

Product Catalog

Commercial and Industrial Grade UVC LED Water Disinfection



Model	MP-UVC-4LB	MP-UVC-10LB	MP-UVC-45LB	MP-UVC-4LC
Rated Flow Rate	≤ 4 L/min (1 GPM)	≤ 10 L/min (2.6 GPM)	≤ 45 L/min (12 GPM)	≤ 4 L/min (1 GPM)
Power Adapter Input	DC 24V	DC 24V	100-240 V~50 / 60 Hz	100-240 V~50 / 60 Hz
Total Power	5 W	7.2 W	43 W	5 W
Power Supply Method	Terminal	Terminal	Adapter	Adapter
UV-C LED Wavelength	270 nm- 280 nm	270 nm- 280 nm	270 nm- 280 nm	270 nm- 280 nm
UVC-LED Lifetime	≥ 15,000 Hours	≥ 15,000 Hours	≥ 15,000 Hours	≥ 15,000 Hours
Sterilization Efficiency	Up to 99.999% or 5.0 Log Reduction (*)			
Flow Switch	None	None	Optional	Built-in
Water Pipe Interface Pecification	1 / 4" Quick Connect	1/2 Inch Thread	1 Inch Thread	1 / 4" Quick Connect
Inlet/Outlet Material	Stainless Steel	Stainless Steel	Stainless Steel	Food-Grade Plastic
Maximum Inlet Pressure	0.4 MPa (60 psi)	0.4 MPa (60 psi)	0.8 Mpa (120 psi)	0.4 Mpa (60 psi)
Operating Temperature Range	4℃ to 60℃	4℃ to 60℃	5℃ to 40℃	4℃ - 60℃
Product Dimensions	Ø25.4 mm × 130 mm (Ø1 in x 5.1 in)	Ø35 mm × 185 mm (Ø1.4 in x 7.3 in)	Ø70 mm * 253 mm (Ø2.8 in x 10 in)	Ø42 mm * 252 mm (Ø1.7 in x 9.9 in)
Exterior Material	Aluminum	Aluminum	Aluminum	Stainless Steel

(*) 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 - 500 mg / L

MASSPHOTON LIMITED

Add: Unit 542, 5/F, Building 5W, Hong Kong Science Park, Hong Kong

Website: <http://www.massphoton.com>

E-mail: info@massphoton.com

