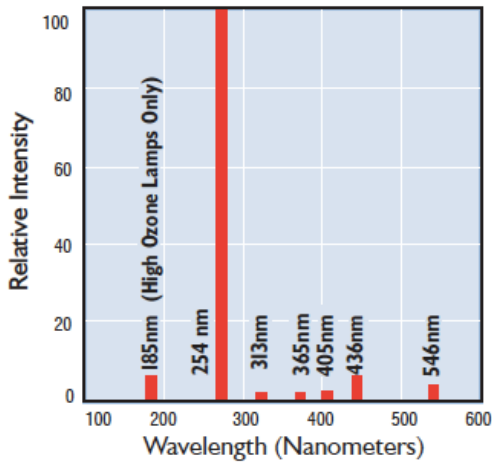
For further information regarding the disposal and recycling of lamps containing mercury, along with Federal and State requirements visit <http://www.lamprecycle.org>.

Our UV-C lamps in the Steril Ray UV-C units are manufactured by Atlantic Ultraviolet/USA. Gentra Ultraviolet is the distributor of Atlantic UV in the regions; Europa and Middle East.

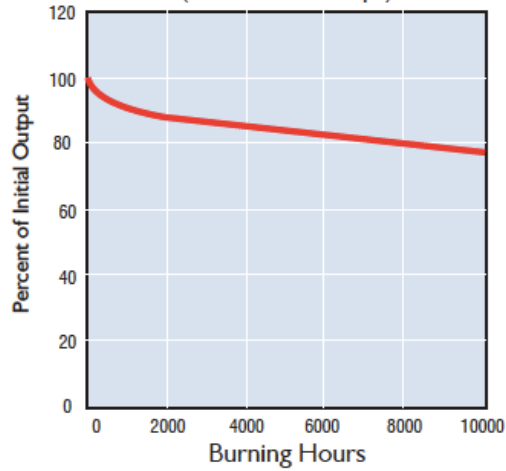
# UV-C LAMP PROPERTIES



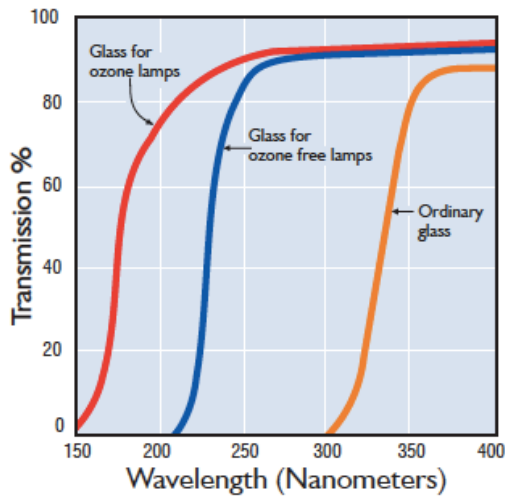
Relative Spectral Energy Distribution (Typical)



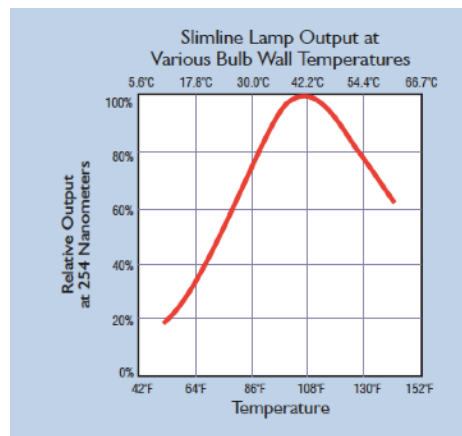
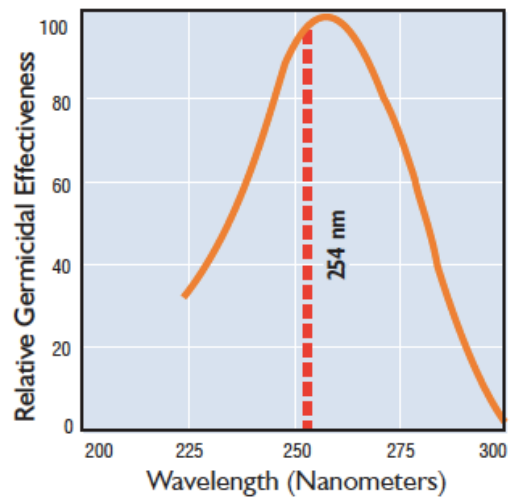
Average Ultraviolet Maintenance at 254nm (conventional lamps)



Transmission Curves for High Silica Glass Used in **STER-L-RAY™** Germicidal Lamps



Germicidal Effectiveness as Related to Wavelength



## ARMORLITE PROTECTIVE MEMBRANE



- The **ArmorLite™** Safety Shield insures protection for employees, products and work environments by eliminating the dangers associated with fragments of broken quartz and mercury contamination.
- Excellent transmission of ultraviolet energy, with minimal loss in output.
- Excellent resistance to nearly all chemicals.
- Insulates ultraviolet lamp from reduced ambient temperatures.
- Relative ultraviolet output is reduced with lower lamp temperatures.
- Protects against hazards (physical, material handling) associated with broken lamps, quartz fragments and mercury contamination.
- Reduces costs associated with broken lamps: costly downtime during cleanup, possible loss of products due to contamination, etc.

