

COMMERCIAL GERMICIDAL UVC LIGHT

PRODUCT FEATURES

Eliminate up to 99% of harmful bacteria, viruses and other microbes on surfaces and in the air

First Class US leading manufacturer of UVC tubes

NICHE UVC ballast with Pre-heating function to extend life time by 5,000hrs

Micro-wave Sensor integrated to avoid people getting hurt by accident

72" lengthy cord with standard 3-pole plug

Switch function: Off/Sensor Mode/BLE Mode

Sensor Mode: UVC light can turn off & buzz automatically once motion detected.

BLE Mode: Enable connect a BLE device to this fixture to remote control the light via app.

Portable version easily fit any applications

2 or 4 pcs 21 watt Pre-heating Start UV tubes configuration optional

16,000hrs rated average tube life

Standard G10Q base for easy replacement

Designed for complete space sanitation with a 360 degree omnidirectional configuration

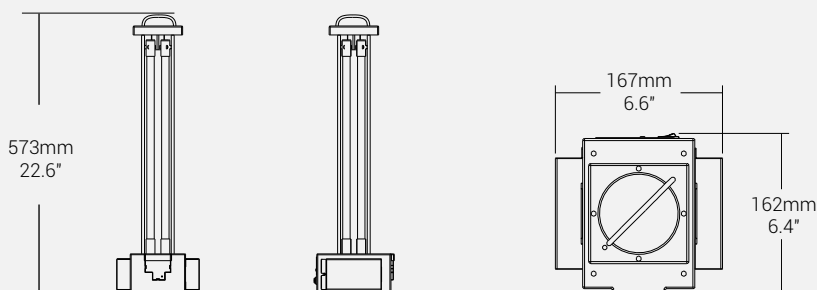
Remote off and timing (15/30min) function with remote controller



ORDER NUMBER

MODEL NUMBER	WATT	INPUT VOLTAGE	RATED LIFE TIME	TUBE TYPE	TUBE BASE	TUBE QTY	BALLAST QTY	TIMER	SENSOR	SCHEDULABLE
E42UVX202P	42	120-277V AC	16,000hrs	T5	G10Q	2 pcs	1 pc	Yes	No	No
42UVX202P	42	120-277V AC	16,000hrs	T5	G10Q	2 pcs	1 pc	Yes	Yes	No
S42UVX202P	42	120-277V AC	16,000hrs	T5	G10Q	2 pcs	1 pc	Yes	No	Yes
E84UVX402P	84	120-277V AC	16,000hrs	T5	G10Q	4 pcs	2 pcs	Yes	No	No
84UVX402P	84	120-277V AC	16,000hrs	T5	G10Q	4 pcs	2 pcs	Yes	Yes	No
S84UVX402P	84	120-277V AC	16,000hrs	T5	G10Q	4 pcs	2 pcs	Yes	No	Yes

