

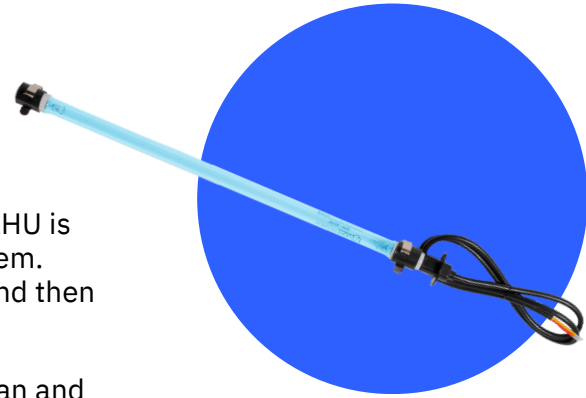


## SEAMLESS UV PROTECTION

For a carefree set up of a UV system, the easiest way is to use a **360° disinfection device, with glass fall protection**, separated power supply and an adjustable mounting kit. That's UV FCU-CL.

The most convenient method for applying UV-C light inside the AHU is by **using this mounting kit and the clips provided** with the system. This allows you to easily install the lamp onto the mounting kit and then connect it to the ballast via the quadri-pin plug.

Another perfect spot to apply UV-FCU-CL is the space between fan and **heat/cooling battery in FAN COIL UNITS**. The installation is easy, you can also apply it on fan already installed and working (retrofit on existing systems).



## KEY PRODUCT FEATURES

- **Simple, basic, low-cost** system for AHUs, applicable also inside compact FAN COIL units.
- **Increased Disinfection Performance**, with High-Output UV-C lamps (253,7 nm).
- **360° irradiation**, easy clips to install the lamps included.
- **Protected**, with UVLON™ always included to avoid glass falling and protect against temperature fluctuations.
- **Connect to the power supply**, 3 different ballast choices to adapt to your installation and monitoring needs.
- **Choose your installation layout**, mounting kits available, to adapt to all sizes and different kind of surface/coil treatment.



HEALTHCARE



HVAC



PROCESS  
INDUSTRY



HOSPITALITY



SHARED  
SPACES



PUBLIC  
VENUES



WELLNESS  
CENTRES



TRANSPORT

| TECHNICAL TABLE                       | UV-FCU-CL<br>16-P   | UV-FCU-CL<br>25-P    | UV-FCU-CL<br>40H-P   | UV-FCU-CL<br>60H-P   | UV-FCU-CL<br>90H-P   | UV-FCU-CL<br>120H-P   | UV-FCU-CL<br>150H-P   |
|---------------------------------------|---|----------------------|----------------------|----------------------|----------------------|-----------------------|-----------------------|
| REPLACEMENT LAMP                      | GH3-16W-P-FC  | GH5-25W-P-FC         | GH4-40WH-P-FC        | GH6-60WH-P-FC        | GH9-90WH-P-FC        | GH11-120WH-P-FC       | GH15-155WH-P-FC       |
| POWER CONSUMPTION                     | 16W   | 25W                  | 40W                  | 60W                  | 90W                  | 120W                  | 150W                  |
| LAMP SIZE<br>(length inside the duct) | mm 318<br>(in 12.52)  | mm 546<br>(in 21.49) | mm 452<br>(in 17.79) | mm 600<br>(in 23.62) | mm 910<br>(in 35.82) | mm 1191<br>(in 46.89) | mm 1554<br>(in 61)    |
| INTERAXIS<br>BETWEEN CLIPS            | mm 293<br>(in 11.53)  | mm 521<br>(in 20.51) | mm 426<br>(in 16.77) | mm 574<br>(in 22.59) | mm 884<br>(in 34.80) | mm 1165<br>(in 45.86) | mm 1528<br>(in 60.15) |
| WEIGHT                                | kg 0,20<br>(lb 0.44)  | kg 0,30<br>(lb 0.66) | kg 0,70<br>(lb 1.54) | kg 0,30<br>(lb 0.66) | kg 0,70<br>(lb 1.54) | kg 0,80<br>(lb 1.76)  | kg 0,90<br>(lb 1.98)  |
| FOR ALL MODELS                        |   |                      |                      |                      |                      |                       |                       |
| LAMP LIFE (hours)*                    | ≤ 18.000  |                      |                      |                      |                      |                       |                       |
| PROTECTION RATING                     | IP 44   |                      |                      |                      |                      |                       |                       |
| OP. TEMPERATURE**                     | MIN. -15°C ÷ MAX. +40°C   (MIN. 5.0°F ÷ MAX. +104.0°F)  |                      |                      |                      |                      |                       |                       |
| OP. RELATIVE HUMIDITY**               | From 20 to max. 90%   |                      |                      |                      |                      |                       |                       |
| VAC   FREQUENCY                       | 230V or 110-277V   50/60 Hz   |                      |                      |                      |                      |                       |                       |
| POWER SUPPLY                          | 2 Options available, including Control Board for the management of multiple lamps, with power supply, access security, hour counter, UV lamp fault control and LED synoptic |                      |                      |                      |                      |                       |                       |
| ELECTRICAL CONNECTION                 | Lamp-side cable (4x1mm²) length 1m, with quadripin.   |                      |                      |                      |                      |                       |                       |

\* Continuous operation

\*\* Outside of these ranges, performance may not be optimal

## 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 maintenance only takes a few minutes to replace lamps when necessary.

