

Lamp type	NBV 15	NBV 2x15	NBV 30	NBV 2×30			
Supply voltage	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/m2	1,5 W/m2	2,3 W/m2	3,6 W/m2			
Service life of TUV bulb	8000 h	8000 h	8000 h	8000 h			
Class protection against electric shock	1	I	I	T			
Type of housing	IP20	IP20	IP20	IP20			
Type of device	В	В	В	В			
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)
- 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

- a 15W lamp for the area of up to 6 $\,\mathrm{m}^2$
- a 2x15W lamp for the area of up to 10 m²
- a 30W lamp for the area of up to 12 m^2
- a 2x30W lamp for the area of up to 18 m^2 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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UV-C germicidal lamps series

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-O2

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 selfconnection 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)

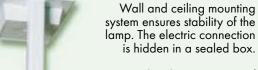
Power (number and power of the radiators)	S ceiling -mounted	N wall - ceiling mounted (universal)	P on mobile stand	L with radiators working time counter, without displayer	with radiators working time counter, with displayer
15 W (1xTUV15W)	NBV 15S	NBV 15N	NBV 15P	L	LW
30 W (2xTUV15W)	NBV 2x15S	NBV 2x15N	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 meet the requirements of Directive 93/42 / EEC, Directive 89/336 / EEC and ISO / IEC 60601-1 concerning the safety of medical devices.



Working time counter L

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



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.



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-O2 offered by our company.



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 30 P On mobile stand UV-C germicidal lamp (power 30 W; 1 x TUV 30 W), light, stable, movable