PRODUCT SPECSHEET

# UV-WATER

LIGHT PROGRESS
UV-C Technology Solutions

## UNRIVALED EFFECTIVENESS, UNMATCHED DURABILITY


UV-WATER devices can provide effective **inactivation of a wide range of viruses and bacteria** in water.

All products **comply with the regulations** of EC safety and D.M. 174/2004 concerning materials suitable for contact with water for human consumption.

The use of UVC allows a disinfection process which **does not affect smell, taste and pH** of the treated water.

## KEY PRODUCT FEATURES

- **Made for the Task ,**this special form factor has been designed and developed to maximize penetration of UVC light inside water.
- **Increased Disinfection Performance,** with High-Output UV-C lamps (253,7 nm), and up-to 4 lamps in one device to treat larger water flows, continuously.
- **Quartz sleeve,** containing the UVC lamp serves to thermally and hydraulically isolate the UV-C bulb, creating optimal conditions for water purification.
- **Built to last**, with high-quality Stainless Steel AISI 316L, Made in Italy, and all materials are tested for resistance to intense UV-C rays.
- **Monitor Your Operation,** Supply Box and Control Board are equipped with Alarm Signals and Digintal Hour Counters.



HEALTHCARE


HVAC


PROCESS INDUSTRY


HOSPITALITY


SHARED SPACES


PUBLIC VENUES


WELLNESS CENTERS


TRANSPORT

# TECHNICAL TABLE

| | UV-WATER | | | | | |
|---|---|---|---|---|---|---|
| | UV-WATER-21-Ba | UV-WATER-40H-Ba | UV-WATER-42-Ba | UV-WATER-90H-Ba | UVWATER-3/90H | UVWATER-4/90H |
| **LAMP LIFE** | 365 days | | | | 9000 hours* | |
| **REPLACEMENT LAMP** | n°1 GH4-21W | n°1 GH4-40WH | n°1 GH9-42W | n°1 GH9-90WH | n°3 GH9-90WH | n°4 GH9-90WH |
| **LAMP POWER (W)** | 21 | 40 | 42 | 90 | 270 | 360 |
| **SUPPLY** | 110-240V - 50/60Hz | | | | 230V - 50/60Hz (110V on request) | |
| **DIMENSIONS lxpxh** | 590 x 503 x 123 mm (23 x 20 x 5 in) | 590 x 503 x 123 mm (23 x 20 x 5 in) | 1060 x 964 x 130 mm (42 x 38 x 5 in) | 1060 x 964 x 130 mm (42 x 38 x 5 in) | 1030 x 168 x 238 mm (36 x 7 x 9 in) | 1030 x 168 x 238 mm (36 x 7 x 9 in) |
| **FLOW RATE OF THE TREATED WATER (30mJ/cm2 UVT = 95%)** | 1.900 l/h (0,5 l/s) 8.4 gpm | 3.200 l/h (0,9 l/s) 14 gpm | 3.800 l/h (1 l/s) 16.7 gpm | 8.000 l/h (2 l/s) 35 gpm | 18.000 l/h (5 l/s) 79 gpm | 24.000 l/h (7 l/s) 106 gpm |
| **WEIGHT** | 3 Kg 7 Lb | 3 Kg 7 Lb | 5 Kg 11 Lb | 5 Kg 11 Lb | 10 Kg 22 Lb | 12 Kg 26 Lb |
| **IN / OUT (ISO 228.1)** | 3/4" GAS (BSPP) | 3/4" GAS (BSPP) | 1" GAS (BSPP) | 1" GAS (BSPP) | 2" GAS (BSPP) | 2" GAS (BSPP) |
| **OPERATING PRESSURE** | 8 bar (800 KPa) 117 PSI | | | | | |
| **BEST USE** | RESIDENTIAL | COMMERCIAL | RESIDENTIAL | COMMERCIAL | INDUSTRIAL | INDUSTRIAL |
| **PROTECTION RATING** | IP 20 | | | | | |
| **POWER SUPPLY** | Supply Box including digital hour counter, faulty lamp alarm. | | | | Control Board for multiple lamps including digital hour counter, faulty lamp alarm, contact for BMS connection, LED synoptic. | |
| **POWER SUPPLY PROTECTION RATING** | IP 20 | | | | IP 55 | |
| **ELECTRICAL CONNECTION** | a.Cable connecting Device to Supply Box lenght 1.50 m; b.Supply Box cable (3x1 mm²), lenght 1.5 m with SHUKO Plug | | | | a.Cable connecting Device to Control Board lenght 3 m b. Control Board cable (3x1 mm²), lenght 2 m, with SHUKO Plug | |

*** continuous operation**

## TROUBLE-FREE INTEGRATION AND INSTALLATION

- We provide the optimal point of integration for every product without requiring changes to your system.
- Mounting and powering the device can be done without complex requirements.
- Ongoing maintanance only takes a few minutes to replace lamps when necessary.

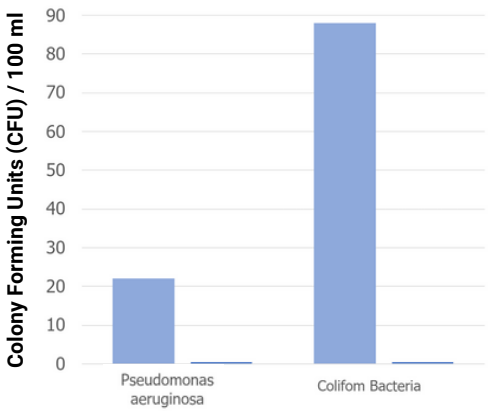
## TECHNICAL DRAWINGS

Every Light Progress Product is available in detailed DWG and STEP files for your design-in and specification clarity.

VIEW or DOWNLOAD now

CLICK HERE

## MICROBIAL TESTS AND EFFICACY




MOCA

ASTM INTERNATIONAL Standards Worldwide

PED certified 2014/68/EU

UL LISTED

Before UV

After UV

**Microbial reduction after UV treatment**

Light Progress customers rely on our extensive history of third party testing and proven efficacy to meet any level of disinfection validated against literally any virus or microorganism.

We understand your need to meet Regulatory Requirements and Industrial Standards as we help you achieve microbial load reduction using our UV systems.

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