

Care222® MyLumen™ Series

Hospital Grade Germicidal Device

It's a Brand New Germicidal Device in Hospital Grade: Vehicle Disinfection Device

LEADING-EDGE

Performance

Car222 is the vehicle version of Care222 disinfection device utilizes advanced UV-C technology to deliver exceptional performance in sanitizing vehicle interiors. With its precise wavelength and intensity, it efficiently eliminates a wide range of pathogens, including viruses and bacteria, ensuring thorough decontamination.

SHOW YOUR True Sterilize

The vehicle version of Care222 disinfection device provides genuine value through its effective UV-C sterilization, ensuring thorough sanitization of vehicle interiors. By eliminating pathogens without chemicals, it promotes a safer environment for passengers and drivers, reducing the risk of infectious diseases. With its efficiency and ease of use, it enhances operational efficiency and fosters peace of mind, delivering tangible benefits in terms of safety, cleanliness, and overall well-being.

PLEASING

Design Aesthetics

The vehicle version of the Care222 disinfection device features a minimalist, sleek design that seamlessly integrates into vehicle interiors, enhancing aesthetics. Its compact form factor and intuitive controls prioritize convenience. This design ethos reflects a commitment to both functionality and elegance in sanitation technology for vehicles.

SAFE

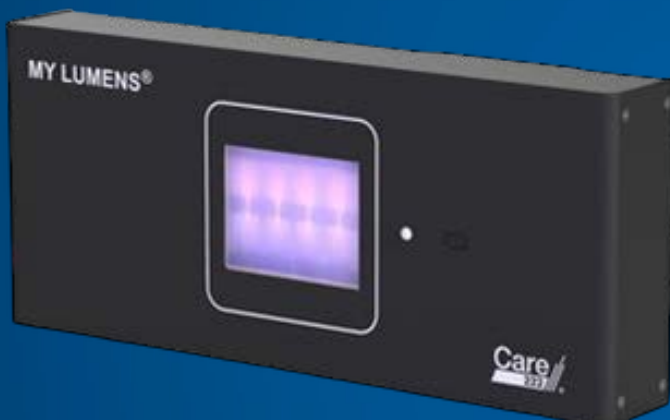
Work Environment

Equipped with Care222®, has the disinfection function of far UVC 222nm, which could be used to sterilize for the airborne and surfaces in the occupied environment

UNMATCHED Savings

Capable of saving in excess of 70 percent in chemical cost and human cost is only half of the story. Maintenance costs are greatly reduced by eliminating the re-lamping cycle — allowing you to dedicate funds to priority projects.

Care
222



Anti-vibration Version



Wall Mount



Mount on Handrail

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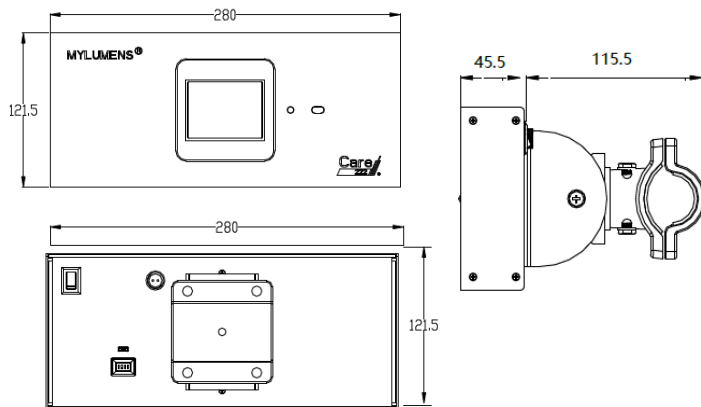
Care222® MyLumens™ Series Germicidal Device

At EcoBay, we're redefining safety, sanitation and sustainability. Our Care222® Hospital Grade Germicidal Device makes designing the ideal disinfection solution for your application quick and easy with a "perfect fit" global design that has greater compatibility with existing interior design of the vehicle. Care222®* rebates combined with greater than 70 percent cost savings of chemical solution that offer a payback of less than one year should make you ask, "Why wait?"

FUV-Car222 Care222® Module Specification

Operation Mode: Occupied mode
Lighting Mode: Far UV irradiation with 3 Modes
Input Voltage: AC100 ~ 240Vac @50/60Hz
Dimension (mm): 280 x 121 x 43
Weight (kg): 1.1 (including transformer)
Beam Angle: 110°
CBCP(uW/cm²): 1320(50mm), 27(500mm), 1.75 (2000mm)
Limited Warranty: 1 years
Lifetime: Designed to last 10,000 hours
ACGIH TLV': 22mJ/cm² @ 8 hours per day (Mode 1) /478mJ/cm² @ 2 hours per day(Mode 2)
Input Power: 13W
Input Voltage: DC9-36V, 1A
Ambient Temperature: 5° - 40 °C
Storage Temperature: - 25 ° - 40 °C

Dimensions(mm)



