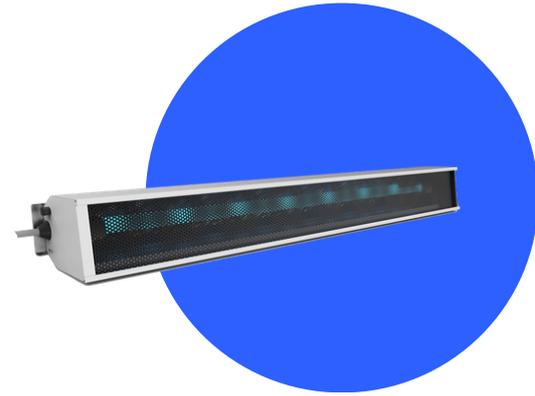




## COLD STORAGE ROOM DISINFECTION, MADE PERFECT.

UV-REFLEX-CWH **treats airborne bacteria and mold present in the air of cold rooms**, using the constantly forced air circulation of the ventilation system.

With powerful disinfecting action, **microbes and spores are eliminated** before entering into contact with foodstuff surfaces.



**Ensures full compliance with the specific measures about "Dry-Ageing" as for Delegated Regulation (EU) No. 1141/2024, amending Reg. (EC) No. 853/2004**

### KEY PRODUCT FEATURES

- **Made for the Task**; this special form factor has been designed and developed to offer the best UV-C performance for cold room storage facilities
- **Increased Disinfection Performance**, with High Output UV-C lamps (253,7 nm) and internal mirror bright aluminum reflector
- **Built to Last**, with high-quality coated Aluminum, all material are tested to resist UV
- **UV-C Where You Need**, Directional honeycomb array directs UV-C rays right where they need to go
- Protected, with **UVLON™ shatterproof protective sleeve always included** to prevent the release of glass fragments in the event of accidental lamp breakage
- **Combine More Devices** and ask our support to arrange the best application layout to built your customized disinfection solution using our dedicated software
- Optional control board available for **advanced management** of multiple lamps



HEALTHCARE



HVAC



PROCESS  
INDUSTRY



HOSPITALITY



SHARED  
SPACES



PUBLIC  
VENUES



WELLNESS  
CENTRES



TRANSPORT

## TECHNICAL TABLE

<b>UV-REFLEX-90H-C-WH</b>	
<b>REPLACEMENT LAMP</b>	n°1 CHS-90WHF-P
<b>LAMP POWER (W)</b>	90
<b>DIMENSION (WxHxD)</b>	mm 986 x 109 x 151 (in 38 7/8" x 4 1/4" x 6")
<b>WEIGHT</b>	kg 5 (lb 11.02)
<b>TREATED COLD ROOM VOLUME</b>	60 ÷ 90m³ 2.100 ÷ 3.200 ft³
<b>TREATED SURFACE</b>	15 ÷ 22 m² 160 ÷ 240 ft²
<b>FOR ALL MODELS</b>	
<b>LAMP LIFE (hours)*</b>	≤ 18.000
<b>PROTECTION RATING</b>	IP20
<b>OP. TEMPERATURE**</b>	MIN. -15°C ÷ MAX. +40°C   (MIN. 5.0°F ÷ MAX. +104.0°F)
<b>OP. RELATIVE HUMIDITY**</b>	From 20 to max. 90%
<b>VAC   FREQUENCY</b>	110-277 VAC   50/60 Hz
<b>POWER SUPPLY</b>	On-board power supply always included Optional control board available for the management of multiple devices.
<b>ELECTRICAL CONNECTION</b>	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



- Optional control board available for advanced management of multiple lamps.
- 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



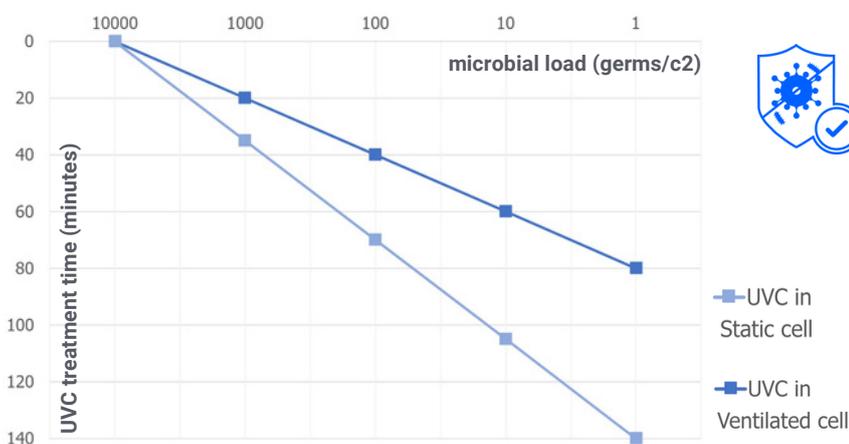
## TECHNICAL DRAWINGS

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 99,99% microbial reduction on food surface inside a Ventilated Storage Cell, in 80 minutes.**

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.

### 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
- **Automatic Switch:** turn on devices manually or with the embedded timer.



### OPTIONAL CONTROL BOARD «MASTER-ST-AC» 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.



<b>OPTIONAL CONTROL BOARDS</b>					
	<b>CONTROL BOARD «MASTER-16»</b>		<b>CONTROL BOARD «MASTER-ST-AC»</b>		
<b>MAIN FEATURES</b>					
<b>MODEL</b>	<b>16-A</b>	<b>16-A</b>	<b>ST-AC/5-P-A</b>	<b>ST-AC/20-P-A</b>	<b>ST-AC/35-P-A</b>
<b>COMPATIBLE UVC DEVICE (W)</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>
<b>CONTROL OF MULTIPLE DEVICES</b>	up to 16 A	up to 16 A	up to 5 devices	up to 20 devices	up to 35 devices
<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		Low voltage input		
<b>SYNOPTIC SCHEME</b>	-		LED indicator		
<b>POWER CABLE</b> connection to the mains	Three-core cable 2P+E (not included)		Three-core cable 2P+E (not included)		
<b>CONNECTION PLUG</b> on lamp side	-		-		
<b>INSTALLATION</b> Mounting options	Screws (not included)		Screws (not included)		
<b>TECHNICAL FEATURES</b>					
<b>MODEL</b>	<b>16-A</b>	<b>16-A</b>	<b>ST-AC/5-P-A</b>	<b>ST-AC/20-P-A</b>	<b>ST-AC/35-P-A</b>
<b>ELECTRONIC CONTROL GEARS ON BOARD</b>	-		-		
<b>DIMENSIONS (mm)</b> (W x H x D)	410x300x180		410x300x180	610x400x230	740x530x255
<b>DIMENSIONS (in)</b> (W x H x D)	16 1/8" x 11 3/4" x 7 1/8"		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>	IP20		IP66/67		
<b>V AC   FREQUENCY</b>	230V or 110V 50/60 Hz		230V or 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