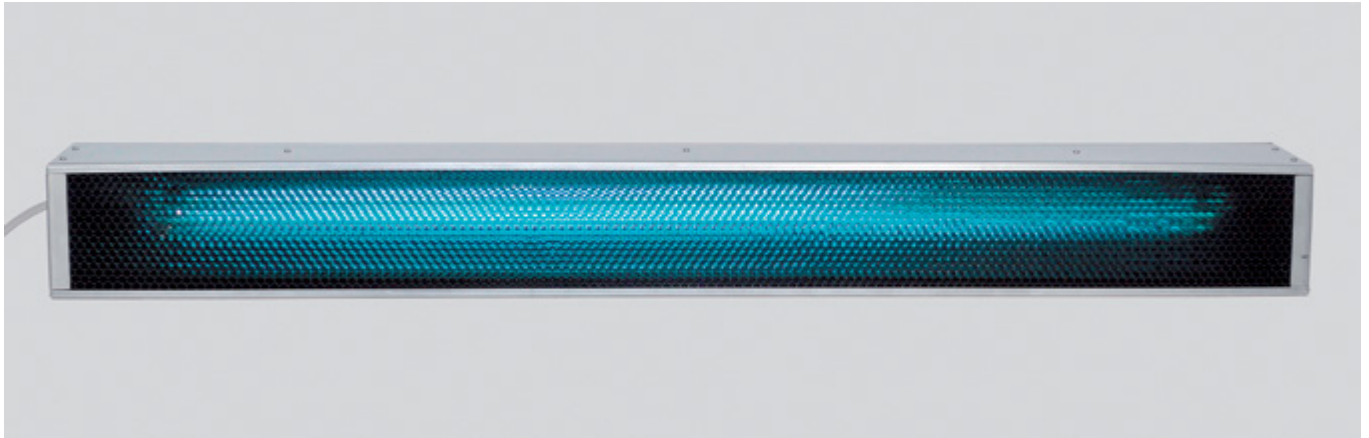




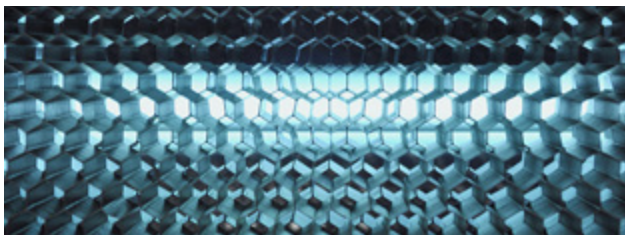
UV-FLOW-C-NX *horizontal*

UV-C Device with Controlled vertical/horizontal Flow
for Barriers against Germ



The **UV-FLOW...C** series includes germicidal devices using UV-C ultraviolet rays with horizontal flow control irradiation that sterilize the air and surfacereached by rays.

These UV-C tubes, with emission peak at 235.7 nm. (nanometers), have a high germicidal power against all micro-organisms (mold, bacteria and viruses). These can be used in the presence of people for **intensive and continuous sanitization of the air**. Also, given that the procedure is not chemical, but physical, there is no danger of creating resistant forms over time, or contaminating the air and food or other products.



- Highly efficient selective UV-C tube (at 253.7 nm.), pure quartz.
- Stainless steel AISI 304 body.
- All used materials are tested to resist to intense UV-C radiation
- Specific electronic ballast for UV-C rays lamps.
- Protected against dust and water (IP55) (II Class).
- Pure bright mirror aluminum reflector.
- CE trademark (LVD 73/23 - EMC 89/336 - MD 93/42).



APPLICATION AND RESULTS

The use of the devices allows intensive sanitization of the air, very important in all places where people gather, such as offices, medical offices, but also in rooms of hospitals and hospices etc. where the transmission of some viruses and bacteria is highly probable by means of aerosols dispersed in the air.

Sanitization of the air substantially reduces the transmission of pathogenic germs among people and in general makes extended stays possible in rooms where microbial concentration is very low. The application of UV-FLOW ...C is important also in sites for food production where it is necessary to operate in optimal microbiological conditions.

Mold spores and bacteria that circulate freely in the environments are destroyed by UV-C rays; this prevents the possibility of these being deposited on the surface of products during processing, thus increasing their preservation.

