

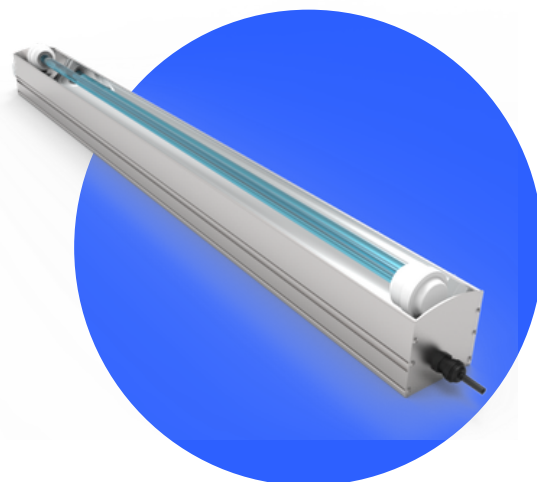


## POWER UP DISINFECTION, EVERYWHERE.

UV-STICK-AL supports **deep surface disinfection in any type of environment.**

**In just a few minutes** of operation, UV-STICK-AL fixtures can create **high levels of disinfection** otherwise achieved with hazardous, harmful, and expensive chemicals.

The UV-STICK-AL should be used **in the absence of people** and can be easily integrated into building controls and scheduled routines.



## KEY PRODUCT FEATURES

- **One for All**, these single-lamp modules can fit easily in many different environments and include integrated power supplies. Connect and disinfect.
- **Increased Disinfection Performance**, with High-Output UV-C lamps (253,7 nm), **ozone-free** and **internal mirror bright aluminum PARABOLIC reflector**.
- **Built to last**, with high-quality material tested to resist UV.
- Protected, **IP55 Rated** and **UVLON™ shatterproof protective sleeve** always included to prevent the release of glass fragments in the event of accidental lamp breakage.
- **Combine and Connect**, more devices to build your disinfection solution.
- **Advanced Management**, with optional control board available for multiple lamp fixtures.



HEALTHCARE



HVAC



PROCESS  
INDUSTRY



HOSPITALITY



SHARED  
SPACES



PUBLIC  
VENUES



WELLNESS  
CENTRES



TRANSPORT



| TECHNICAL TABLE         | UV-STICK-40H-AL                                                                                     | UV-STICK-60H-AL                                 | UV-STICK-90H-AL                             | UV-STICK-120H-AL                             | UV-STICK-150H-AL                             |
|-------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------|----------------------------------------------|----------------------------------------------|
| REPLACEMENT LAMP        | n°1 CHS-40WHF-P                                                                                     | n°1 CHS-60WH-P                                  | n°1 CHS-90WHF-P                             | CHS-120WH-P                                  | CHS-150WH-P                                  |
| POWER CONSUMPTION       | 40W                                                                                                 | 60W                                             | 90W                                         | 120W                                         | 150W                                         |
| DIMENSIONS (WxHxD)      | mm 508 x 80 x 90<br>(in 20 x 3 1/8 x 3 1/2)                                                         | mm 671 x 80 x 90<br>(in 26 3/8 x 3 1/8 x 3 1/2) | mm 965 x 80 x 90<br>(in 38 x 3 1/8 x 3 1/2) | mm 1246 x 80 x 90<br>(in 49 x 3 1/8 x 3 1/2) | mm 1625 x 80 x 90<br>(in 64 x 3 1/8 x 3 1/2) |
| WEIGHT                  | kg 1,4<br>(lb 3)                                                                                    | kg 1,7<br>(lb 4)                                | kg 2,2<br>(lb 5)                            | kg 2,7<br>(lb 6)                             | kg 3,4<br>(lb 7)                             |
| TREATED VOLUME          | m³ 20 ÷ 40<br>(ft³ 706.29 ÷ 1412.59)                                                                | m³ 30 ÷ 50<br>(ft³ 1059.44 ÷ 1765.73)           | m³ 40 ÷ 65<br>(ft³ 1412.59 ÷ 2295.45)       | m³ 50 ÷ 80<br>(ft³ 1765.73 ÷ 2825.17)        | m³ 60 ÷ 100<br>(ft³ 2118.88 ÷ 3531.46)       |
| TREATED SURFACE         | m² 7 ÷ 13<br>(ft² 75.34 ÷ 139.93)                                                                   | m² 10 ÷ 17<br>(ft² 107.64 ÷ 182.99)             | m² 14 ÷ 25<br>(ft² 150.69 ÷ 269.10)         | m² 17 ÷ 27<br>(ft² 182.99 ÷ 290.63)          | m² 20 ÷ 38<br>(ft² 215.28 ÷ 409.03)          |
| FOR ALL MODELS          |                                                                                                     |                                                 |                                             |                                              |                                              |
| LAMP LIFE (hours)*      | ≤ 18.000                                                                                            |                                                 |                                             |                                              |                                              |
| PROTECTION RATING       | IP 55                                                                                               |                                                 |                                             |                                              |                                              |
| OP. TEMPERATURE**       | MIN. -15°C ÷ MAX. +40°C   (MIN. 5.0°F ÷ MAX. +104.0°F)                                              |                                                 |                                             |                                              |                                              |
| OP. RELATIVE HUMIDITY** | From 20 to max. 90%                                                                                 |                                                 |                                             |                                              |                                              |
| V AC   FREQUENCY        | 110-277V   50/60 Hz                                                                                 |                                                 |                                             |                                              |                                              |
| POWER SUPPLY            | On-board power supply always included. Optional Control Board for the management of multiple lamps. |                                                 |                                             |                                              |                                              |
| ELECTRICAL CONNECTION   | Power supply cable 3x1mm², 2,5m length                                                              |                                                 |                                             |                                              |                                              |

