RAYPURE LIGHT

LIGHTING + DISINFECTION

raypure

CSIR CCMB TESTED & APPROVED

- Want to Banish Bacteria & Covid from homes & work places?
- Like perpetual savings on Doctors, Insurance & Antiseptics?
- Want plug & play solution that's non-hazardous & non-toxic?

98% of Covid-19 reduced in 90 mins* with RAYPURE illumination

*CCMB Anti-Viral Test report inside

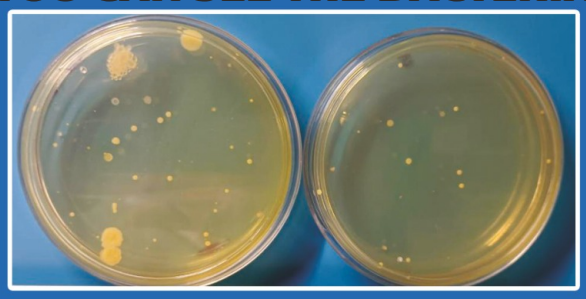
Light Bhi....Germicidal Bhi....Safe Bhi..

7981230551 - raypureCDS@gmail.com
www.raypure.in

Create your own ZERO INFECTION ZONE at cost of a LED light

ANTI-MICROBIAL
GERMICIDAL
VIRUCIDAL

YOU CAN SEE THE BACTERIA



80% Reduction in 1 hr

Money Back Guarantee For Assured Disinfection of Bacteria & Virus

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LEDCHIP INDUS P LTD

RAYPURE • Round-the-clock • Human Safe • DISINFECTION

We are pioneers in LED production in India since three decades headed by Scientist Engineer Gold Medallist from IISc.

We have developed a new product 'Raypure' that disinfects the rooms & lobbies round the clock even in the presence of occupants be it a Mall, Cafeteria, Metro coach or crowded Elevator or Offices. It alleviates the need for evacuation of rooms either to protect occupants from UV rays or from toxic chemicals found in sanitizing chemical/fogging.

The Disinfection is integrated inside your ceiling lights.

Raypure is disruptive technology made with scholarly combination of micro-bio technology, organic chemistry & innovative LED packaging process – made possible only with the unique machinery at our India's sole LED ATMP plant.

Raypure's effectiveness in eradication of COVID-19 virus (SARS-CoV-2) is already demonstrated at Mount Sinai hospital lab in New York.-70% in one hour, 99% in eight hours at 0.6mW/cm2.

Now Indian ICMR approved CSIR-CCMB lab has tested Raypure non-UV light, recording a viral reduction of 45% in 15 mins, and 98% in 60 mins.

While the anti-bacterial property is simple to verify with settle plate method on media plates, and has shown microbial reduction of 60% to 80%, in varying locations & varying congestion.

Raypure is state of art invention for in-situ, dynamic, perpetual mode of disinfection process, available 24 hours daily, all through the year. It's user- friendly needing just a flick of a switch.

We can support anti-bacterial field tests in your establishments-be it at Hospitals, Pharma CleanRooms, Schools, Crowded Restaurants, Lodgings, Residential and Commercial tenements.

Raypure helps hospitals to eliminate fungus, MRSA type hospital acquired infections which saves them from expensive claims.
We assure to deliver best anti-viral, anti-microbial, anti-fungal effectiveness.

raypure
disinfection non stop

CCMB TESTED PRODUCT

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सी सी एम बी CCMB

कोशिकीय एवं आणविक जीव विज्ञान केन्द्र

CENTRE FOR CELLULAR AND MOLECULAR BIOLOGY

उप्पल रोड़, हैदराबाद - 500 007, भारत

Uppal Road, Hyderabad - 500 007, India

Anti-viral Testing Report

Date: 17th August, 2021

Name of the Company: LEDCHIP INDUS P LTD.

