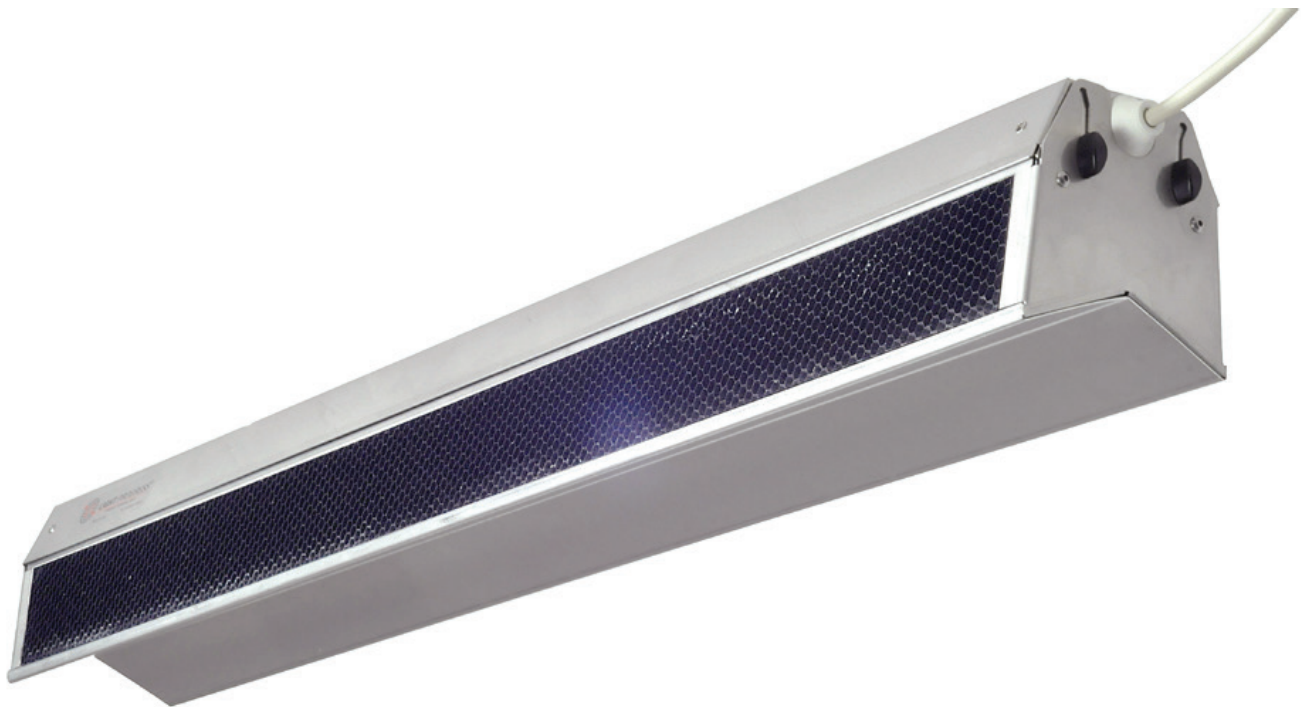


Industry: Food & Beverage

UV Reflex-SCB



UV-C system for cold rooms

UV-REFLEX-SCB performs a progressive action of decontamination from airborne bacteria and mold present in the air of the cold rooms, improving the conditions of preservation of products.

With the use of UV-REFLEX-SCB, in particular, an improved maturation, aspect and quality of the meat is achieved. The treatment takes place by exploiting the constant forced air circulation, (due to the flow generated by the fan of the ventilation system), which pass next to the device and is decontaminated from microbes, before they enter into contact with the products inside the cold rooms.



UV-REFLEX-SCB achieves the elimination (99%) of bacteria such as Bacillus, Coli, Clostridium, Legionella, Vibrio, Salmonella, Pseudomonas, Staphylococcus, etc. in just a few minutes of operation.

Installation

Install the device at the ceiling, in position almost central and parallel to the air flow generated by the heat exchanger. The assembly of one or more devices must be carried out so as to distribute them uniformly in the cold room (avoid the hidden areas, such as the corners; all the indoor air must be treated). The final absolute result of the disinfection will be correlated to the higher or lower value of the microbial load in the environment outside the cold room.