\* Useful life can be substantially reduced by several environmental or technical factors

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

## TROUBLE-FREE INTEGRATION AND INSTALLATION

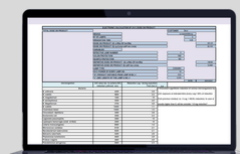


- We provide the optimal point of integration for every product without requiring changes to your system.
- Mounting and powering the device can be done without complex requirements.
- Ongoing maintenance only takes a few minutes to replace lamps when necessary.

## 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

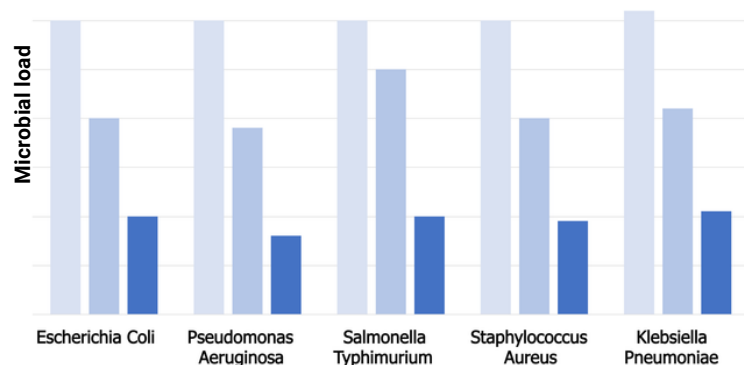
Every Light Progress Product is available in detailed DWG and STEP files for your design-in and specification clarity.

VIEW or DOWNLOAD now



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HERE

## MICROBIAL TESTS AND EFFICACY



**Up-to log6 microbial reduction with a 10 minutes treatment, at 3.5 mt from target Surface**

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.

**Light Progress Group SRL**  
Anghiari (AR)  
ITALIA  
P: (+39) 0575 749255  
E: info@lightprogress.it  
W: www.lightprogress.it

**Light Progress GmbH**  
Aschaffenburg (BY)  
DEUTSCHLAND  
P: +49 176 761 42327  
E: info@lightprogress.de  
W: www.lightprogress.de

**Light Progress LLC**  
Dallas, (TX)  
USA  
P: (+1) 833-882-4255  
E: americas@lightprogress.us  
W: www.lightprogress.us

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## POWER SUPPLY OPTIONS FOR PROFESSIONAL SYSTEMS

Lamp monitoring, connectivity and flexibility for customized applications.

### OPTIONAL CONTROL BOARD “MASTER 16A” MULTI-LAMP MONITORING UNIT

The **Control Board MASTER 16-A** is a simple and accessible **control unit for managing multiple UV-C devices** in a single system.

- **Multiple device solution:** dedicated monitoring for up to 16 A.
- **Faulty lamp alarm:** LED indicator.
- **Exhaust lamp alarm:** LED indicator, with hour counter and digital display.
- **IP20 protected:** protected against solid objects larger than 12 mm.
- **Manual/Programmable operation:** manual or scheduled ON/OFF of connected devices.



### OPTIONAL CONTROL BOARD «MASTER-ST-n-A» COMPLETE MULTI-LAMP MANAGEMENT SYSTEM

The **Control Board “Master”** is an advanced control and monitoring unit designed for **multi-lamp UV-C systems**, providing a **digital display, operating hour counter** with **exhaust lamp alarm** and synoptic layout.

