



- *Reliable with minimal maintenance*
- *Eliminates disposal of chemical disinfectants*
- *Leaves no residual disinfectant on instruments*
- *Kills viruses and pathogenic organisms in a recommended five minutes*
- *Rugged shelving supports heavy items*
- *Provides an effective disinfection option where no other methods exist*
- *Heavy-duty stainless-steel chamber*
- *Easy-to-use, one button operation*
- *A recommended 1 minute to kill SARS-CoV-2, the virus that causes COVID-19*

Enhance bio-security protocols with UV-C light sterilization

The BioShift® Single-Door UV-C Chamber is an eco-friendly and cost-effective tool that uses ultraviolet C (UV-C) light sterilization to kill viruses and other pathogens before they enter bio-secure areas. The BioShift® chamber's UV-C light fixes key vulnerabilities found on everyday items like food and cell phones by destroying the bacteria's ability to multiply and spread disease.

Effective

The BioShift® chamber uses ultraviolet C (UV-C) germicidal radiation, which provides a cost-effective and immediate way of deactivating the DNA in bacteria and viruses by destroying their ability to multiply and cause disease. There are two factors that directly influence the effectiveness of UV-C disinfection: time of exposure and light intensity.

Easy to use

When needing to sanitize a tool or before entering a bio-secure area, simply place your items into the BioShift® chamber. Then, after exposing the items to UV-C light for a recommended time of five minutes, the items can be removed. The process can be repeated as needed.

Adapts to Your Facility

The BioShift® single-door chamber is available in two sizes! The small chamber allows for easy placement on top of a counter, without taking up too much valuable space, while the large chamber is great for use when higher volumes of disinfection is needed.

Learn more on our website:
www.once.lighting

Electrical Specifications

Product	Input Voltage	Operating Power / Current	Standby Power / Current	Germicidal Bulbs / Lamps
BioShift® UV-C Chamber - Small	110V / 60 HZ	110W / 1 A	6W / 128 mA	20W (4 UV-C lamps)
BioShift® UV-C Chamber - Small	240V / 50/60 HZ	115W / 550mA	8.6W / 98 mA	20W (4 UV-C lamps)
BioShift® UV-C Chamber - Large	110V / 60 HZ	785W / 7.2 A	20W / 300 mA	40W (18 UV-C lamps)
BioShift® UV-C Chamber - Large	240V / 50/60 HZ	755W / 3.3 A	21W / 158 mA	40W (18 UV-C lamps)

Dimensions

Product	Outside Mechanical Dimensions	Inside Mechanical Dimensions
BioShift® UV-C Chamber - Small	23 L x 29.5 W x 23.6 H inches (585 L x 750 W x 600 H mm)	20.9 L x 19.5 W x 19.5 H inches (530 L x 495 W x 495 H mm)
BioShift® UV-C Chamber - Large	46.5 L x 30 W x 72 H inches (1180 L x 762 W x 1828 H mm)	44.1 L x 21.1 W x 66.7 H inches (1119 L x 535 W x 1695 H mm)

General

Weight	Small = 125 lbs. (57 kg) / Large = 375 lbs. (170 kg)
Timer Setting	5:00 minutes
Output	254 nm UV-C
Initial minimum irradiance	250 mJ/cm² (300 seconds, cold start)
Operating	41°F (5°C) to 104°F (40°C) temperature, Max humidity 80% up to 88F (31C), 50% at 104F (40C)
Storage	-20°F (-28°C) to 140°F (60°C) temperature, 10–95% humidity

Ordering Information

	SKU
BioShift® Single-Door Small Chamber <i>Single Tray Unit</i>	24-0256
Replacement Lamp 20W <i>Small Chamber</i>	24-0054
BioShift® Single-Door Large Chamber <i>Four Tray Unit</i>	24-0277
Replacement Lamp 40W <i>Large Chamber</i>	24-0055
Replacement Ballast	24-0052



How it works

There are two factors that directly influence the effectiveness of UV-C disinfection: time of exposure and UV-C radiance (intensity). Testing by a nationally recognized laboratory specializing in antimicrobial, biocidal and viricidal effectiveness showed that five minutes of exposure to UV-C radiation in the BioShift® chamber resulted in the elimination of >99.99% of common viruses and bacteria. UV-C radiation has been shown to kill SARS-CoV-2 the virus that causes COVID-19 in a recommended 1 minute.

The table on the right shows the effectiveness of a typical five-minute exposure in the BioShift® chambers and the minimum dose (mJ/cm²) to kill 99.99% of a selected group of bacterias and viruses.

For more critical dose data, please contact our technical support at info@onceteam.com.

Typical five-minute exposure in the BioShift® UV-C chamber

Pathogen	Classification	Critical dose at 4-log disinfection (mJ/cm²)	Chamber effectiveness in 5-min
Adenovirus type 15	Virus	165	x
Bacillus anthracis spores - Anthrax spores	Bacteria	93	x
Candida	Fungi	92	x
Clostridium tetani	Bacteria	44	x
Salmonella typhimurium	Bacteria	32	x
Calicivirus feline	Virus	30	x
Giardia lamblia	Protozoa	27	x
Porcine Epidemic Diarrhea	Virus	25	x
PRRS	Virus	23	x
Influenza	Virus	14	x
Staphylococcus aureus	Bacteria	11	x
Salmonella enteritidis	Bacteria	11	x
Cryptosporidium parvum	Bacteria	10	x
Legionella pneumophila	Protozoa	10	x
Rabies virus	Bacteria	10	x
Escherichia coli - O157:H7	Bacteria	7	x
Campylobacter jejuni	Virus	5	x
Canine Parvovirus	Virus	3	x
Bovine Coronavirus (BCV)	Virus	3	x



15255 23rd Avenue North
Plymouth, MN 55447
United States of America
P +1 (763) 381-5621
info@onceteam.com

Am Südfeld 7
49377 Vechta
Germany
P +49 (0) 4441-8898-10
info.germany@onceteam.com

Wlclawska 167
87-100 Tourn
Poland
P +48 (56) 699-5330
info.poland@onceteam.com