

UV Potency Required for Microbe Disinfection (measured as microWatt seconds per centimeter squared $\mu\text{W-sec}/\text{cm}^2$)	
Bacteria	UV Dose
Bacillus Paratyphosus	6,100
Legionella Bozemanii	3,500
Legionella Micdadei	3,100
Mycobacterium Tuberculosis	10,000
Salmonella Enteritidis	7,600
Salmonella Typhi (Typhoid Fever)	7,000
Streptococcus Hemolyticus	5,500
Virus	UV Dose
Influenza	6,600
Infectious Hepatitis	8,000
Adeno Virus Type 3	4,500
Rotavirus	24,000
Mold	UV Dose
Aspergillus Amstelodami	77,000
Mucor Mucedo	77,000
Penicillium Chrysogenum	56,000
Yeast	UV Dose
Baker's Yeast	8,000
Brewer's Yeast	13,200

This chart is intended to illustrate the potential effectiveness of ultraviolet wavelength exposure to various bacteria microbes and is based on credible university and independent laboratory studies. General Filters, Inc. does not make any claims to accuracy of information.

Ultraviolet wavelength potency is measured at one meter from the lamp. An accepted standard measurement by lamp manufacturers. Calculate ultraviolet radiation potency at measured distances by multiplying the potency of the lamp ($\mu\text{W}/\text{cm}^2$ @ 1 meter) by the potency factor. Example: Multiply the GUV100A83 potency output of (180 $\mu\text{W}/\text{cm}^2$ @ 1 meter) by the distance of 2 inches (69 Potency Factor) = 12,420 $\mu\text{W-sec}/\text{cm}^2$.

Distance from Lamp	Potency Factor	Distance from Lamp	Potency Factor
0	354	12	12
1	127	15	6
2	69	20	4
4	32	25	3
6	20	30	2
8	14	35	1.4
10	13	39.97	1

GeneralAire Model	Lamp Length	Voltage	Lamp Output In Watts	HOTC Electronic Regulating Ballast	Max SQ FT Range	Lamp Potency $\mu\text{W}/\text{cm}^2$ @ 1 meter	Ballast Warranty
GUV100A83	16 "	120/230	36	Yes	4500	180	5 year
GUV25403A	16"/5"	120/230	36/8	Yes	4500	180/12	5 year
PC02450	18"	120	50	Yes	4000	135	5 year
MS24/MS240Z	16"	24	36	Yes	4000	105	5 year

*MS24 requires 50VA Transformer (GA3501)