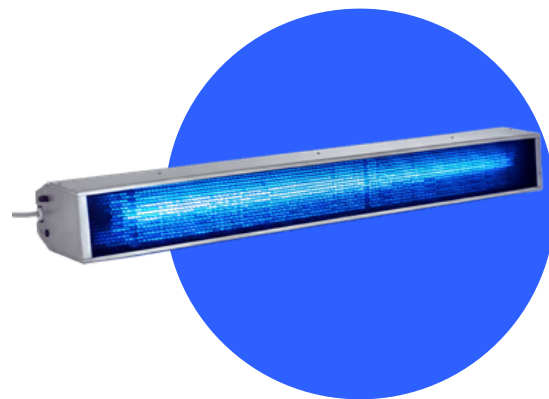




COLD STORAGE ROOM DISINFECTION, MADE PERFECT.

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), **ozone-free** and internal mirror bright aluminum reflector.
- **Built to Last**, with high-quality Stainless Steel AISI 304, 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.



TECHNICAL TABLE

	UV-REFLEX-90H-C-NX
REPLACEMENT LAMP	n°1 CHS-90WHF-P
LAMP POWER (W)	90
DIMENSION (WxHxD)	mm 986 x 109 x 151 (in 38 7/8" x 4 1/4" x 6")
WEIGHT	kg 5 (lb 11.02)
TREATED COLD ROOM VOLUME	60 ÷ 90m³ 2.100 ÷ 3.200 ft³
TREATED SURFACE	15 ÷ 22 m² 160 ÷ 240 ft²
	FOR ALL MODELS
LAMP LIFE (hours)*	≤ 18.000
PROTECTION RATING	IP20
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	110-277 VAC 50/60 Hz
POWER SUPPLY	On-board power supply always included Optional control board available for the management of multiple devices.
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

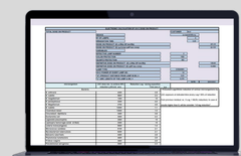


- Optional control board available for advanced management of multiple lamps.
- Mounting and powering the device can be done without complex requirements.
- Ongoing maintenance only takes a few minutes to replace lamps when necessary.

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



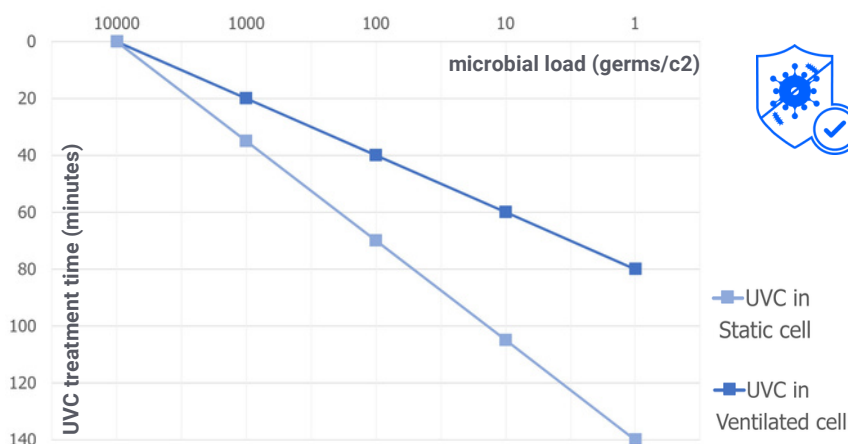
TECHNICAL DRAWINGS

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.
- **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 «MASTER-16-A»	CONTROL BOARD «MASTER-ST-n-A»	
MAIN FEATURES			
MODEL	MASTER-16-A	MASTER-ST-10-A	MASTER-ST-35-A
COMPATIBLE UVC DEVICE (W)	90	90	90
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 ✓ Dry contact output * (up to 230V, 1A)	
EXHAUST LAMP ALARM	✓ LED indicator	✓ LED indicator ✓ Dry contact output * (up to 230V, 1A)	
LAMP LIFE HOUR COUNTER	✓ Digital Display	✓ 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	Three-core cable 2P+E (not included)	Three-core cable 2P+E (not included)	
CONNECTION PLUG on lamp side	-	-	
INSTALLATION 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) (W x H x D)	410x300x180	410x300x180	610x400x230
DIMENSIONS (in) (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"
HOUSING MATERIAL	ABS	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)	
PROTECTION	IP20	IP66/67	
V AC FREQUENCY	230V 50/60 Hz 110V 50/60 Hz ***	230V 50/60 Hz 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.