MASSPHOTON LIMITED

UVC LED Water Disinfection System

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.



Efficient Disinfection | Food Grade Material | Chemical Free | Mercury Free | Easy Installation | Long Lifespan | Low Power Consumption

APPLICATIONS



Desktop Water Dispenser



Air Humidifier



Washing Machine



Dishwasher



Coffee Machine



Pet Water Fountain

PARAMETERS

1	Model	MP-UV-UWD-2.5LC
2	Rated Flow	2.5 L/min
3	Water Pressure	0.1 MPa -0.3 MPa
4	Water Pipe Fitting	3/8 "
5	Power Adapter input	220 V/ 60 Hz
6	Power Adapter Output	24V, 1.5A
7	UVC LED Emission Wavelength	270 nm-280 nm
8	Product Lifespan	20000 Hours
9	Exterior Material	PP
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	121 mm* 35 mm

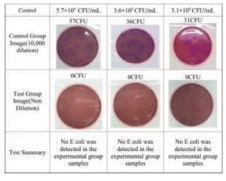
(*) The actual sterilization efficiency subjects to the water quality.

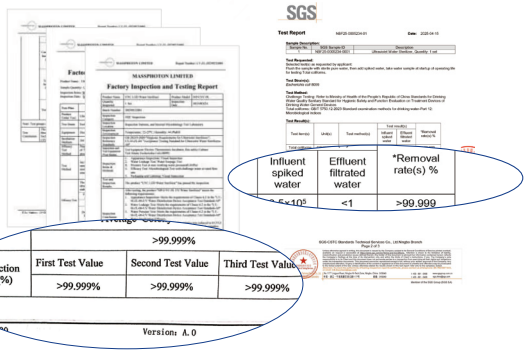
The above test results are based on the following test conditions with test strain of Escherichia coli (8099), with 5×10^4 to 5×10^5 CFU/mL dechlorinated sterile test water

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







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