



Is your Home as Sterile as a Hospital?

INDIA's FIRST Non-UV Disinfection Lighting

A Safe Lighting that keeps
the Homes Shielded from
Germs around the clock.



RAY-PURE

Deliver STERILITY Through LIGHTING

RAY-PURE ANTIBIOTIC LIGHTING

Non-UV, Safe for Humans, Protects 24/7 Product.

RAY-PURE SAFE ANTIBIOTIC LIGHT is a New & Disruptive Product that Protects Humans from Air Borne Infections in Closed Spaces. Its a BOON in the era of increasing MICROBIAL RESISTANCE and Diminishing tribe of newer ANTIBIOTIC DRUGS.

RAY-PURE is the First NON_UV product, (UV Lights are hazardous for Human skin & eyes), with demonstrated ability to remove Airborne Pathogen DIRECTLY from AMBIENT AIR, be it the Germs, Viruses & Fungi.



Credentials:

CCMB tested on Corona Virus SarsCoV 2 with effectiveness of 95% reduction in 60 minutes.

Oliva Skin clinics certified as safe for Skin after three months of use.

MS Unit verified that the Emission Spectrum does not contain UVA/UVB/UVC/IR. Studies have established the germicidal Efficacy of our Antibiotic Light on every disease causing Microbial known over last 2 decades.

Benefits:

The RAY-PURE enables Continuous Disinfection of Indoor Air, which was not technically possible till now!

RAY-PURE Continuously Sanitizes our Homes, Offices, Malls, Theatres, Elevators.

More importantly, RAY-PURE Sterilizes the Medically Critical spaces like HOSPITALS, ICUs, OPERATION THEATERS & DOCTOR'S CONSULTING ROOMS., which are continuously

**AFFORDABLE | SUSTAINABLE |
SCALABLE NON-UV DISINFECTION**

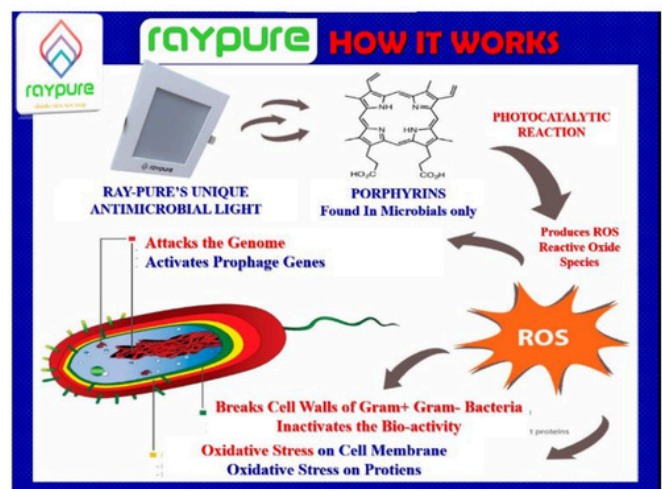
under attack by infections breathed out by the visiting sick-patients.'

Ruggedness & Longevity & Ease of Use: Ray-pure Lasts for over 5 years. It needs no Servicing, no additional Power, No Consumables. The Monthly Cost of Ownership is less than a cup of Coffee. v4

How it works (Ray-Pure Antibiotic Light.)

RAY-PURE light contains proven ANTIBIOTIC rays that fall within the Safe Visible Spectral region, Visible Light (VIBGYOR) is harmless to Human beings. This fact is certified by MS University Baroda, who analysed the emitted rays and confirmed the absence of UVA, UVB or UVC or IR.

Every Microbial Pathogen is surrounded by Associated PORPHYRINS. RAYPURE's Anti Biotic Light (ABL), through Photocatalytic Action on porphyrins, produces ROS or Reactive Oxide Species. The highly reactive ROS breaks the skin of the Bacteria & Lipid covered Viruses, & thereby destroys them. The ROS acts through multiple fronts. ROS creates Oxidative stress on nuclei acids, interferes with the Gene regulations mediated by blue-light photoreceptor proteins and by activation of prophage genes.



The human cells do not have porphyrins and hence we are not harmed by ABL lights. (This safety to human skin has been certified by 158 strong team of all UK qualified dermatologists at 'Oliva' after 3-months of live use.)





Effective against all types of Bacteria, Fungi, Viruses including SARS CoV2 & hMPV

**Healthier Hygienic Living Ambience
Perfect for Premium Spaces.**

**Raypure Non-UV Disinfection Lighting
is a game-changer & not-to-be-missed
amenity, especially for ultra-high-net-
worth homes.**

**Why? Raypure offers continuous
indoor sterilization without harmful
UV exposure. It eliminates microbes,
including viruses, while being safe for
occupants and requiring no recurring
inputs or maintenance.**

**This innovative solution ensures a
simple 24/7 Health Shield for your
beloved Family, Children & the Senior
Parents.**



RAYPURE

**Silently sterilizes OFFICE spaces
without the need for maintenance
or consumables, ensuring a
healthier work environment**



RAYPURE

**Provides continuous air and
surface sanitization,
creating safer and healthier
learning environments
in SCHOOL CLASS ROOMS**