OPERATING

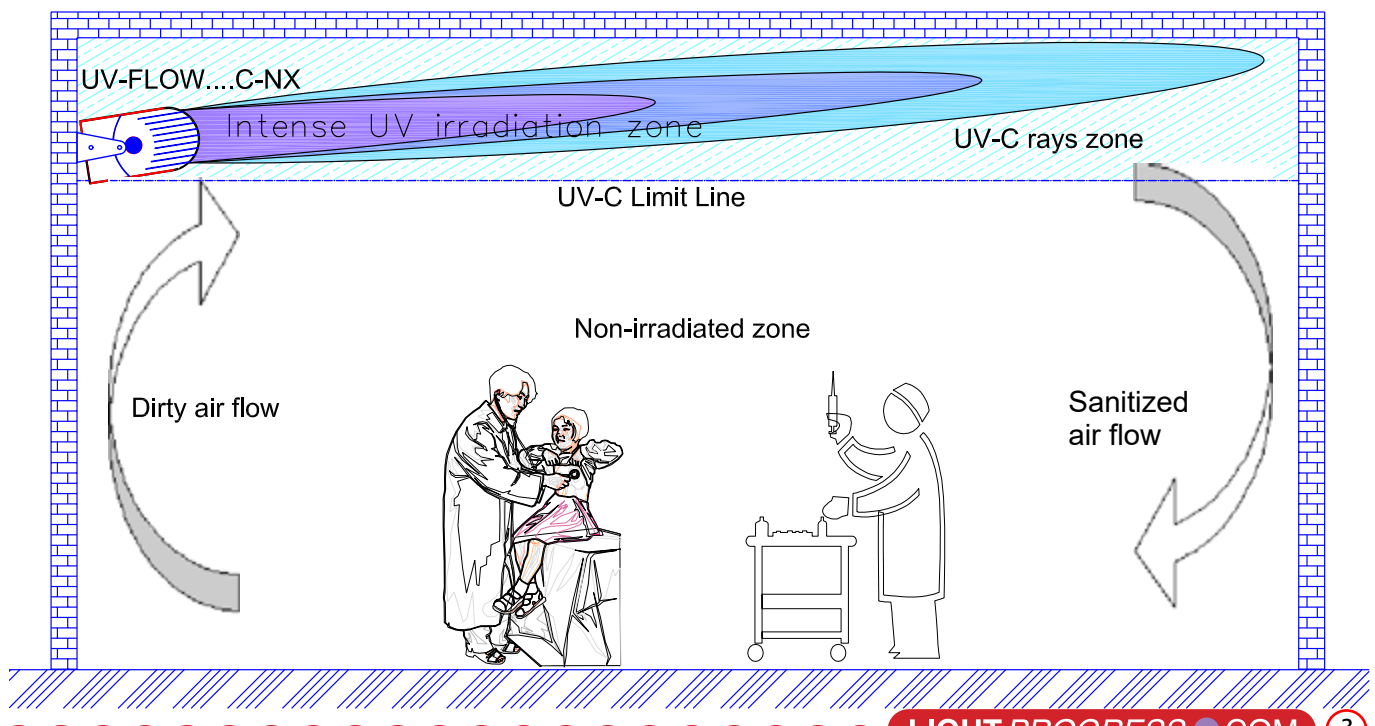
UVFLOW...C is equipped with directional blades that channel the flow of UV-C rays in order to form a "UV curtain" that flows out of the device and irradiates the upper area of the site.

Installation above 2.20 meter height, also with the help of special brackets that direct the flow slightly upward.

To cover your device, please refer to Table Model Characteristic ; the range of the device should not invest any installations in the ceiling that would prevent its normal operation. This arrangement will create a "zone of intense radiation" below the ceiling, which destroys all airborne microorganisms, due to natural convection of air (see pic. 1)

The air, rich in microbes, is continuously treated and disinfected by the ultraviolet rays; a progressive decontamination of bacteria, viruses and molds is made, decreasing the possibility of bacterial, viral transmissions and contaminations in general.

Continuous operation ensures a permanent progressive healthy environment, especially in hospitals, schools, restaurants, indoor workplaces as offices, laboratories, etc..An extremely important disinfection activity can be done in hospitals intensive cares units, to prevent the spread of diseases such as TB and other transmissible pathologies through air





BENEFITS AND ADVANTATGES

● DEEP AND CONTINUOUS SANITIZATON

This device can be switched on continuously without people being present (i.e. during the night for 2-3 hours). The disinfection of the air, the machinery, and everything that is contained inside the room allows beginning the work day in ideal hygienic conditions. In this way, the level of microbial load in one site is maintained constantly low.

