



ADU (Vehicle Disinfection) Series

SURFACE DISINFECTION UVC FIXTURES

ADU surface and air disinfection fixed units are designed to be installed in the interior roof of vehicles for surface disinfection, pre- and post-transit of passengers. The unit must only be used while the vehicle is unoccupied.

- Ideal for ambulances, buses, transport vans, school buses, mobile grooming vehicles, mobile hospitals, and mobile blood-donor buses.
- Offers a solution for difficult-to-disinfect surfaces such as seats, floors, safety harnesses and seatbelts, and high-touch surfaces.
- Disinfects contaminated surfaces that can spread sickness.

Models

The ADU series fixtures use one 9", 16", or 22" lamp, depending on the model. All models are grid-protected fixtures and provide 360° portable disinfection for unoccupied spaces.

Units are designed for unobtrusive installation in vehicles.



Provides a solution for emergency response for discharge events or for regular cleanings.



Includes delayed start-timer and adjustable disinfection timer.



Enables everyday customers to achieve 99.9% cleaner surfaces in a matter of minutes.

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Standard Specifications

Lamp Specs	PL-L35W, 36W, 60W, 95W (non-proprietary)
Wavelength	254 Nanometers
Expected Lamp/ Bulb Rated Life¹	9000 hours
Lamp Socket	Single Ended, 4 Pin, 2G11
Input Voltage	12V to Door Switches & Control Box and 120V to Fixture
Electrical Requirement	Fixture Plus Control Box = 10 lbs.
Housing Finish	Aluminum
Warranty	Lamps/2 years; Parts/5 years

Certifications:



ASHRAE	meets ASHRAE TC 2.09
EPA ²	EST. NO. 91347-TN-001

Ordering Guide

Model#	Description
ADU-135	One 35W down-facing open lamp with protective grid, timers and door switch, germicidal disinfection, small area (ambulances).
ADU-136	One 36W down-facing open lamp with protective grid, timers and door switch, germicidal disinfection, small area (ambulances).
ADU-160	One 60W down-facing open lamp with protective grid, timers and door switch, germicidal disinfection, small area (ambulances).
ADU-195	One 95W down-facing open lamp with protective grid, timers and door switch, germicidal disinfection, small area (ambulances).

(Please specify with or without control box.)

¹Philips Signify lamp warranty is 9,000 hours.

²The manufacturer is registered with the US EPA. Clinical lab testing has been performed in independent labs.

Due to continuing research, Lumalier reserves the right to change specifications without notice.

Common Name	Pathogen	UVGI K m ² /J	μw/cm ²	UVC intensity in microwatts @60"	number of seconds to achieve 4-log reduction	% pathogen reduction	Number of minutes to achieve 4-log reduction at 60"
Strep	Streptococcus pyogenes	0.81100	0.00811	81μ / sec.	14	99.990	0.23
Pneumonia	Pseudomonas aeruginosa	0.57210	0.005721	81μ / sec.	20	99.991	0.33
Tuberculosis / TB	Mycobacterium Tuberculosis	0.47210	0.004721	81μ / sec.	24	99.990	0.40
Coronavirus	Coronavirus	0.37700	0.00377	81μ / sec.	31	99.992	0.52
Flu	Influenza A & B	0.11900	0.00119	81μ / sec.	96	99.990	1.60
Staph / MRSA	Staphylococcus aureus	0.11300	0.00113	81μ / sec.	101	99.990	1.68
Measles	Measles Virus	0.10510	0.001051	81μ / sec.	108	99.990	1.80
Chicken Pox	Varicella Zoster	0.10500	0.00105	81μ / sec.	108	99.990	1.80
Meningitis (Viral)	Enterovirus (most common)	0.03550	0.000355	81μ / sec.	320	99.990	5.33
Meningitis (Fungal)	Cryptococcus neoformans (most common)	0.00822	0.0000822	81μ / sec.	1380	99.990	23.00
C.diff	Clostridium difficile	0.00770	0.000077	81μ / sec.	1480	99.990	24.67
Meningitis (Bacterial)	Streptococcus Pneumoniae (most common)	0.00492	0.0000492	81μ / sec.	2320	99.990	38.67