

## TECHNICAL DATA SHEET

# NBV series

### NBV 55 PLW

#### 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.

DIRECT RADIATION



#### 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	on mobile stand
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	built in lamp body
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

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Supply voltage	230 V, 50 Hz
Power consumption	60 W
UV-C bulbs (Philips/Osram)	1 x 55 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	2.9 W/m <sup>2</sup>
Effective area of the lamp	15-18m <sup>2</sup>
Exposure angle adjustment range	240°
Class of protection against electric shock	I
Ingress Protection Code	IP 20
Operation mode	continuous
Lamp body dimensions – without stand (L x W x H)	960 x 85 x 135 mm
Total lamp mass	8.5 kg
Height of the stand	180.0 cm
Power cord length	3.0 m, ended with the socket plug

#### 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



Digital counter with acoustic signalling, without the display



Ultra-Viol's realisation