



- *Inactivates a majority of viruses in a recommended five-minute disinfection cycle*
- *Rugged shelving supports heavy items*
- *Provides an effective disinfection option where no other methods exist*
- *Digital LCD display with count-down timer and lamp maintenance log*
- *Heavy-duty stainless-steel chamber*
- *Easy-to-use, one button operation*
- *Chemical-free disinfection*
- *A recommended one minute cycle time inactivates SARS-CoV-2*

This product is for industrial / laboratory use only.

Effectively protect against bacteria and viruses with UV-C

The BioShift Pass-Through UV-C Chamber is an eco-friendly and cost-effective tool that uses ultraviolet C (UV-C) light sanitation to inactivate viruses and other pathogens. The BioShift chamber's UV-C light fixes key vulnerabilities found on everyday items like cell phones, keyboards and more by eliminating the pathogen's ability to multiply and spread disease.

Easy to use

Before entering a bio-secure area, simply place your items into the BioShift chamber through the "street" or dirty side. Then, after exposing the items to UV-C light for a recommended time of five minutes, they can be removed on the "bio-secure" or clean side.

Adaptable design

The BioShift Pass-Through UV-C Chamber is available in a small and large size. The small chamber is ideal for small-scale use, limiting the import of pathogens through everyday items like cell phones, food, eyeglasses and tools, while the large chamber is great for facilities or entrances with a higher volume of people coming and going every single day.

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 / 550 mA	8.6W / 98 mA	20W (4 UV-C lamps)
BioShift® UV-C Chamber - Large	110V / 60 HZ	785W / 7.2 A	19W / 175 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/cm ² (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
Rating	IP Rating 50 equivalent

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. In laboratory testing, Signify's UV-C light sources inactivated 99% of SARS-CoV-2 virus on a surface with an exposure time of 6 seconds¹.

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 evidence supporting critical dose data contact: info@onceteam.com

¹Data made available to us by the National Emerging Infectious Diseases Laboratories (NEIDL) at Boston University (to be the subject of a forthcoming scientific publication) shows that Signify's UV-C light sources irradiating the surface of a material inoculated with SARS-CoV-2 (the virus that causes the COVID-19 disease) resulted in a 99% reduction of the SARS-CoV-2 virus at a UV-C dose of 5mJ/cm²(exposure time 6 seconds). This study further determined that a 99.9999% reduction of the SARS-CoV-2 virus would result from applying a UV-C dose of 22mJ/cm²(exposure time 25 seconds). Research variables are available upon request.

Ordering Information

	SKU
BioShift Pass-Through Small Chamber <i>Single Tray Unit</i>	24-0200
Replacement Lamp 20W <i>Small Chamber</i>	26-0053
BioShift Pass-Through Large Chamber <i>Four Tray Unit</i>	24-0201
Replacement Lamp 40W <i>Large Chamber</i>	26-0055
Replacement Ballast (110-277V)	26-0052



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

Pathogen	Classification	Critical dose at 4-log disinfection (mJ/cm ²)	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
PEDV	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