

UV-C germicidal lamps series

CE

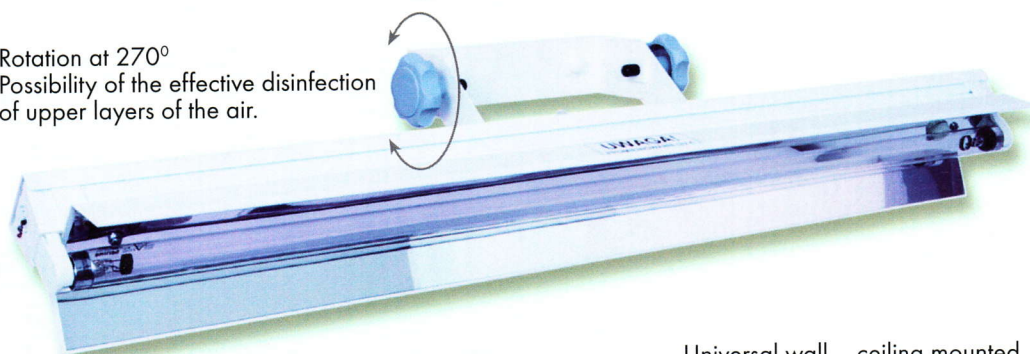
...NBV

ULTRA
VIOL



PURITY, RELIABILITY, SAFETY

Rotation at 270°
Possibility of the effective disinfection
of upper layers of the air.



NBV 30 N

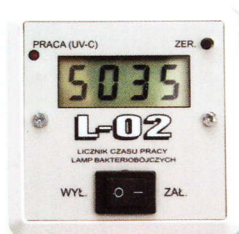
Universal wall - ceiling mounted
UV- C germicidal lamp
(power 30 W; 1X TUV 30 W).

Radiators produced by Philips
guarantee high efficiency and long-time
performance (8000 h).



Programming device LP-02

External digital counter and
programmer of UV-C germicidal
lamps working time. 1, 2, 4 or 8
working hours, operation key
switch, 4-digits LCD displayer



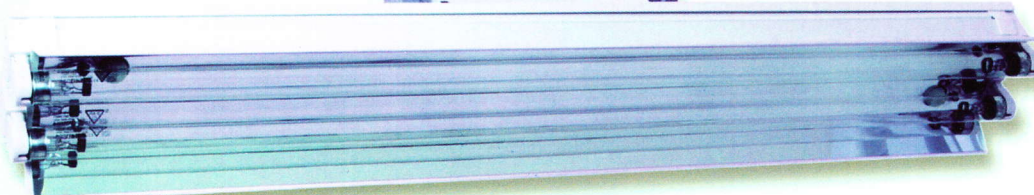
Working time counter L-02

External digital UV- C germicidal
lamps working time counter with
the switch - off button and the 4-
digits LCD displayer.



Working time counter LW

Digital working time counter equipped with
the microprocessor, the 4- digits LED displayer
and the acoustic signalization of the time
of radiators change. The possibility of self-
connection to previously purchased UV - C
germicidal lamps direct action or flow.



Reflector made of high-quality aluminum with characteristics
similar to the mirror (high reflectivity), easy
to keep clean

NBV 2x30 N

Universal wall - ceiling
mounted UV- C germicidal
lamp (power 60 W; 2 x TUV
30 W)

Design Power (number and power of the radiators)	S ceiling - mounted	N wall - ceiling mounted (universal)	P on mobile stand	L with radiators working time counter, without displayer	LW with radiators working time counter, with displayer
15 W (1xTUV15W)	NBV 15S	NBV 15N	NBV 15P	...L	... LW
30 W (2xTUV15W)	NBV 2x15S	NBV 2x15N	NBV 2x15P	...L	... LW
30 W (1xTUV30W)	NBV 30S	NBV 30N	NBV 30P	...L	... LW
60 W (2xTUV30W)	NBV 2x30S	NBV 2x30N	NBV 2x30P	...L	... LW

We offer also flow UV-C germicidal lamps with forced air circulation

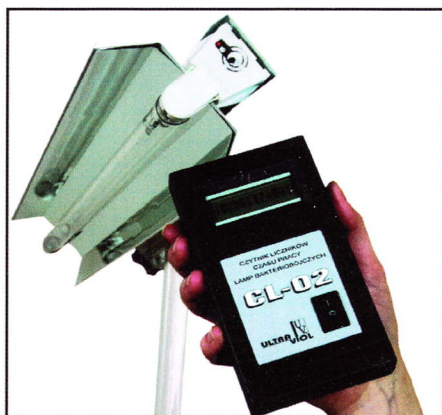
Produced by our company, medical equipment is manufactured in accordance with current law on medical devices



All lamps are marked with visible and readable warning sign : (" Attention! UV-C Radiation - protect eyes and skin")

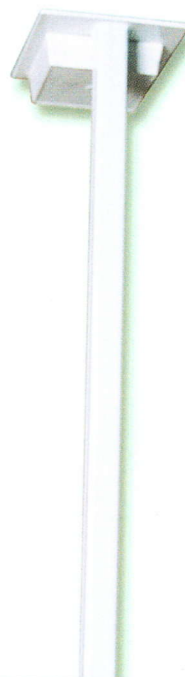
Working time counter L

Digital working time counter equipped with the microprocessor, without display, with the acoustic signalization of the time of radiators change, mounted in direct action UV-C germicidal lamps



Reader CL-2

While performing the counter sends, emitted in infrared, a signal containing actual counter state. The counter state can be verified with the reader CL-02 offered by our company.



