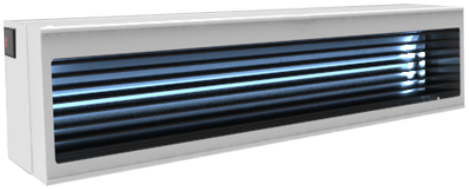
UV-FLOW...-WL



The UV-FLOW .... WL is a controlled unidirectional flow device with a 180° beam pattern; the powerful UV lamp inside is provided in 2 different power models, each with a narrow emission peak at wavelength of 253.7nm. (nanometers), which has a strong germicidal effect against all micro-organisms (molds, bacteria and viruses). There is also a parabolic, mirror bright aluminum surface, which generates UV rays parallel beams by reflection. These beams pass through a special black laminated grid that directs UV rays to form a unidirectional flow ("blade UV"). When installed according to the instructions, this device can be used in the presence of people for intensive and continuous air disinfection.

The UV-FLOW .... WL must be anchored at wall, at a fixed minimum height (see technical specification for details) from the floor to generate a special horizontal flow that will create a "zone of intense radiation" below the ceiling, which destroys all airborne microorganisms, due to natural convection of air. 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.

KEY FEATURES

- Wall mounting UV-C solution for air treatment in closed spaces
- Ozone-Free, 235.7 nm., UV-C Quartz Lamps
- To be used 24/7 also in presence of people
- Available with Slats or Honeycomb grids to maximise irradiation
- Safety switch to prevent accidental exposure to people

TABLE

UV-FLOW	8-WL-HC	8-WL	16-WL
LAMP LIFETIME (hour)*	≤ 18.000	≤ 18.000	≤ 18.000
CONSUMPTION	8 W	8 W	16 W
DIMENSIONS LXSXH	370 x 185 x 145 (14.56 x 7.28 x 5.7 in)	370 x 185 x 145 (14.56 x 7.28 x 5.7 in)	370 x 185 x 145 (14.56 x 7.28 x 5.7 in)
PROTECTION RATING	IP 20		
WEIGHT	4,5 Kg (9.92 Lb)	4,5 Kg (9.92 Lb)	4,5 Kg (9.92 Lb)
SURFACE AREA COVERED (> 10 µW/CM²)	8 ÷ 14 m² (387.5 ÷ 645.83 Ft²)	15 ÷ 22 m² (645.83 ÷ 861.11 Ft²)	23 ÷ 35 m² (247.57 ÷ 376.74 Ft²)
EQUIVALENT ACH (AIR CHANGES PER HOUR)	4 ÷ 6	4 ÷ 6	4 ÷ 6
REPLACEMENT LAMP	n°1 CHS-8W	n°1 CHS-8W	n°1 CHS-16W

* continuous operation

Installation instructions

General Design Guidelines

MINIMUM ROOM SIZE	UV-FLOW -8-WL-HC	UV-FLOW -8-WL	UV-FLOW 16-WL
MINIMUM CEILING HEIGHT	2,70 m ÷ 3,00 m (8.85 Ft ÷ 9.8 Ft)	3,00 m ÷ 2,90 m (9.8 Ft ÷ 9.51 Ft)	3,00 m (9.8 Ft)
MINIMUM DISTANCE FROM THE CEILING TO THE TOP OF THE DEVICE	30 cm (11.81 Inc)	30 cm (11.81 Inc)	30 cm (11.81 Inc)
MINIMUM LENGHT OF ROOM'S LONG SIDE	4,00 m (13.12 Ft)	5,00 m (16.40 Ft)	5,50 m (18.04 Ft)
MINIMUM LENGHT OF ROOM'S SHORT SIDE (WHERE TO PLACE THE DEVICE)	3,00 m (9.84 Ft)	3,00 m (9.84 Ft)	4,00 m (13.12 Ft)

General Notes:

- The minimum distance between the ceiling and the top of the device should be 30 cm.
- Device to be placed on the short side of the room.
- Should be installed and maintained by a trained technician following installation instructions and user manual
- UV device should be distributed evenly so as not to create areas of high concentration and areas of low intensity of UV radiation. This will enable continuous disinfection of the ambient air circulating in the room due to natural convective motion.



TECHNICAL DRAWINGS