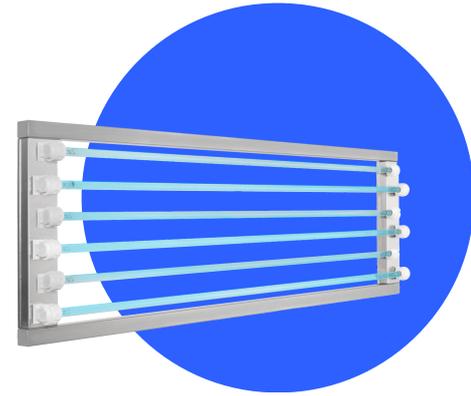




## SAFE KITCHENS AND COMFORTABLE DINING

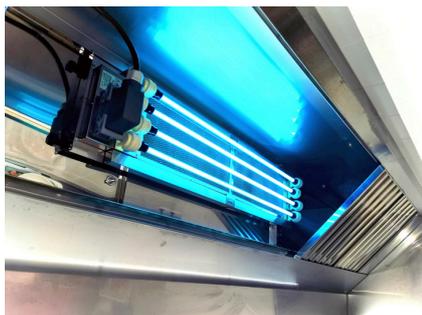
In Kitchen ventilation systems, UV-SMELL-SQ **reduces the need for cleaning and maintenance, extends filters' life**, and, more importantly, offers the possibility to **work safely**.

From 1.000 mc/h to 4.800 mc/h, is the first device in the market that **can handle UV-C+O3 (Ozone) or UV-C Ozone-Free lamps**.



## KEY PRODUCT FEATURES

- **Fit Anywhere**, modules with UV lamps in series, compact form factor, many sizes and wattages available.
- **Increased Disinfection Performance**, with High-Output UV-C lamps (253,7 nm) or Ozone lamps.
- **Built to last**, with high-quality Stainless Steel AISI 304, high temperatures resistance (up to 50 °C), as well as endurance to fats and oils.
- **Protected and Safe**, IP55 Rating and optional differential pressure switch for aspiration control for automatic switch OFF (PRESS-205A).
- **Optimized Efficacy with TiOx<sup>®</sup> filter**, (Titanium Dioxide - TiO<sub>2</sub>), an excellent photo-catalyst that degrades pollutants, organic compounds and inorganic compounds (SOV, NO<sub>x</sub> and VOC volatile organic compounds, nitrogen oxides)
- **Monitor your operation** with Alarm signals.
- Optional control board available for **advanced management** of multiple devices.



