

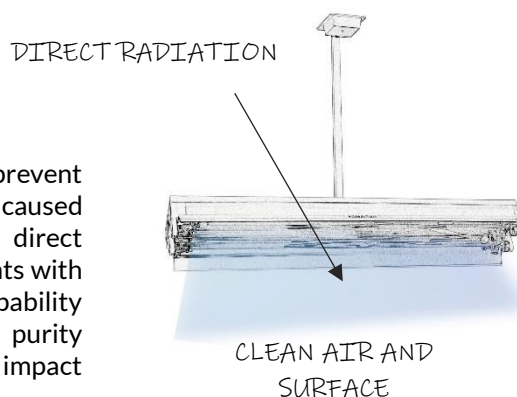
TECHNICAL DATA SHEET  
**NBV series**



**NBV 30 SLW**  
 DIRECT RADIATION UV-C GERMICIDAL LAMP

**HOW DOES THE DIRECT RADIATION UV-C GERMICIDAL LAMP WORK?**

Direct radiation germicidal lamps type NBV are designed to prevent primary and secondary infections of patients and medical personnel caused by airborne pathogenic microorganisms (pathogens). Using direct germicidal radiation in the rooms where infected patients or patients with immune deficiencies are staying, significantly reduces the probability of infection spread by air. Raising the level of microbiological purity of the air and the rooms helps to destroy and reduce impact of existing outbreaks of pathogens.



**BASIC DATA:**

|   |  |
|---|--|
| Air flow disinfection function (flow disinfection chamber)                      | no   |
| Direct radiation function   | yes  |
| Presence of people, animals, plants inside the room during disinfection process | not allowed  |
| Mounting type   | ceiling-mounted  |
| Working time counter  | yes, digital working time counter with 4-field LED display and acoustic signalling |
| External bulbs  | yes, 1 bulb  |
| Casing material   | powder laquered aluminium  |
| Reflector material  | high quality reflective aluminium  |
| Switch on/off   | no   |
| Ambient temperature   | +10°C to +40°C   |
| Relative humidity   | 30% to 70%   |
| Atmospheric pressure  | 700 hPa to 1060 hPa  |
| Declaration of conformity   | yes  |
| User's manual English version   | yes  |

TECHNICAL DATA SHEET

# NBV series

## NBV 30 SLW

### DIRECT RADIATION UV-C GERMICIDAL LAMP

**TECHNICAL DATA:**

|  |                      |
|--|----------------------|
| Supply voltage   | 230 V, 50 Hz         |
| Power consumption  | 33 W                 |
| UV-C bulbs (Philips/Osram)   | 1 x 30 W (TUV/HNS)   |
| UV-C radiation wave-length   | 253.7 nm             |
| Useful lifetime of the UV-C bulbs                                    | min. 8000 h          |
| Radiation intensity of the external UV-C tube at the distance of 1 m | 2.3 W/m <sup>2</sup> |
| Effective area of the lamp   | 12-15 m <sup>2</sup> |
| Exposure angle adjustment range                                      | 240°                 |
| Class of protection against electric shock                           | I                    |
| Ingress Protection Code  | IP 20                |
| Lamp body dimensions - without holder (L x W x H)                    | 960 x 85 x 135 mm    |
| Total lamp mass  | 4.5 kg               |
| Extension arm (holder) length:                                       | 50.0 cm              |
| Power cord length  | 0.8 m                |

**APPLICATION RECOMMENDATIONS:**

**Hospitals**

- operation theatres
- intensive care units
- emergency rooms
- examination and treatment rooms
- reception units
- patient rooms, isolation rooms
- soiled/dirty utility rooms

**Outpatient clinics**

**Medical laboratories**

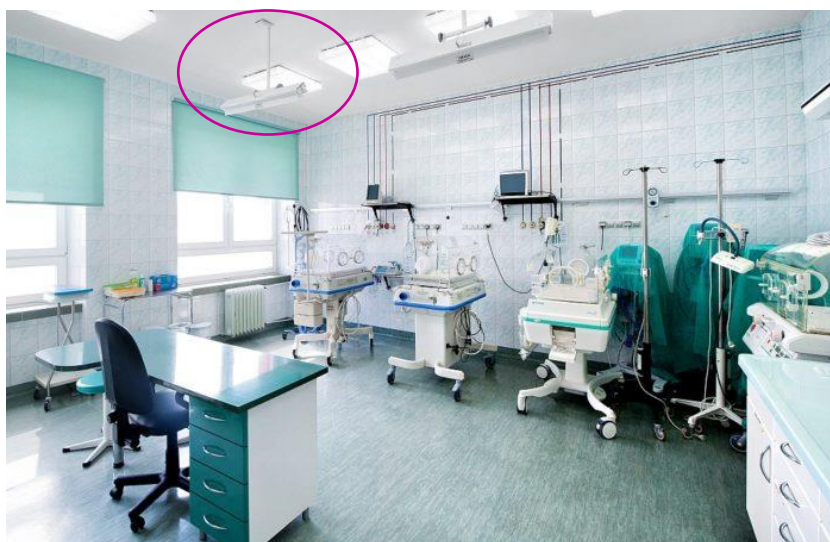
**Chemist's**

**Beauty salons**

**Pharmaceutical industry**

**Food industry**

**Cosmetic industry**



Ultra-Viol's realisation