For installation, use the two supplied stainless steel brackets, anchoring them to the ceiling with screw anchors (08 ÷ 010 mm). After inserting the screw anchors to the ceiling, you must screw the device to the brackets (by supplied stainless steel screws M4x10), before fixing them to the ceiling. In the case of a very high ceiling, you can tie a chain to the UV device (not supplied) to attach the brackets to the ceiling.

WHAT ARE UV-C RAYS?

Light in a broad sense can be divided in visible, infra-red and ultraviolet rays. Ultra-violet rays (invisible) can be classified in:

- UV - A (with tanning properties)
- UV - B (with therapeutic properties)
- UV - C (with germicidal properties)

The germicidal effects of the UV-C radiation destroy DNA of Bacteria, Viruses, Spores, Fungi, Moulds and Mites avoiding their growth and proliferation.

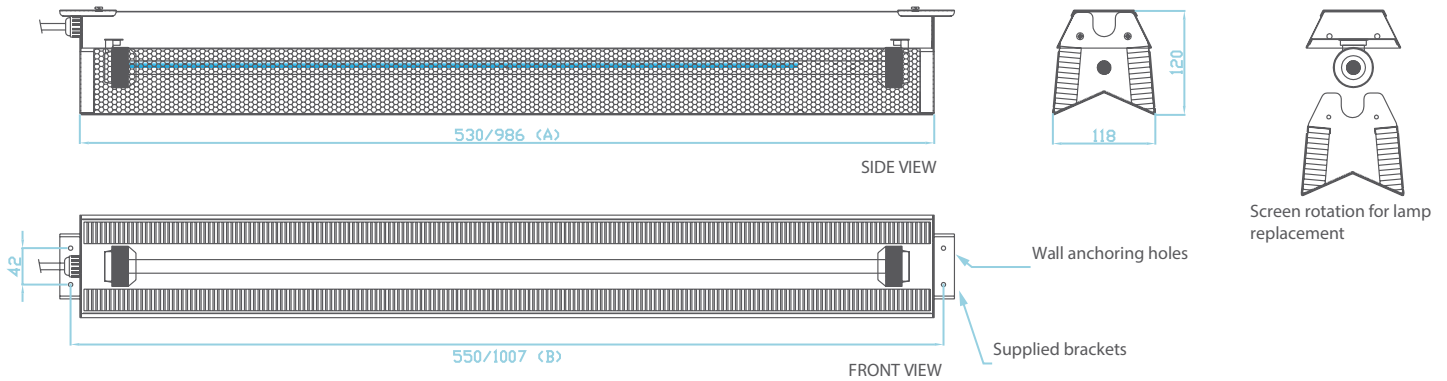
UVGI technology is a physic disinfection method with a great cost/benefits ratio, it's ecological, and, unlike chemicals, it works against every microorganisms without creating any resistance.

TECHNICAL FEATURES

UV-C Light Progress selective lamp (emission peak 253.7 nm.) with high output, ozone free, very pure quartz.

- Structure in AISI 304 stainless steel.
- All materials are tested to resist to intense UV-C rays.
- Dust and water resistant (IP 55).
- Power supply with electronic ballast specific for Light Progress UV-C lamps.
- Internal mirror reflector in bright aluminium.
- Honeycomb one-way black filter.
- CE marking (LVD - EMC - MD - RoHS).

TECHNICAL DRAWINGS



TECHNICAL SPECIFICATIONS

UV-REFLEX	E40H-SC/B-NX	E75H-SC/B-NX
LAMP LIFETIME (hour)	9000	9000
TOTAL CONSUMPTION (W)	40	75
DIMENSIONS LxSxH (mm)	530 x 118 x 120	986 x 118 x 120
WEIGHT (Kg)	2,5	4
TREATED AIR (m ³)	30-40	60-90
TREATED SURFACE (m ²)	7-10	15-22

UV REFLEX SCB - Quality in cold rooms

UV-REFLEX-SCB is a wall-mounted germicidal device with indirect radiation upwards, with structure in AISI 304 stainless steel, specifically conceived for cold rooms. The inner surface consists in a mirror bright aluminium reflector to increase the reflection of UV rays.

Directional black honeycomb filter channels the flow of UV-C rays. The series includes a wide range of models, different according to the UV-C lamp wattages.

UV-REFLEX-SCB is provided with a 2.5 m power cable without plug. UV-REFLEX-SCB can be equipped with special control board for operational control, which, especially in the case of installation of several units, can handle switching on, failure alarms, meters and input security check in the room treated.



S P E C T R A

PROFESSIONAL UV SOLUTIONS

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