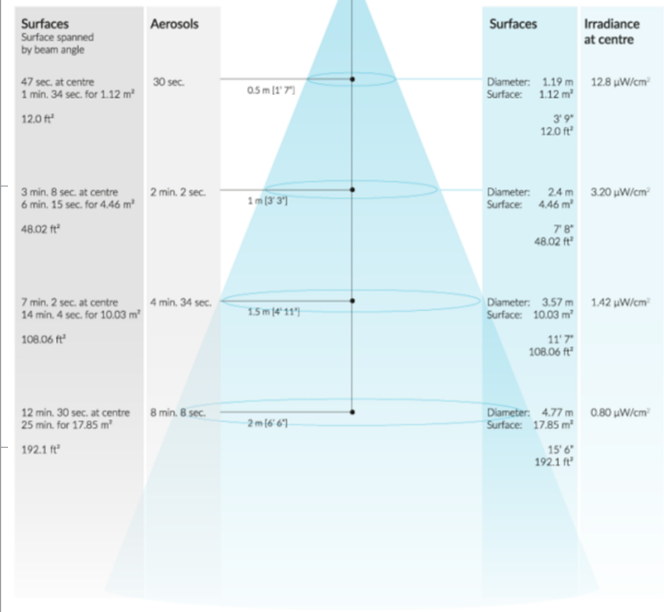
Beam Angles

110° Beam Angle

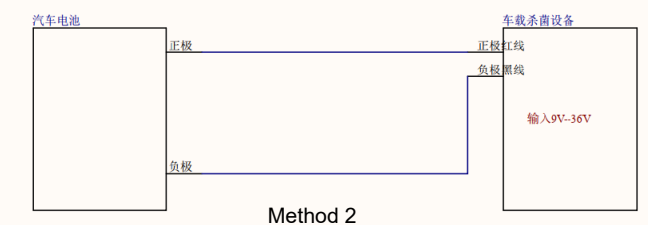
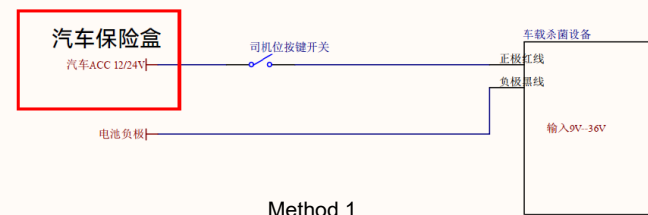
Exposure time to reduce 90% of SARS-CoV2

Care222

100° photometrics



Installation Method



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Better Hygiene, Quality and Infection Control..

Concise design delivers impressive sterilizing results. Redefining what's possible in Far UVC light, the Care222 MyLumen™ Hospital Grade Germicidal Device delivers exceptional disinfection performance by utilizing our patented Care222® Filter Technology that allows you to use in Vehicle where you need it and not where you don't.

Applications



Ambulance

The Care222 disinfection device in ambulances ensures rapid, thorough sterilization, safeguarding against pathogens. Its compact design fits seamlessly into ambulance interiors, promoting a clean and hygienic environment for patients and medical personnel.



Garbage Truck Driver's Seat

The Care222 disinfection device in garbage truck driver's seats ensures sanitation, mitigating the risk of microbial contamination. Its compact design allows for easy installation, providing a clean and safe environment for drivers during their shifts.

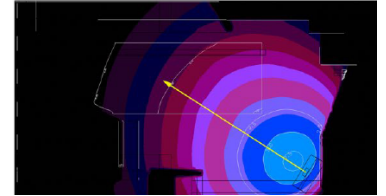
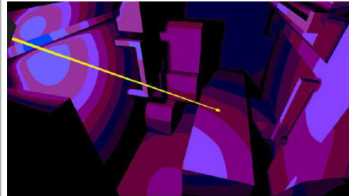


Non-Emergency Ambulance

The Care222 disinfection device in non-emergency ambulances ensures a sterile environment, safeguarding against pathogens. Its compact design suits ambulance interiors, promoting cleanliness and hygiene for patients and medical personnel during transportation.

Care222® Vehicle Simulation

Utilizes Care222® Technology



Above photos demonstrating where FUV-Car222 is installed in the cabin with the simulation of light intensity in the cabin with the placement nearby the seats of drivers and passengers.

Product Comparison

Data	Care222®	UVC
Wavelength	Filtered 222nm	254nm
Mercury	No	Yes
Human Friendly	Yes	No

Construction & Materials

Durable die-cast aluminum housing with lens protects the optical system.

Fanless housing design and smart thermal circuit design with embedded intelligent software properly monitors the operating temperature range.

Slim housing design meets ANSI form factor for Krypton Chloride Excimer Lamps.

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Domain	Species	Methods ¹⁻⁷			
		222nm	254nm	70% ethanol	405nm
Bacteria	MRSA (<i>Methicillin-Resistant Staphylococcus aureus</i>)	+++	+++	+++	+
	<i>Pseudomonas aeruginosa</i>	+++	+++	+++	+
	<i>Escherichia coli</i> O157	+++	+++	+++	+
	<i>Salmonella Typhimurium</i>	+++	+++	+++	+
	<i>Campylobacter jejuni</i>	+++	+++	N.D.	+
	<i>Bacillus cereus</i>	Vegetative cell	+++	++	+
		Spore	+++	—	—
	<i>Bacillus subtilis</i>	Vegetative cell	+++	N.D.	+
		Spore	+++	N.D.	—
Molds and Yeasts	<i>Candida albicans</i>	+++	+++	+++	+
	<i>Penicillium expansum</i>	+++	+++	N.D.	+
	<i>Aspergillus niger</i>	Vegetative cell	+	+++	+
		Spore	+	N.D.	—
Virus	MS2	+++	+++	N.D.	—
	Feline Calicivirus	+++	+++	—	—
	Influenza A	+++	+++	N.D.	—
	SARS-CoV-2	+++	+++	N.D.	—

Table X, Inactivation effect of 222-nm, 254 nm UVC irradiation and 70% ethanol on the various species. Dose of UVC radiation to achieve 3-log reduction of the species is grouped as follows. <50 mJ/cm²: +++, ~100 mJ/cm²: ++, ~1000 mJ/cm²: +, >1000 mJ/cm²: -. Treatment time with 70% ethanol to achieve 3-log reduction of the species is grouped as follows. <10 sec: +++, ~20 sec: ++, ~30 sec: +, >30 sec: -. N.D. means no data. The data shown in green were studied and provided by Ushio Inc.

Reference

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