## SOFTWARE ENGINEERED DISINFECTION

From our in-depth know-how on the subject and with our proprietary dosage calculation software we can simulate device performance and validate effectiveness in every application.

Calculation Software



## TECHNICAL DRAWINGS

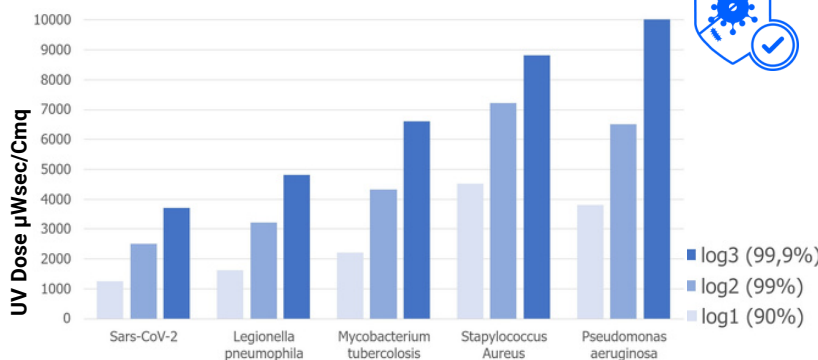
Every Light Progress Product is available in detailed DWG and STEP files for your design-in and specification clarity.

VIEW or DOWNLOAD now



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## MICROBIAL TESTS AND EFFICACY



**Up-to log3 microbial reduction on Airflow, Coils and HVAC surfaces, 24 hours a day.**

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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## POWER SUPPLY OPTIONS AND CONTROL BOARDS



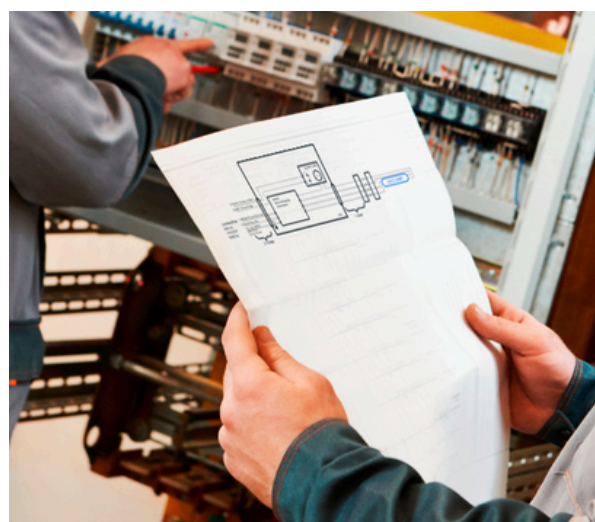
|                  |  | CONTROL BOARD  | SUPPLY BOX "Ba"                       |
|------------------|--|--|---------------------------------------|
| UV SERIES        | UV-FCU-CL,<br>UV-STYLO-X,S<br>UV-STYLO-NX,F,E          | YES  | YES                                   |
| POWER SUPPLY     | One Ballast each lamp                                  | YES  | YES                                   |
| LAMP DIAGNOSTIC  | LED signal (5V)  | -  | -                                     |
| LAMP DIAGNOSTIC  | LED signal and<br>Output signal to BMS                 | YES  | YES                                   |
| LAMP REPLACEMENT | LED signal and<br>Output signal to BMS                 | YES  | -                                     |
| POWER SWITCH     | Low voltage input contact from BMS or<br>Safety System | YES  | -                                     |
| HOUR COUNTER     | Digital display with Lamp Replacement<br>LED signal    | YES  | -                                     |
| SYNOPTIC VIEW    | Synoptic LED Schema                                    | YES  | -                                     |
| MULTI DEVICE     | Management of more than one device                     | YES  | -                                     |
| PROTECTION       | IP rating  | Up to 4 devices: IP66/67<br>Up to 8/12 devices: IP45 | for FCU-CL: IP44<br>for STYLO-#: IP55 |

## LAMP DIAGNOSTIC AND SYSTEM MANAGEMENT

**Timely detection of lamp malfunctions, for prompt maintenance and minimizing downtime.**

The **Supply Box "Ba"** power supply, is equipped with an alarm board that provides an output signal if the UVC lamp encounters any operational issues. This diagnostic output signal is a dry contact that **can be connected to an existing control panel and BMS.**

The **Control Board** allows the management of multiple UVC devices in a single unit, with UVC lamp diagnostic output signals if the UVC lamps encounters any operational issue or its lifetime is expired. It also includes a safety switch to turn on/off the system remotely. The diagnostic output signals and the safety switch **can be connected to an existing control panel and BMS.**



These comprehensive systems ensures **efficient operation, timely maintenance, and enhanced safety**, making it an invaluable tool for managing UVC lamp functionality.