**The live Sterilization during
the Surgeries in OT's by
RAYPURE Eliminates the risk
of SSI's. Non-UV Disinfection
is the Only solution to
protect ICU Patients from
risk of HAIs, as UV &
Fumigation are ruled out.**



100% SAFE FOR HUMANS

RAYPURE CERTIFICATES →



CSIR-CCMB SARS CoV2 VALIDATED

SAFE VISIBLE LIGHT DISINFECTION

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कोशिका विज्ञान एवं अणुविकीय जीव विज्ञान केंद्र
CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY
उपमा रोड, हैदराबाद - 500 037, INDIA

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Anti-viral Testing Report Date: 17th August, 2021

Name of the Company: LEDCHIP INDUS P LTD.
Specifics of the Product: RAYPURE NON-UV LIGHT
Name of the virus tested: SARS-CoV2
Tested Concentrations (min): 15, 30, 45, 60, 90

Assay Details:

Assay Performed	Materials used	Manufacturer
Viral RNA Extraction	MegMAX TM Viral/Pathogen II Nucleic Acid Isolation Kit	Applied Biosystems (by Thermo Fisher Scientific)
qRT-PCR	MERIL COVID-19 One-Step RT-PCR Kit	MERIL Diagnostics

Results: The device showed 98% viral reduction at 90min. The viral particles reduced from $10^{4.2}$ to 10^4 at 90 min. The experiment was done in duplicates and the values were averaged to calculate % viral reduction. The regression equation for viral particles Vs Ct value of the N-gene specific to SARS-CoV2 virus is $-3.842x + 40.364$, $R^2 = 0.9954$. (X = Number of viral particles, y = Ct value). Number of viral particles are calculated using $X = ((40.364 - \text{Ct value}) / 3.842) \times 10^{(4.2 - 3.842)}$. %Viral reduction = $\frac{\text{Number of viral particles in infection control} - \text{number of viral particles exposed to device}}{(\text{initial}) \text{ number of viral particles in infection control}} \times 100$

(Dr B Kiran Kumar)
Scientist-in-charge, CCMB

APPLIED PHYSICS DEPARTMENT
FACULTY OF TECHNOLOGY AND ENGINEERING
THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA
VADODARA - 390 001, GUJARAT, INDIA.
DST-FIST & UGC-DRS Sponsored Department

Dr. C. J. Panchal
Associate Professor

14th October 2021

Certificate of Radiational Safety of Raypure Disinfection Devices

PRODUCT TESTED
We have been tasked to examine & test the Raypure Non-UV Continuous Disinfection System LED LIGHT, that are employed in Bactericidal & Virucidal application, and are specified to have no radiation that are harmful for human beings.

RESULTS & CONCLUSION
We have examined the Spectral Power Distribution of the Raypure Disinfection device.
We hereby certify that the light emission of Raypure Disinfection device is limited to the range that is within the 'Visible' region of spectrum. Raypure's emissions do not contain any harmful radiation and Raypure emits neither the Ultraviolet UVA, UVB, UVC nor the Infra-Red IR.

Further certified that above emissions of the Raypure light **have no scientifically established adverse effects on humans**, as per the current scientific knowledge.

(Dr C. J. Panchal)
Dr. C. J. Panchal

CERTIFIED BY TOP AUSTRALIAN UNIVERSITY

DERMATOLOGIST'S CERTIFIED

raypure
Anti-Microbials

UNSW SYDNEY
AUSTRALIA
Optometry and Vision Science

ACTIVITY OF C-GUARD NON-UV LIGHTS AGAINST CORONAVIRUS

Figure 2: Formula to calculate anti-viral activity

Sample	N	Viral Counts (pfu/ml)	Reduction (%)
Test (120 minutes)	4	2007 ± 2218	73%
Test (180 minutes)	4	484 ± 1636	87%
Test (180 minutes)	4	1595 ± 305	93%
Control (180 minutes)	10	23551 ± 5597	-

CONCLUSION
The C-Guard lights can reduce the number of viable coronavirus particles by more than 70% after 90 minutes and more than 93% after 180 minutes of exposure to the C-Guard lights.

(Dr R. M. Singh)
Research Fellow
School of Optometry & Vision Science
UNSW Sydney

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The University of New South Wales
UNSW SYDNEY NSW 2052
AUSTRALIA

OLIVA
SKIN & HAIR CLINIC
8th December 2021

TESTIMONIAL OF APPRECIATION

Oliva has been using Raypure Non-UV Disinfection Lights since August 2021 (4months) as an additional precautionary measure against infections to keep our customers safer from Covid19 and harmful bacteria.

No adverse events have been reported during this period among our staff and clients.

Raypure has conducted measurements of Airborne Bacteria at the premises of OLIVA's facility, Pre & post illumination of single Raypure light of 18W in 2 rooms. The results showed a welcome reduction of 70% of airborne Microbials by over 70% within one hour of illumination by Raypure Anti-Microbial Light.

We also have taken note of the results of the tests conducted on SARS-CoV-2 at the CCMB, which yielded in reduction of SARS-CoV-2 by 95% in one hour.

We have recommended for further installations in our OLIVA HAIR & SKIN CLINICS.

(Dr Rekha Singh)
Senior consultant Dermatologist

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PRODUCTS

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