

# 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 <sup>2</sup>	1,5 W/m <sup>2</sup>	2,3 W/m <sup>2</sup>	3,6 W/m <sup>2</sup>
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 m<sup>2</sup>
- a 2x15W lamp for the area of up to 10 m<sup>2</sup>
- a 30W lamp for the area of up to 12 m<sup>2</sup>
- a 2x30W lamp for the area of up to 18 m<sup>2</sup> 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](mailto: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



NBV

# UV-C germicidal lamps series



# NBV



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# 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  
meet the requirements of Directive 93/42 / EEC, Directive 89/336 / EEC and ISO / IEC 60601-1 concerning the  
safety of 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 displayer,  
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.

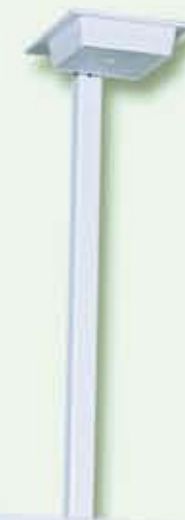
Wall and ceiling mounting  
system ensures stability of the  
lamp. The electric connection  
is hidden in a sealed box.

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 30 P**

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