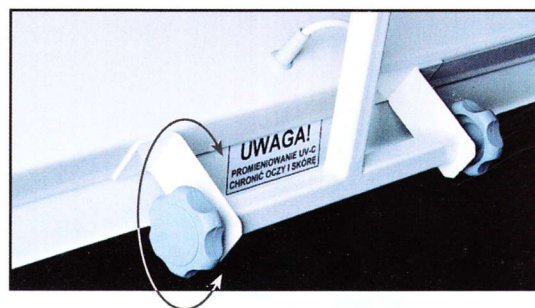
Wall and ceiling mounting system ensures stability of the lamp. The electric connection is hidden in a sealed box.

The electric systems of the lamps are placed in longitudinal bars made of stainless steel, powder coated. In addition, the whole is reinforced with a metal grid, coated with a white powder lacquer.

The cover is resistant to disinfection agents.



NBV 15 S Ceiling-mounted UV-C germicidal lamp (Power 15 W; 1 x TUV 15 W)



Rotation at 300°. Possibility of the effective disinfection of upper layers of the air.



NBV 2x30 S Ceiling-mounted UV - C germicidal lamp



NBV



Lamp type	NBV 15	NBV 2x15	NBV 30	NBV 2x30
Supply voltage	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz	230 V, 50 Hz
Power requirements	25 VA	50 VA	40 VA	75 VA
Source of UV-C radiation	TUV 15W	TUV 2x15W	TUV 30W	TUV 2x30W
UV-C radiation intensity at a distance of 1 m	0,9 W/m ²	1,5 W/m ²	2,3 W/m ²	3,6 W/m ²
Service life of TUV bulb	8000 h	8000 h	8000 h	8000 h
Class protection against electric shock	I	I	I	I
Type of housing	IP20	IP20	IP20	IP20
Type of device	B	B	B	B
Type of work	constant	constant	constant	constant
Dimensions of the dome	465x85x135	465x85x135	925x85x135	925x85x145
Mass of the dome	2,0 kg	3,0 kg	3,0 kg	5,0 kg
Length of the wall lamp's handle	- 120 mm			
Length of the ceiling lamp's extension arm	- 500 mm			
Height of the on mobile stand lamp's stand	- 1800 mm			

Application of direct action antibacterial lamps is one of the most effective disinfection method. These devices produce UV-C radiation of wave length 253.7 nm. This radiation reveals the strongest biocide characteristics and irreversibly deactivates bacteria, viruses, moulds, fungi and all other microorganisms. Due to their high efficiency, antibacterial lamps are used wherever high level of microbiological cleanliness is required and quality and safety of patients and personnel depend on this level of cleanliness.

Areas for antibacterial lamps use:

- hospitals (operation theatres, treatment rooms, dressing rooms, hospital rooms, admission rooms, isolation wards)
- outpatient clinics (doctor's surgeries and treatment rooms)
- laboratories
- pharmacies
- pharmaceutical industry, food and food-processing industry
- hotel industry and catering

The detailed description of UV-C germicidal lamps' application methods is included in manual instruction.

The lamp selection method depends on many elements as: the height of the room, its shape, the surface (wall) reflection factor in the room, the temperature, humidity and the degree of air dust, microorganisms resistance. The number of parameters make it impossible to establish a simple formula to determine the number of lamps in a given room.

From the practical point of view, we may assume that a satisfactory microbiological cleanliness level shall be obtained when using:

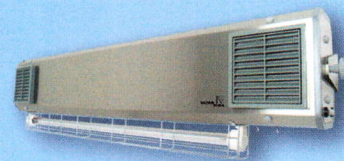
- a 15W lamp for the area of up to 6 m²
- a 2x15W lamp for the area of up to 10 m²
- a 30W lamp for the area of up to 12 m²
- a 2x30W lamp for the area of up to 18 m² in a 2.5 - 3 m

high room, in room conditions.

Depending on a room's usage (sick room, doctor's surgery, operation theatre) lamps should be turned on for 2 - 8 hours. To achieve a temporary disinfection of air in a room (eg. between 2 treatments), turn lamps on for 15-20 minutes.

Attention: Please send the answers on the e-mail address: biuro@ultraviol.pl or please give us a call: + 48 42 717 11 76

We offer a new range of energy- saving flow UV-C germicidal lamps



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