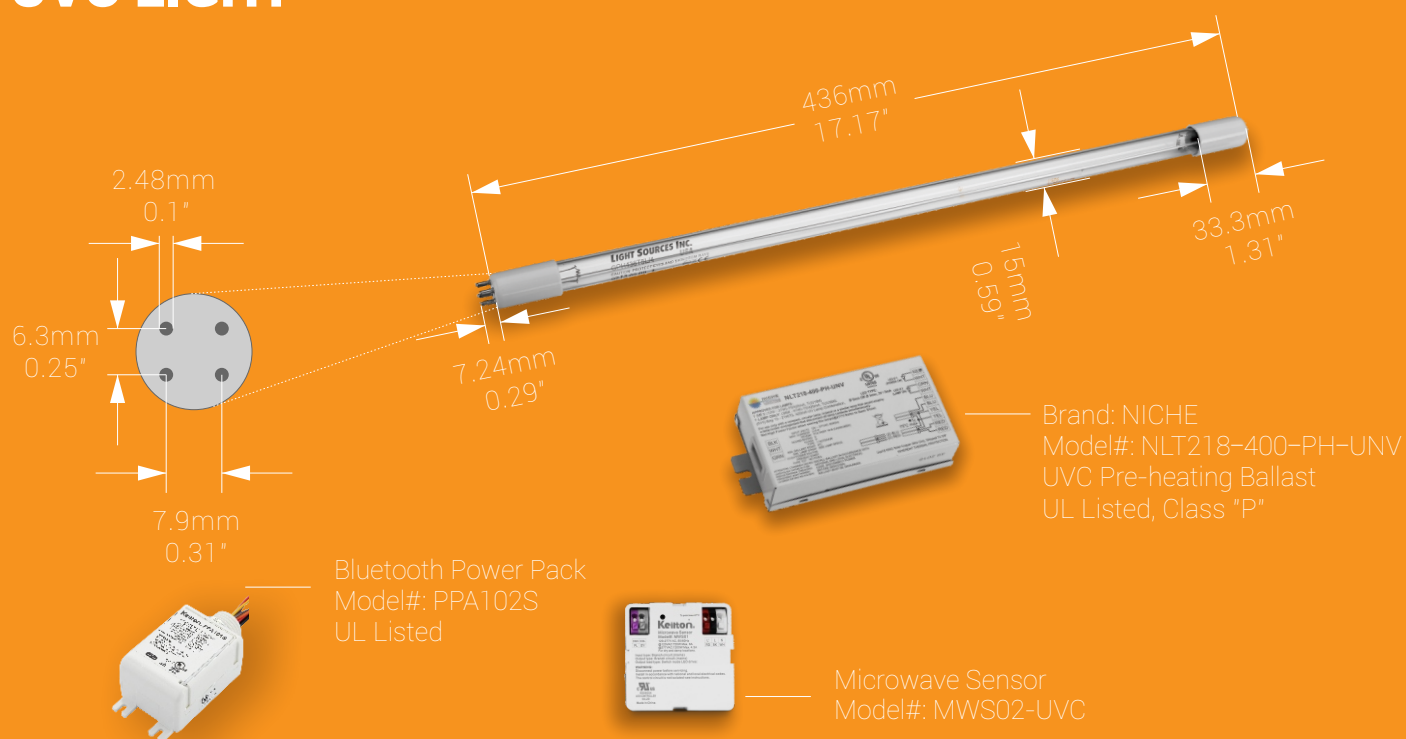
LINE DRAWING



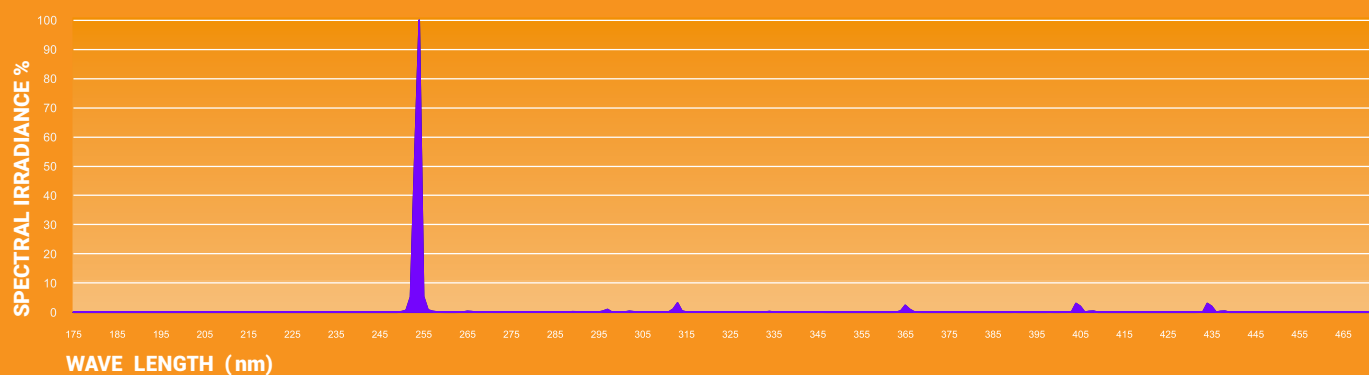
APPLICATION

Indoor office space, hotels, schools, shopping mall, supermarkets, retail areas, and other commercial sites.

