



| 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



UV-C germicidal lamps series



ULTRAVIOL® Sp.j. Pietras, Purgat, Wójcik
 34 Stępowizna Str., 95-100 Zgierz POLAND
 tel.: (+48 42) 717 11 76, 717 19 59, 715 00 92, fax: (+48 42) 715 02 16
 e-mail: biuro@ultraviol.pl www.ultraviol.com

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.



NBV 2x30 N

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

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

| 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.



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.



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