

once[®] ANIMAL LIGHTING

BioShift[®] UV-C Chamber for Egg Sanitation



- Effective egg disinfection
- Easy-to-use, one button operation
- Fits standard egg tray
- Inactivates microorganisms in a recommended 5 min.
- Designed for safety and ease of operation

An Effective Egg Sanitation Solution

The BioShift UV-C Chamber for Egg Sanitation Chamber is an Eco-Friendly biosecurity tool designed with a specialized tray that fits standard egg tray for effective egg disinfection. The BioShift chamber's UV-C light fixes key vulnerabilities found on eggs by eliminating the pathogen's ability to multiply and spread disease.

How it works

There are two factors that directly influence the effectiveness of UV-C disinfection: time of exposure and light 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 >99.999% of common agricultural viruses.

Adapts to your facility

The BioShift UV-C Chamber for Egg Sanitation Chamber allows for easy loading/unloading of eggs from either side of the machine and can be utilized as a pass-through window if desired.

Visit our website for more information: www.once.lighting

Specifications and Ordering

Electrical Specifications

	Input Voltage	Operating Power / Current	Standby Power / Current	Germicidal Bulbs / Lamps
BioShift Small Pass Through	110V / 60 HZ	110W / 1 A	6W / 128 mA	20W (4 UV-C lamps)
BioShift Small Pass Through	240V / 50/60 HZ	115W / 550 mA	8.6W / 98 mA	20W (4 UV-C lamps)
BioShift Large Pass Through	110V / 60 HZ	785W / 7.2 A	19W / 175 mA	40W (18 UV-C lamps)
BioShift Large Pass Through	240V / 50/60 HZ	755W / 3.3 A	21W / 158 mA	40W (18 UV-C lamps)

Ordering Information

	SKU	Order Code
BioShift Small Pass Through	1000000372	9290 021 00322
BioShift Large Pass Through	1000000375	9290 021 00323

Certifications

Conforms to UL STDs 61010-1 & 61010-2-040, Certified to CSA STDs C22.2#61010-1-12 & 61010-2-040, ROHS compliant, California Pro 65, EPA registered Pesticidal Device, EN 61326-1: 2013, FCC 47 CFR Part 18 [2019 Edition] – All, Models except 24-0230 which is exempt for Agriculture, EN61010-1:2010+A1:2019, IEC61010_2_040B.

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	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	P Rating 50 equivalent



Contact us
or learn more at:
www.once.lighting

15255 23rd Ave. N.
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

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Revised 2/2021 Data subject to change



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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 -	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

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