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## MASTER-STY



TABLE - Tabella

|                   |                     | MASTER-STY-S -4/nn-P<br>(up to 4 devices /<br>fino a 4 apparecchi)   | MASTER-STY-S -8/nn-P<br>(up to 8 devices /<br>fino a 8 apparecchi) | MASTER-STY-S -12/nn-P<br>(up to 12 devices /<br>fino a 12 apparecchi) |
|-------------------|---------------------|--|--|---|
| DIMENSION         | DIMENSIONI          | 410X300X180  | 610X400X230  | 740X530X255   |
| MATERIAL*         | MATERIALE*          | ABS Enclosure with Transparent Polycarbonate Lid<br>cassetta in ABS coperchio in polycarbonato trasparente |  |   |
| WEIGHT            | PESO                | max 9 Kg   | max 13.5 Kg  | max 23 Kg   |
| PROTECTION RATING | GRADO DI PROTEZIONE | IP 66/67   | IP 45  |   |

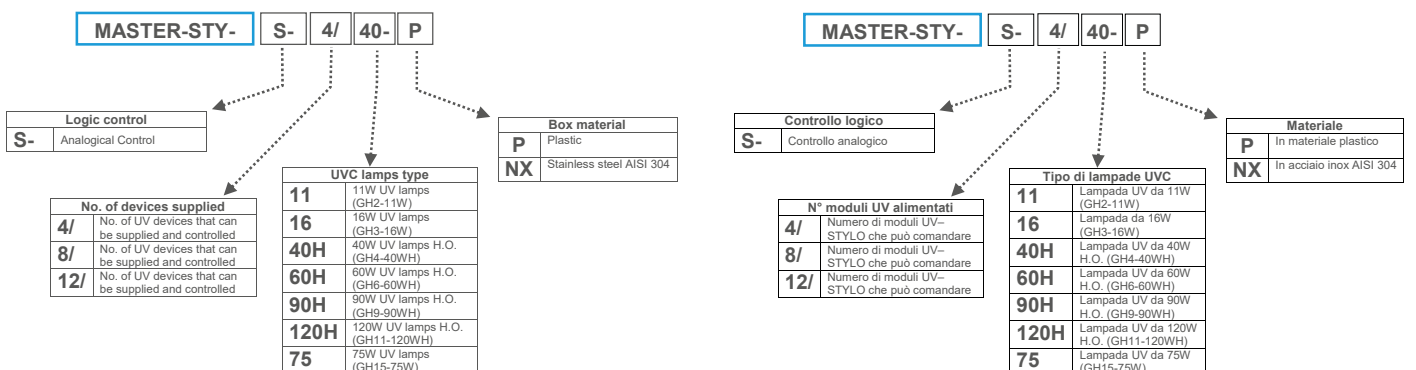
\*on request/su richiesta S.S. 304 / Acciao AISI 304

|                  | UV SERIES<br>SERIE UV | SWITCHING ON<br>ACCENSIONE | SYNOPTIC WITH FAULTY<br>ALARM LAMP<br>SINOTTICO CON<br>ALLARME LAMPADA<br>GUASTA<br>1. | SAFETY<br>SICUREZZA | HOURLY COUNTER<br>CONTAORE | SYNOPTIC<br>SINOTTICO                  |
|------------------|-----------------------|----------------------------|--|---------------------|----------------------------|--|
|                  |                       |                            | 2.   | 3.                  | 4.                         |  |
| MASTER-STY-S (*) | UV-STYLO              | Manual<br>Manuale          | Yes<br>SI  | Yes<br>SI           | Yes<br>SI                  | Yes, customized<br>SI , personalizzato |

\*Power supplies lamp included in the control board / Alimentatori lampade inclusi nelle master

|  |   |  |
|--|---|--|
| 1. FAULTY ALARM LAMP /<br>ALLARME LAMPADA GUASTA | Faulty alarm lamp                               | Controllo lampada guasta                                     |
| 2. SAFETY / SICUREZZA                            | Access safety block                             | Gestione della sicurezza accesso UV-C (carter di protezione) |
| 3. HOURLY COUNTER /<br>CONTAORE                  | Digital hour counter with exhausted lamps alarm | Digitale con allarme esaurimento lampade                     |
| 4. SYNOPTIC / SINOTTICO                          | Synoptic LED schema                             | Rappresentazione grafica della disposizione lampade          |

## CODES - Codifica



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