

UV SANI DISC CEILING FIXTURE



UV SANI DISC CEILING fixture:

No other air purification is more effective at neutralizing micro-organisms than ultraviolet light radiation. Ultraviolet light possesses just the right amount of energy to break organic molecular bonds. As micro-organisms pass by the UV rays radiated from the ultraviolet lamp, this bond breakage translates into cellular or genetic damage for micro-organisms, such as germs, viruses, bacteria, fungi (like molds), etc. The **UV SANI DISC CEILING fixture** continues the proud heritage of NORDLAND LIGHTING's quality standards.



NORDLAND LIGHTING®

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

Bacteria:	($\mu\text{W}/\text{cm}^2$)
Staphylococcus species:	1,800-2,600
Streptococcus species:	2,000-6,100
Shigella paradysenteriae:	1,680
Spirillum rubrum:	4,400
Pseudomonas species:	3,500-5,500
Escherichia Coli:	3,000
Mycobacterium Tuberculosis:	10

Yeasts:	
Saccharomyces Cerevisae:	33-100

Mould Spores:
Aspergillus Niger: 132,000
The Sani Disc Unit emits a UV-C intensity $>10\mu\text{W.s}/\text{cm}^2$ at a distance of 1,3m from the unit in a beam of concentric circles (as per International and South African Guidelines).
All Sani units incorporate Photo-catalalytic materials that enhance their efficiency.
Please note that UV Equip reserves the right to alter, amend or change all units without prior notice.

Broad Applications:

- TB Isolation Wards
- General Medical use
- Intensive Care Units
- Medical Suites
- Microbiological Labs
- Post Harvest Storage
- Cheese, Meat and Wine Storage

Note:
This unit has been tested and it's efficacy approved by Mycological Quality Control Consultancy. (Results on file.)



Model	UV SANI DISC CEILING FIXTURE
Input	220V
Ampere	0.163A
Frequency	50Hz
Maximum area	36m ² (ceiling height $>2,7\text{m}$)
Airflow (nominal figure)	140m ³ /hr.
Dimensions	150mm x 600mm
Enclosure	Steel powder coated
Weight	2.2kg
Source	UVC, 254nm, germicidal
Safety Level	$<0.2\mu\text{W}/\text{cm}^2$ at occupant level as per International Guidelines

Nordland reserves the right to change any specification or design without prior notice.

