

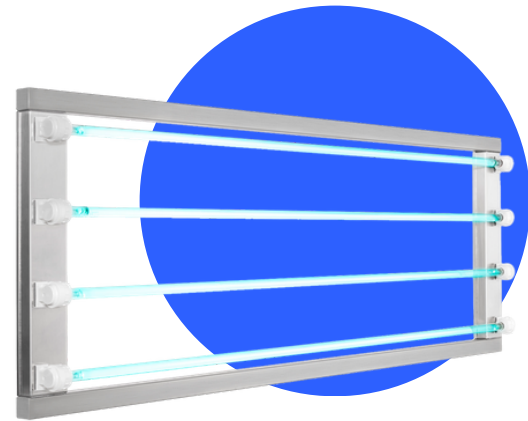


## SIZED TO INSTANT DISINFECTION

A grid of UVC lamps is the key to **treat the entire air flow and enhance filter performances**, UV DUCT-SQ is the perfect device to achieve a total and uniform air disinfection.

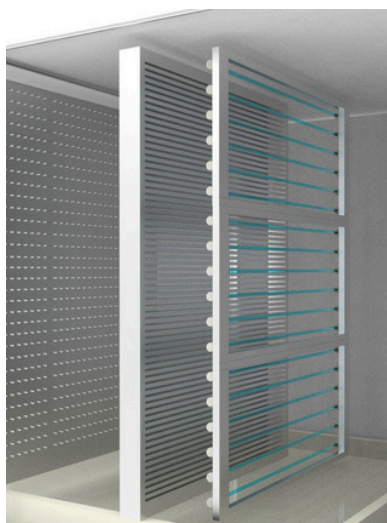
UV-DUCT-SQ has been designed to adapt to different sizes and ducts sections, placing one device to cover the surface or matching more devices together side-by-side, one on the other (overlapping), in series, etc. **using scroll-in “U” profile, like filters or its original mounting kit with adjustable sizes.**

**UL-certified version available.**



## KEY PRODUCT FEATURES

- **Built to perform in any condition**, simplified installation thanks to the mounting kit and “U”-profile;
- **Equally spaced lamps**, to treat homogeneously the airflow, when the duct section is covered;
- **Increased Disinfection Performance**, with High-Output UV-C lamps (253,7 nm), capable of treating large volumes of air;
- **Built to Last**, in high-quality Stainless Steel AISI 304, all material tested for UV resistance;
- **Protected**, resistant to dust and splashes with an IP55 Rating;
- **Integrate and Monitor**, your operation with visual lamp failure alarm signals, hour counter, and lamp replacement alert.



HEALTHCARE



HVAC



PROCESS  
INDUSTRY



HOSPITALITY



SHARED  
SPACES



PUBLIC  
VENUES



WELLNESS  
CENTRES



TRANSPORT

TECHNICAL TABLE	UV-DUCT-SQ-4/40H	UV-DUCT-SQ-4/90H	UV-DUCT-SQ-4/120H	UV-DUCT-SQ-6/40H	UV-DUCT-SQ-6/90H	UV-DUCT-SQ-6/120H
REPLACEMENT LAMP	N°4 CHS-40WHF-P	N°4 CHS-90WHF-P	N°4 CHS-120WH-P	N°6 CHS-40WHF-P	N°6 CHS-90WHF-P	N°6 CHS-120WH-P
POWER CONSUMPTION	160W	360W	480W	240W	540W	720W
DIMENSIONS (WxHxD)	mm 496x450x90 (in 19.52x17.71x3.54)	mm 953x450x90 (in 37.52x17.71x3.54)	mm 1234 x 450 x 90 (in 48.58x17.71x3.54)	mm 496x 600x90 (in 19.52x23.62x3.54)	mm 953x600x90 (in 37.52x23.62x3.54)	mm 1234x600x90 (in 48.58x23.62x3.54)
WEIGHT	kg 5 lb 11.02	kg 5,50 lb 12.12	kg 6 lb 13.22	kg 6 lb 13.22	kg 6,50 lb 14.33	kg 7,00 lb 15.43
<b>FOR ALL MODELS</b>						
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%					
VAC   FREQUENCY	230V or 110-277V   50/60 Hz					
POWER SUPPLY OPTION 1.	SUPPLY BOX with: power supply, lamp life hour counter, Led synoptic					
POWER SUPPLY OPTION 2.	Control Board for the management of multiple lamps with: access security, hour counter, UV lamp fault control and LED synoptic.					
ELECTRICAL CONNECTION	Power Supply Cable to be purchased separately m 3 (in.9' 10 ½) or m 10 (32' 9 ¾), IP67					

\* 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

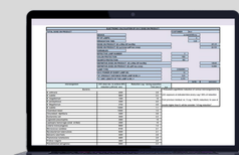


- We provide the optimal point of integration for every product without requiring changes to your system.
- Mounting and powering the device can be done without complex requirements.
- Ongoing maintenance only takes a few minutes to replace lamps when necessary.