● PHYSICAL ACTION AND ECOLOGICAL PROTECTION

Treatment with UV-C rays is purely physical, always allowing treatment with the same efficiency; there is no danger of overdosing with UV rays in the air. In contrast, many chemical treatment methods involve the use of products that are risky and difficult to biodegrade, with consequent hazards to human health; besides, the use of chemical products, in contrast to UV-C rays, could develop resistant microbial forms.

● IMMEDIATE EFFECT

Effective treatment (99.9% bacteria reduction) takes just a few minutes.

● NO CHEMICAL/PHYSICAL CHANGES

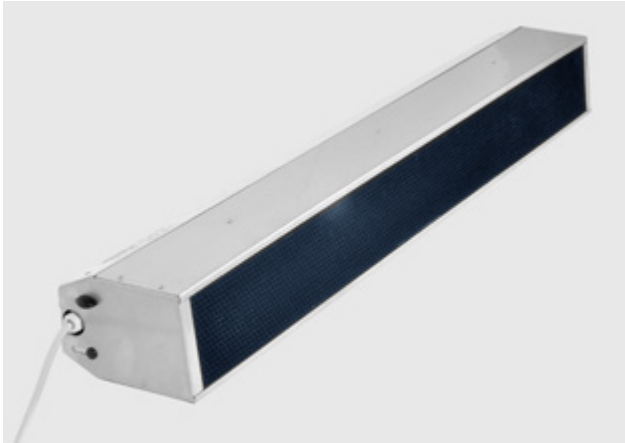
Treatment is cold and dry; it causes no organoleptic or qualitative changes in the food.

● NO DANGER OF DISPERSION OF GLASS

With the special UVLON® protection, there is no danger of dispersion of glass fragments resulting from any breakage of UV-C tubes.

● PRACTICALITY AND ECONOMY

Treatment is immediate and ready to use. Maintenance is minimal with low costs of both energy consumption and of maintenance.

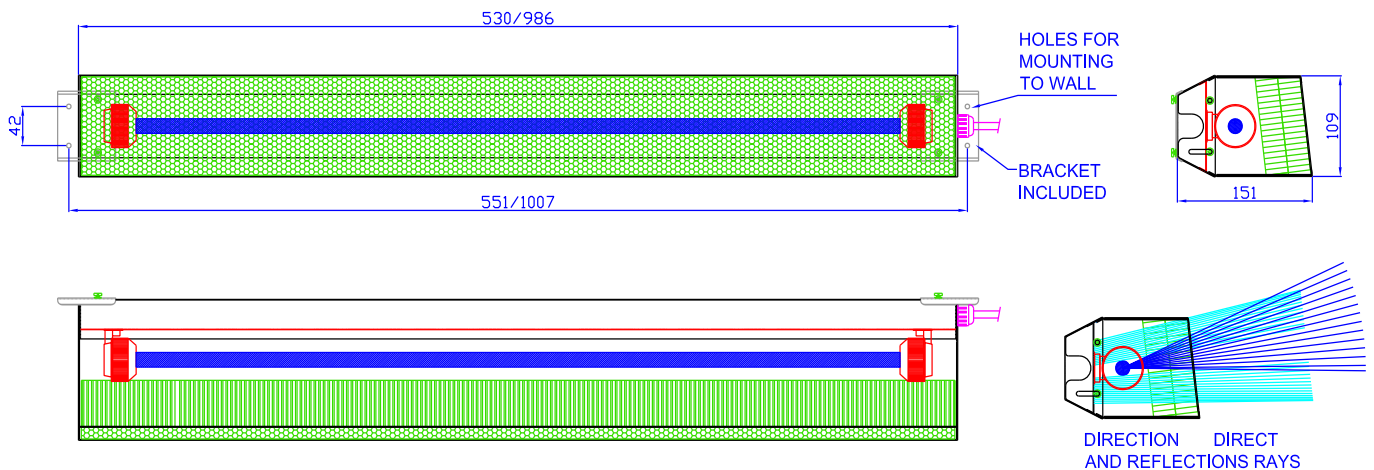


UVGI Device for Direct Irradiation



MODELS CHARACTERISTICS

UV-FLOW	E40H-C-NX	E75H-C-NX
LAMP LIFETIME (h)	9000	9000
POWER (W)	40	75
DIMENSIONS LxSxH (mm.)	530 x 109 x 151	986 x 109 x 151
WEIGHT (Kg.)	3	5
TREATED AIR (m ³) (horizontal flow)	da 20 a 25	da 35 a 50
TREATED SURFACE (m ²) (horizontal flow)	da 6 a 8	da 12 a 15
DOOR WIDTH (cm.) (vertical flow)	60	100



MODEL CODES