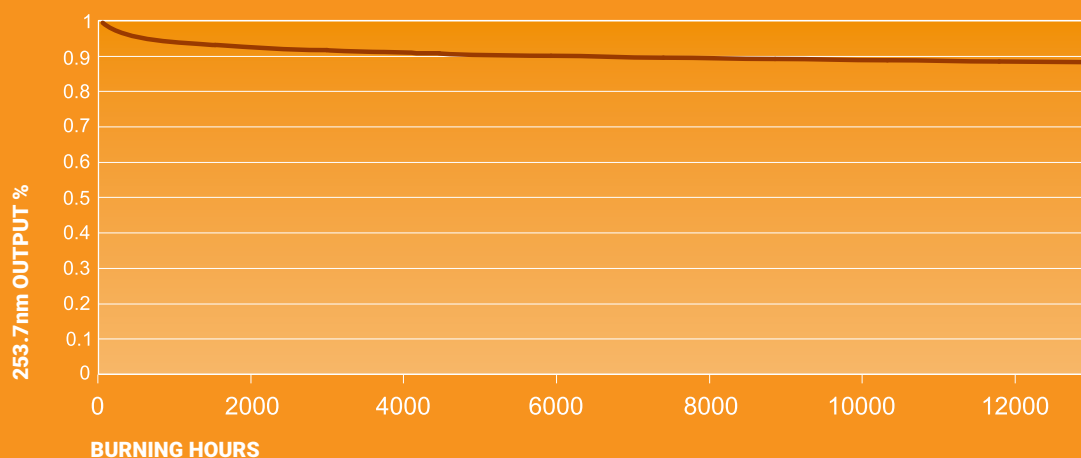
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RELATIVE SPECTRAL ENERGY DISTRIBUTION



MAINTENANCE CURVE



COMMERCIAL GERMICIDAL UVC LIGHT

Table 1-The distance and ultraviolet radiation intensity for 84W UVC Light tested

UVC and UVC-254 ultraviolet illuminometer distance	50cm	70cm	1m	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m
Testing spaces as UVC in the center(m²)	/	/	3.00	4.50	8.00	10.00	12.00	14.00	16.00	18.00	20.00
miniUltraviolet radiation intensity(uw/cm²)	2230.0	1192.0	312.0	183.0	128.7	77.9	56.8	39.0	34.1	28.1	21.9

Table 2-Killing rate of 99.99% organism with 84W UVC Light tested

Test item(s)	Laboratory criterion Dosage needed for 99.9% killing rate(uw/cm²)	time needed for 99.99% killing rate when away from UVC 10cm	time needed for 99.99% killing rate when away from UVC 1m	time needed for 99.99% killing rate when away from UVC 1.5m	time needed for 99.99% killing rate when away from UVC 2m	time needed for 99.99% killing rate when away from UVC 2.5m	time needed for 99.99% killing rate when away from UVC 3.0m	time needed for 99.99% killing rate when away from UVC 3.5m	time needed for 99.99% killing rate when away from UVC 4m	time needed for 99.99% killing rate when away from UVC 4.5m	time needed for 99.99% killing rate when away from UVC 5.0m
Escherichia coli	7000	5S	0.416min	0.635min	1.007min	1.489min	2.036min	2.956min	3.372min	4.116min	5.225min
Staphylococcus aureus	6600	5S	0.416min	0.624min	0.994min	1.479min	2.034min	2.935min	3.374min	4.091min	5.223min
Influenza	6600	5S	0.416min	0.624min	0.994min	1.479min	2.034min	2.935min	3.374min	4.091min	5.223min
Agrobacterium tumefaciens	8500	6.364S	0.583min	0.888min	1.420min	2.080min	2.866min	4.159min	4.768min	5.783min	7.380min
SARS-Cov-2	22000	16.364S	1.227min	1.841min	2.945min	4.336min	5.973min	8.673min	9.920min	12.048min	15.423min

DISTRIBUTION DIAGRAM OF ULTRAVIOLET RADIATION TENSITY