HEALTHCARE



HVAC



PROCESS  
INDUSTRY



HOSPITALITY



SHARED  
SPACES



PUBLIC  
VENUS



WELLNESS  
CENTERS



TRANSPORT

TECHNICAL TABLE	UV-SMELL-SQ-4/40H-(TX)	UV-SMELL-SQ-4/90H-(TX)	UV-SMELL-SQ-4/120H-(TX)	UV-SMELL-SQ-6/40H-(TX)	UV-SMELL-SQ-6/90H-(TX)	UV-SMELL-SQ-6/120H-(TX)
REPLACEMENT LAMP	N° 4 CHS-40WHF	N° 4 CHS-90WHF	N° 4 CHS-120WH	N° 6 CHS-40WHF	N° 6 CHS-90WHF	N° 6 CHS-120WH
-OZONE COD. DEVICES	UV-SMELL-SQ-4/40H-Oz-(TX)	UV-SMELL-SQ-4/90H-Oz-(TX)	UV-SMELL-SQ-4/120H-Oz-(TX)	UV-SMELL-SQ-6/40H-Oz-(TX)	UV-SMELL-SQ-6/90H-Oz-(TX)	UV-SMELL-SQ-6/120H-Oz-(TX)
-OZONE REPLACEMENT LAMP	N° 4 CHS-40WH-Oz	N° 4 CHS-90WH-Oz	N° 4 CHS-120WH-Oz	N° 6 CHS-40WH-Oz	N° 6 CHS-90WH-Oz	N° 6 CHS-120WH-Oz
POWER CONSUMPTION	40x4 = 160W	90x4 = 360W	120x4 = 480W	40x6 = 240W	90x6 = 540W	120x6 = 720W
DIMENSIONS (WxHxD)	mm 594 x 253 x 140 (in 23.38 x 9.96 x 5.51)	mm 1052 x 253 x 140 (in 41.41 x 9.96 x 5.51)	mm 1332 x 253 x 140 (in 52 x 9.96 x 5.51)	mm 594 x 358 x 140 (in 23 x 14.09 x 5.51)	mm 1052 x 358 x 140 (in 41 x 14.09 x 5.51)	mm 1332 x 358 x 140 (in 52 x 14.09 x 5.51)
WEIGHT	kg 5,00 (lb 11.02)	kg 5,50 (lb 12.13)	kg 6,00 (lb 13.23)	kg 6,00 (lb 13.23)	kg 6,50 (lb 14.33)	kg 7,00 (lb 15.43)
COD. REPLACEMENT TIOX® FILTER -TX **	TX-SM-4/40	TX-SM-4/90	TX-SM-4/120	TX-SM-6/40	TX-SM-6/90	TX-SM-6/120
WEIGHT for devices with -(TX)	kg 5,50 (lb 12.13)	kg 6,00 (lb 13.23)	kg 6,00 (lb 13.23)	kg 6,50 (lb 14.33)	kg 7,00 (lb 15.43)	kg 7,50 (lb 16.43)
AIR FLOW RATE ***	m³/h 1.000 (CFM 588.58)	m³/h 2.400 (CFM 1,412.59)	m³/h 3200 (CFM 1,883.45)	m³/h 1.600 (CFM 941,72)	m³/h 3.600 (CFM 2,118.88)	m³/h 4.800 (CFM 2,825.17)

FOR ALL MODELS

LAMP LIFE (hours)*	≤ 18.000
-OZONE LAMP LIFE (hours)*	≤ 12.000
PROTECTION RATING	IP55
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 1/8) or m 10 (32' 9 3/4), IP67

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

\*\* Must be replaced once a year

\*\*\* At 2,5 m/s (or 492 fpm) air speed

\*\*\*\* 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.

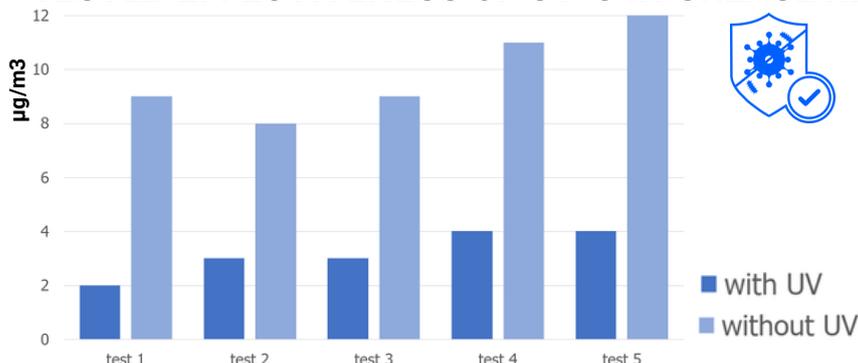
VIEW or DOWNLOAD now



## TECHNICAL DRAWINGS

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

## TESTED EFFECTIVENESS OF UV-C IN GREASE REDUCTION



Light Progress customers rely on our extensive history of third party testing and proven efficacy.

Samples were taken from a frying station to determine the amount of grease in the kitchen air.

The UV-C systems consistently reduced the amount of grease particles in each sample.

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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



### 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 SMELL-SQ-4/n	1x SMELL-SQ-6/n	1x SMELL-SQ-4/n	1x SMELL-SQ-6/n	2x SMELL-SQ-4/n	1x SMELL-SQ-4/n and 1x SMELL-SQ-6/n	2x SMELL-SQ-6/n or 4x SMELL-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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