



- *Maximizes bio-security protocols*
- *Kills 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*

Enhance bio-security protocols with UV-C light sterilization

The BioShift® Pass-Through 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.

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, while additional BioShift® Chambers offer a single-door, sizing for standard egg trays and more.

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

BioShift® Pass-Through UV-C Chamber Specifications

	Small Chamber	Large Chamber
Input Voltage	110-240V / 50/60 HZ	110-240V / 50/60 HZ
Operating Power / Current	80W / 670 mA	520W / 5.20 A
Standby Power / Current	7W / 100 mA	20W / 300mA
Germicidal Bulbs / Lamps	20W (4 UV-C lamps)	40W (18 UV-C lamps)
Outside Mechanical Dimensions	29.5 L x 23 W x 23.6 H inches (750 L x 584 W x 600 H mm)	44.1 L x 21.1 W x 66.7 H inches (1119 L x 535 W x 1695 H mm)
Inside Mechanical Dimensions	20.9 L x 19.5 W x 19.5 H inches (530 L x 495 W x 495 H mm)	30 L x 46.5 W x 72 H inches (762 L x 1180 W x 1828 H mm)
Weight	110 lbs. (50 kg)	397 lbs. (180 kg)
Timer Setting	59 minutes, 59 seconds	
Output	254 nm UV-C	
Initial minimum irradiance	250 mJ/cm² (300 seconds, cold start)	
Operating	65°F (18°C) to 105°F (40.5°C) temperature, 10–95% humidity	
Storage	-20°F (-28°C) to 140°F (60°C) temperature, 10–95% humidity	
Rating	IP Rating 50 equivalent	

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	26-0052

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.

The table below 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.*

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
Porcine Respiratory and Reproductive Syndrome	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

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



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