- **Multiple device solution:** dedicated monitoring for up to 35 UV devices.
- **Faulty lamp alarm:** LED indicator and dry contact output to connect to existing control panels and BMS.
- **Safety switch:** low voltage input from existing control panels and BMS, switches off UV lamps when needed.
- **IP66/67 protected:** complete dust protection and powerful water jets.
- **Exhaust lamp alarm:** with hour counter, digital display, and dry contact output to connect to existing control panels and BMS.
- **Synoptic layout:** to monitor the status of each connected UV-C lamp.
- **Manual/Programmable operation:** manual or scheduled ON/OFF of connected devices.



|                                                   |                                                                                   |                                                                                    |                          |
|---------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|
| OPTIONAL CONTROL BOARDS                           |  |  |                          |
|                                                   | CONTROL BOARD<br>«MASTER-16-A»                                                    | CONTROL BOARD<br>«MASTER-ST-n-A»                                                   |                          |
| MAIN FEATURES                                     |                                                                                   |                                                                                    |                          |
| MODEL                                             | MASTER-16-A                                                                       | MASTER-ST-10-A                                                                     | MASTER-ST-35-A           |
| COMPATIBLE UVC DEVICE (W)                         | from 40 to 120                                                                    | from 40 to 120                                                                     | from 40 to 120           |
| CONTROL OF MULTIPLE DEVICES                       | up to 16 A                                                                        | up to 10 devices                                                                   | up to 35 devices         |
| PROGRAMMABLE ON / OFF                             | ✓ Daily ON/OFF scheduling                                                         | ✓ Daily ON/OFF scheduling                                                          |                          |
| FAULTY LAMP ALARM                                 | ✓ LED indicator                                                                   | ✓ LED indicator<br>✓ Dry contact output * (up to 230V, 1A)                         |                          |
| EXHAUST LAMP ALARM                                | ✓ LED indicator                                                                   | ✓ LED indicator<br>✓ Dry contact output * (up to 230V, 1A)                         |                          |
| LAMP LIFE HOUR COUNTER                            | ✓ Digital Display                                                                 | ✓ Digital Display                                                                  |                          |
| SAFETY INPUT<br>contact from BMS or Safety System | ✓ Low voltage input                                                               | ✓ Low voltage input                                                                |                          |
| SYNOPTIC SCHEME                                   | -                                                                                 | ✓ LED indicator                                                                    |                          |
| POWER CABLE<br>connection to the mains            | Three-core cable 2P+E (not included)                                              | Three-core cable 2P+E (not included)                                               |                          |
| CONNECTION PLUG<br>on lamp side                   | -                                                                                 | -                                                                                  |                          |
| INSTALLATION<br>Mounting options                  | Screws (not included)                                                             | Screws (not included)                                                              |                          |
| TECHNICAL FEATURES                                |                                                                                   |                                                                                    |                          |
| MODEL                                             | MASTER-16-A                                                                       | MASTER-ST-10-A                                                                     | MASTER-ST-35-A           |
| ELECTRONIC CONTROL GEARS ON BOARD                 | -                                                                                 | -                                                                                  |                          |
| DIMENSIONS (mm)<br>(W x H x D)                    | 410x300x180                                                                       | 410x300x180                                                                        | 610x400x230              |
| DIMENSIONS (in)<br>(W x H x D)                    | 16 1/8'<br>x 11 3/4"<br>x 7 1/8"                                                  | 16 1/8'<br>x 11 3/4"<br>x 7 1/8"                                                   | 24'<br>x 15 3/4"<br>x 9" |
| HOUSING MATERIAL                                  | ABS                                                                               | ABS with transparent cover                                                         |                          |
| OPERATING TEMPERATURE**                           | min. -15°C<br>÷ max. +40°C<br><br>(min. 5.0°F<br>÷ max. +104.0°F)                 | min. -15°C<br>÷ max. +40°C<br><br>(min. 5.0°F<br>÷ max. +104.0°F)                  |                          |
| PROTECTION                                        | IP20                                                                              | IP66/67                                                                            |                          |
| V AC   FREQUENCY                                  | 230V   50/60 Hz<br>110V   50/60 Hz ***                                            | 230V   50/60 Hz<br>110V   50/60 Hz ***                                             |                          |

\* Dry contact output to be externally powered - to activate an external diagnostic system (BMS, MMS, SCADA, DCS, PLC)

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

\*\*\* 230V and 110V versions available. Specify the model when ordering the 110V version by adding the “-US” suffix to the Model Code. No suffix is required for the 230V version.