



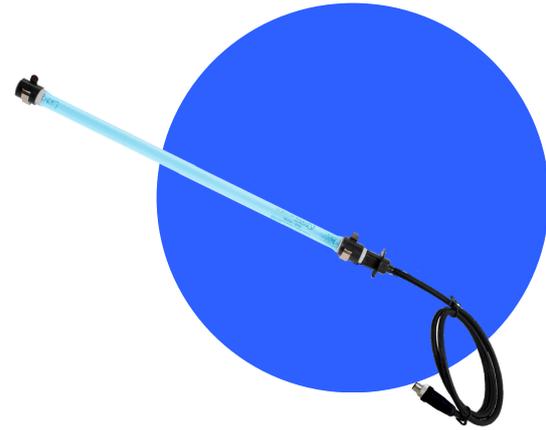
SEAMLESS UV PROTECTION

For a **carefree set up of a UV system**, the simplest solution is to use a 360° disinfection device.

UVLON™ “shatterproof” protection sleeve always included to prevent glass fragments from falling in the event of accidental lamp breakage and to protect the lamp from humidity and temperature fluctuations.

Separate **power supply available in different options**, along with an **adjustable mounting kit**.

This is UV FCU-CL.



KEY PRODUCT FEATURES

- **Simple, basic, low-cost** system for AHUs
- **Increased Disinfection Performance**, with High-Output UV-C lamps (253,7 nm).
- **360° irradiation**, easy clips to install the lamps included
- **Protected IP44**, with **UVLON™ shatterproof protective sleeve always included** to prevent the release of glass fragments in the event of accidental lamp breakage
- **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 16-P-C	UV-FCU-CL 25-P-C	UV-FCU-CL 40H-P-C	UV-FCU-CL 60H-P-C	UV-FCU-CL 90H-P-C	UV-FCU-CL 120H-P-C	UV-FCU-CL 150H-P-C
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 (length inside the duct)	mm 318 (in 12.52)	mm 546 (in 21.49)	mm 452 (in 17.79)	mm 600 (in 23.62)	mm 910 (in 35.82)	mm 1191 (in 46.89)	mm 1554 (in 61)
INTERAXIS BETWEEN CLIPS	mm 293 (in 11.53)	mm 521 (in 20.51)	mm 426 (in 16.77)	mm 574 (in 22.59)	mm 884 (in 34.80)	mm 1165 (in 45.86)	mm 1528 (in 60.15)
WEIGHT	kg 0,20 (lb 0.44)	kg 0,30 (lb 0.66)	kg 0,70 (lb 1.54)	kg 0,30 (lb 0.66)	kg 0,70 (lb 1.54)	kg 0,80 (lb 1.76)	kg 0,90 (lb 1.98)
FOR ALL MODELS							
LAMP LIFE (hours)*	max. 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%						
ELECTRICAL CONNECTION	Lamp-side cable (4x1 mm ²), length 1 m., with male connector M12.						

* 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



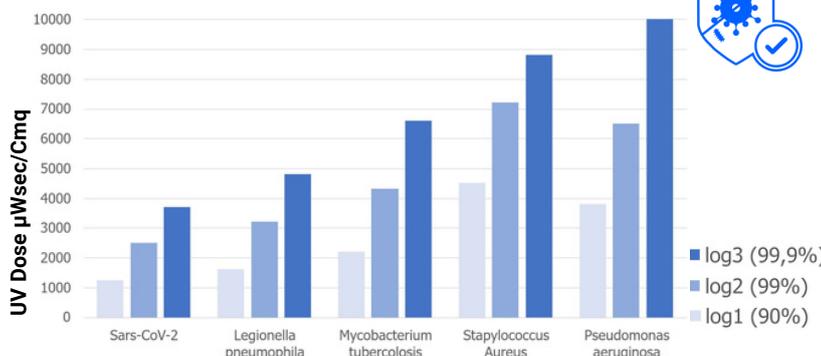
TECHNICAL DRAWINGS

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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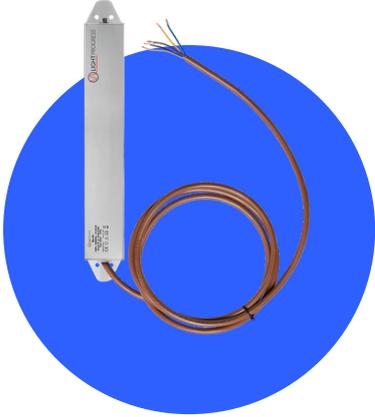
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POWER SUPPLY OPTIONS FOR PROFESSIONAL SYSTEMS

Lamp monitoring, connectivity and flexibility for customized applications.