## 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



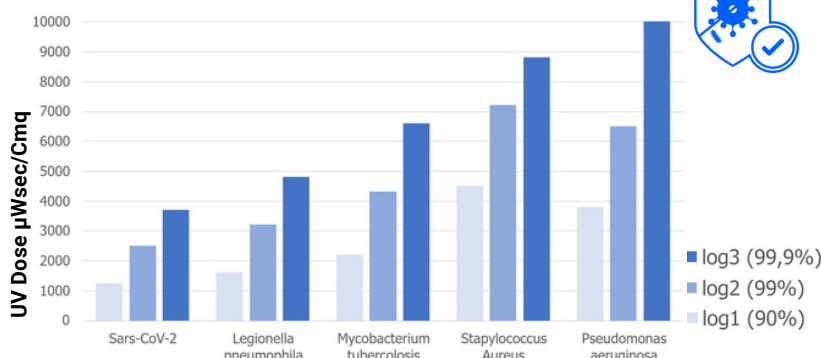
## TECHNICAL DRAWINGS

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

VIEW or DOWNLOAD now



## 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 FOR PROFESSIONAL SYSTEMS

Lamp monitoring, connectivity and flexibility for customized applications.



### MULTIPOLAR CABLES WITH SOCKET (IP67)

**Always needed to connect the UV-C module to the Power Supplies.**

Model “-4M” suitable for UV devices with 4 lamps.

Model “-6M” suitable for UV devices with 6 lamps.

Both models available in 2 different lengths: 3 meters or 10 meters.

### POWER SUPPLY OPTION 1. SUPPLY BOX “SB-SQ” MULTI-LAMP POWER AND MONITORING UNIT

The **Supply Box SB-SQ** is a simple and accessible **control and power supply unit for managing multiple UV-C devices** in a single system with centralized, reliable power distribution.

- **Multiple device solution:** dedicated power supply and monitoring for up to 6 UV-C lamps
- **Faulty lamp alarm:** LED indicator on synoptic scheme
- **Exhaust lamp alarm:** with hour counter and digital display
- **IP45 protected:** against water jets from any direction
- Easy connection: multipolar cable with **pre-assembled terminal**, ready to plug into the power supply box



SB-SQ UL-certified version available





### POWER SUPPLY OPTION 2. CONTROL BOARD “MASTER-SM” 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 power supply and monitoring for up to 6 UV-C lamps
- **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




<b>TECHNICAL TABLE</b>							
	<b>SUPPLY BOX "SB-SQ"</b>		<b>CONTROL BOARD "MASTER-SM"</b>				
<b>MAIN FEATURES</b>							
<b>MODEL</b>	<b>4X-BE-DUV</b>	<b>6X-BE-DUV</b>	<b>SM-4</b>	<b>SM-6</b>	<b>SM-8</b>	<b>SM-10</b>	<b>SM-12</b>
<b>CONTROL OF MULTIPLE DEVICES</b>	1x DUCT-SQ-4/n	1x DUCT-SQ-6/n	1x DUCT-SQ-4/n	1x DUCT-SQ-6/n	2x DUCT-SQ-4/n	1x DUCT-SQ-4/n and 1x DUCT-SQ-6/n	2x DUCT-SQ-6/n or 4x DUCT-SQ-4/n
<b>FAULTY LAMP ALARM</b>	LED indicator		LED indicator Dry contact output * (up to 230V, 1A)				
<b>EXHAUST LAMP ALARM</b>	LED indicator		LED indicator Dry contact output * (up to 230V, 1A)				
<b>LAMP LIFE HOUR COUNTER</b>	Digital Display		Digital Display				
<b>SAFETY INPUT</b> contact from BMS or Safety System	-		Low voltage input				
<b>SYNOPTIC SCHEME</b>	LED indicator		LED indicator				
<b>TECHNICAL FEATURES</b>							
<b>MODEL</b>	<b>4X</b>	<b>6X</b>	<b>SM-4</b>	<b>SM-6</b>	<b>SM-8</b>	<b>SM-10</b>	<b>SM-12</b>
<b>DIMENSIONS (mm)</b> (W x H x D)	314x410x128		410x300x180	610x400x230		740x530x255	
<b>DIMENSIONS (in)</b> (W x H x D)	12 3/8" x 16 1/8" x 5"		16 1/8" x 11 3/4" x 7 1/8"	24" x 15 3/4" x 9"		29 1/8" x 20 7/8" x 10"	
<b>HOUSING MATERIAL</b>	ABS		ABS with transparent cover				
<b>OPERATING TEMPERATURE**</b>	min. -15°C ÷ max. +40°C  (min. 5.0°F ÷ max. +104.0°F)		min. -15°C ÷ max. +40°C  (min. 5.0°F ÷ max. +104.0°F)				
<b>PROTECTION</b>	IP 45		IP 66/67				
<b>V AC   FREQUENCY</b>	230V 50/60 Hz or 110V 50/60Hz		230V 50/60 Hz or 110V 50/60Hz				

\* 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

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