MASSPHOTON LIMITED

UVC LED Water Disinfection Model

DESCRIPTION

- Product designed for flowing water disinfection applications.
- Mercury-free UVC LEDs (270-280nm wavelength).
- Disinfection efficiency up to 99.999% or 5.0 log. (Actual performance subject to water quality)
- Anodized aluminum casing for aesthetics and performance.
- Materials in compliance with RoHS and REACH requirements.
- Industry Exclusive! 100% single-tube testing for all UV sterilization modules. Each comes with a unique serial-numbered test report.



100% Sterilization Efficacy Test

99.999% Disinfection Rate

Food Grade Material

Chemical Free

Mercury Free

Easy Installation

Long Lifespan

Low Power Consumption

APPLICATIONS



Whole-House Water Treatment



Catering and Food Processing



Medical-Purified Water



Laboratory Water



Aquaculture and Agriculture

PARAMETERS

1	Model	MP-UV-UWD-48LB
2	Rated Flow	48L/min
3	Water Pressure	0.15Mpa-0.8Mpa
4	Water Pipe Fitting	1 "
5	Power Adapter input	220 V/ 60 Hz
6	Power Adapter Output	24V,1.2A
7	UVC LED Emission Wavelength	270 nm-280 nm
8	Product Lifespan	3 Years
9	Exterior Material	Stainless Steel+Aluminum Alloy
10	Target Microorganisms	E. coli, among others
11	Disinfection Efficiency	(*) Up to 99.999% or 5.0 Log
12	Operation Temperature	5℃ to 40℃
13	Product size	253mm*φ70mm

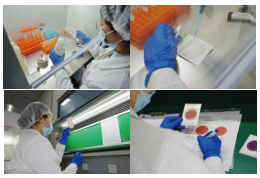
(*) The actual sterilization efficiency subjects to the water quality.

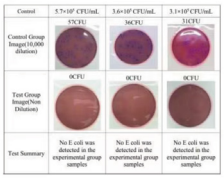
The above test results are based on the following test conditions with test strain of Escherichia coli (8099), with 5×10^4 to 5×10^5 CFU/mL dechlorinated sterile test water

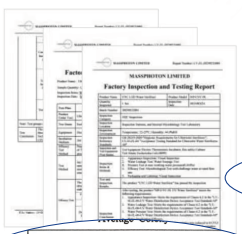
pH	UV transmittance	Turbidity	Temperature	TDS
7.5+0.5	98+2%	< 1.0 NTU	20+2.5°C(68±5 °F)	200 to 500 mg/L

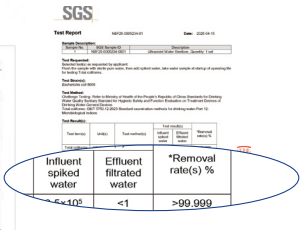
100% Sterilization Efficacy Test

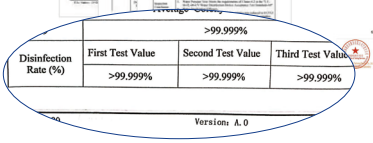
Industry Exclusive! 100% single-tube testing for all UV sterilization modules. Each comes with a unique serial-numbered test report.











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