SUPPLY BOX "BA" BASIC SINGLE LAMP SOLUTION



The **Supply Box "Ba"** is a **reliable and straightforward power supply unit** designed for individual UV-C lamp operation, featuring integrated alarm functionality for basic system monitoring.

- **Single device solution:** dedicated power supply and faulty lamp alarm for one UV-C lamp.
- **Faulty lamp alarm:** dry contact output to connect to existing control panels and BMS.
- **IP55 protected:** against dust ingress and water jets.
- **Easy connection:** M12-F connector on lamp-side.

SUPPLY BOX "SB-X" MULTI-LAMP POWER AND MONITORING UNIT

The **Supply Box SB-nX** 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:** 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.
- **IP67 (IK08) protected:** against dust, water and mechanical impacts.
- Easy connection: **M12-F connector** on lamp-side.



CONTROL BOARD "MASTER-STY" 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 12 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.
- **IP45 or IP66/67 protected:** against solid objects and water splashes, or complete dust protection and powerful water jets.
- Easy connection: **M12-F connector** on lamp-side.
- **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.

TECHNICAL TABLE								
	SUPPLY BOX "Ba"		SUPPLY BOX "SB-nX"			CONTROL BOARD "MASTER-STY-S"		
MAIN FEATURES								
MODEL	Ba40UL	Ba-150H-NI	SB-2X	SB-4X	SB-6X	-4/nn-P	-8/nn-P	-12/nn-P
COMPATIBLE UVC DEVICE (W)	11 ÷ 16	40÷150 HO	40÷150 HO	40÷150 HO	40÷150 HO	11 ÷ 16 40÷150 HO		
CONTROL OF MULTIPLE DEVICES	1 device		up to 2 devices	up to 4 devices	up to 6 devices	up to 4 devices	up to 8 devices	up to 12 devices
FAULTY LAMP ALARM	✓ Dry contact output * (up to 24 V, 500 mA)		✓ Dry contact output * (up to 30V, 500mA)			✓ LED indicator ✓ Dry contact output * (up to 230V, 1A)		
EXHAUST LAMP ALARM	-		✓ Optional LED indicator (-DUV) ✓ Optional Dry contact output * (up to 30V, 500mA) (-DUV)			✓ LED indicator ✓ Dry contact output * (up to 230V, 1A)		
LAMP LIFE HOUR COUNTER	-		✓ Optional Digital Display (-DUV)			✓ Digital Display		
SAFETY INPUT contact from BMS or Safety System	-		✓ Low voltage input			✓ Low voltage input		
SYNOPTIC SCHEME	-		-			✓ LED indicator		
POWER CABLE connection to the mains	2,5 m (5x1 mm ²) included		Three-core cable 2P+E (not included)			Three-core cable 2P+E (not included)		
CONNECTION PLUG on lamp side	M12-F	M12-F	M12-F	M12-F	M12-F	M12-F	M12-F	M12-F
INSTALLATION Mounting options	Screws (included) Optional magnetic supports (- STMG)		Screws (not included)			Screws (not included)		
TECHNICAL FEATURES								
MODEL	Ba40UL	Ba-150H-NI	SB-2X	SB-4X	SB-6X	-4/nn-P	-8/nn-P	-12/nn-P
ELECTRONIC CONTROL GEARS ON BOARD	1		2	4	6	up to 4	up to 8	up to 12
DIMENSIONS (mm) (W x H x D)	433x58x37		410x315x150			408x326x180	613x400x230	742x530x255
DIMENSIONS (in) (W x H x D)	17 " x 2 1/4" x 1 1/2"		16 1/8" x 12 3/8" x 5 7/8"			16 1/8" x 12 7/8" x 7 1/8"	24 1/8" x 15 3/4" x 9"	29 1/4" x 20 7/8" x 10"
WEIGHT	kg 0,85 (lb 1.87)	kg 0,9 (lb 2)	kg 6,4 (lb 14)	kg 7,5 (lb 17)	kg 8,6 (lb 19)	kg 9 (lb 20)	kg 13.5 (lb 30)	kg 23 (lb 51)
HOUSING MATERIAL	Aluminum		Corrosion-resistant Aluminum			ABS with transparent cover		
OPERATING TEMPERATURE**	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)			min. -15°C ÷ max. +40°C (min. 5.0°F ÷ max. +104.0°F)		
PROTECTION	IP55		IP67 (IK08)			IP66/67	IP45	
V AC FREQUENCY	110-277V - 50/60Hz	110-240V 50/60Hz	110-240V 50/60Hz			220-240V 50/60 Hz or 110-277V 50/60Hz or 220-277V 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