

# SANI UVGI CEILING DISC



The Sani Disc Unit emits a UV-C intensity of approximately 10µW/cm<sup>2</sup> at a distance of 1,3m from the unit in a blanket of concentric circles (as per South African and International guidelines).

All Sani units incorporate Photo-catalytic materials that enhance their efficiency.

## **Technical Details**

Model Sani Disc
Input 220V
Ampere 0.3A
Frequency 50Hz
Maximum floor area 36m²

Airflow (nominal figure) 140m³ per hour
Dimensions 150mm x 600mm

• Enclosure Steel/Alloy powder coated

Weight 3,5kg

Source UV-C 253.7nm germicidal
Safety level < 0.4µW/cm² at occupant as per international guidelines</li>

### **Tested by**

NHLS test report for efficacy. SABS for electrical compliance WITS University for efficacy.





#### Reference

E&0E

Environmental Control for Tuberculosis (website below): Basic Upper-Room Ultraviolet Germicidal Irradiation Guidelines for Healthcare Settings (www.cdc.gov/niosh/eNews)

For areas with a floor area less than 9m<sup>2</sup>, a Sani 55 UV-C unit is recommended.

Please note that we reserve the right to alter, amend or change all units without prior notice.

#### **Applications**

- TB Isolation Wards
- Intensive Care Units
- · Microbiological Labs
- · Medical Suites
- Post Harvest Storage
- Cheese, Meat & Wine Storage

Below is a list of radiation doses required for 90% inactivation of various micro-organisms.

#### Bacteria (µW/cm²)

Staphylococcus species 1800 – 2600
Streptococcus species 2000 – 6100
Shigella paradysenteriae 1680
Spirillum rubram 4400
Pseudomonas species 3500 – 5500
Escherichia coli 3000
Mycobacterium tuberculosis 10

#### Yeasts

• Saccharomyces cerevisae 33 – 100

## **Mould Spores**

Aspergillus Niger 132000
Test results on file, available upon request.

PROD CODE 20

Annika van Rooyen SA Head Office - Gauteng Office: ±27.11.391.1388 Fax: <u>086.606.8800</u> www.ozoneair.co.za

