



Helios[®] Technical Data Sheet

The *only* patented, automated triple emitter UV-C decontamination system

The Surfacide Helios system is an automatic, non-touch UV-C decontamination system that significantly reduces bacteria, viruses, and spores that are known to colonize on hard surfaces.

Physical Dimensions

Single Emitter

Height	77 inches 1.96 meters
Width	17.5 inches 0.44 meters
Depth	17.5 inches 0.44 meters
Weight	112 pounds 50.8 kilograms

Three Emitters Conjoined

Width	17.5 inches 0.44 meters
Depth	57.5 inches 1.46 meters

Joiner

Weight	9.2 lbs 4.2 kg
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Joiner with Tablet Holder

Weight	10.4 lbs 4.7 kg
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Tablet

Weight	1.0 lbs 0.5 kg
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Safety Motion Sensor

Weight	0.2 lbs 0.1 kg
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Power

Nominal power consumption during operation is 500W per emitter or 1500W per system.

Emitter Input Power	100-240 V~ 50 / 60 Hz 720 VA
Safety Motion Sensor Input Power	INPUT POWER _____ ----- 5.0 V 500 mA 2.5W

Power Cord Specifications

Australia Power Cord	AU1-10P, AS NZS 4417, AS NZS 3112
UK Power Cord	BS1363 (13A fuse) Black
US Power Cord	NEMA 5-15P(6AWG2IEC60320 C-13)

Lamp Output

Three Surfacide lamps are nested in the emitter and positioned inside of a reflective parabolic concentrator to focus the UV-C energy in a targeted direction. Surfacide emitters harness 100% of the energy output and focus it outward, similar to a magnifying glass, allowing the system to decontaminate specific areas in the room as determined by the laser map.

Lamp Specifications

Lamp Wattage	156 W
Lamp Current	1.2 A
Lamp Voltage	130 V

Physical Data

UV Output 253.7nm (100hr)	54 W
Intensity @ 1m	440 $\mu\text{W}/\text{cm}^2$
Rated Average Life	16000 hrs

Environmental Conditions

Indoor use only.
IPX0-no protection against water ingress.
Altitude up to 2000m.
Temperature 5°C to 30°C.
5% to 95% relative humidity, non-condensing environments.
100-120V or 220-240V AC mains power supply, may have fluctuations up to $\pm 10\%$ of the nominal voltage.
Transient overvoltages of the mains supply should not exceed 2500V.
Temporary overvoltages of the mains supply should not exceed 10% of nominal mains voltage.

Safety Features

Safety Motion Sensor	Detects entry into the room and completely shuts down the system.
Caution Tape	Doors can be blocked off with Surfacide Caution Tape.

System Markings and Information

Harmonized Tariff Schedule (HTS) Number	8543.70.9960
ETL Authorization to Mark Control Number	4009296
US EPA Establishment Number	92526-WI-1

Replacement Part Numbers

Fuse (6 Amp)	3299100
UV Lamps 3 pack	1282000
Surfacide Caution Tape	3296000

Included in Purchase

Three UV-C Emitters
Control Tablet
Two Safety Motion Sensors
Tablet Holder and Two Joiners
Standard One Year Manufacturers Warranty and One Year SURFcare Extended Warranty