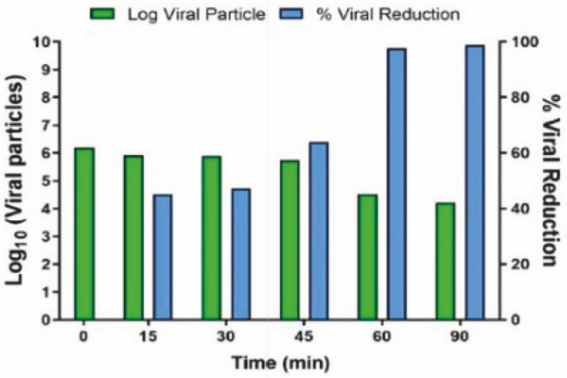
Specifics of the Product: RAYPURE NON-UV LIGHT

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	MagMAX™ 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 $10^{6.2}$ to $10^{4.7}$ 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 ($y = -3.8424x + 40.364$, $R^2 = 0.9964$)

(X= Number of viral particles, y=Ct value)

Number of viral particles are calculated using $X = ((40.364 - Ct_{N\text{-gene @ different time points.}})/3.8424)$.

$$\%\,\text{Viral reduction} = \frac{\text{Number of viral particles in infection control} - \text{number of viral particles exposed to device}}{\text{(test) number of viral particles in infection control}} \times 100$$

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

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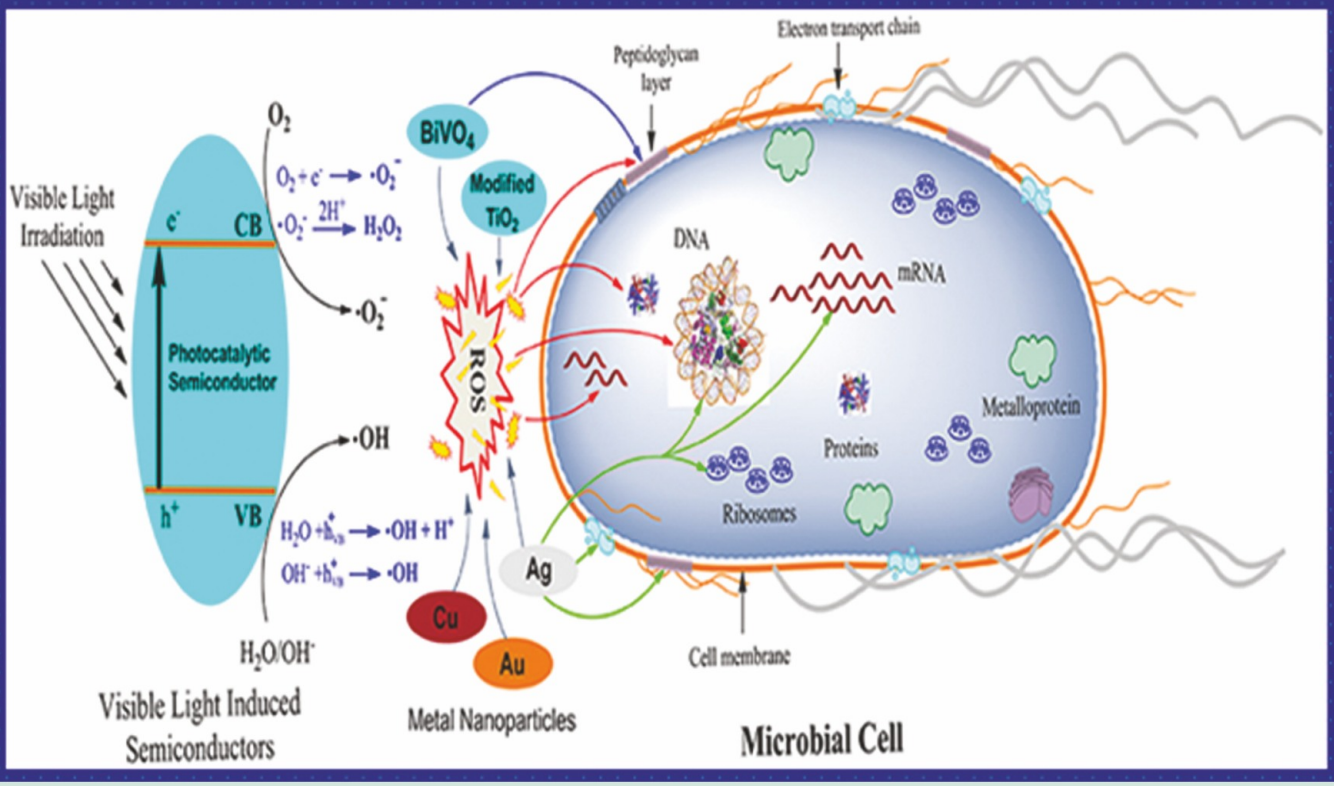
HOW IT WORKS

The Raypure has a SPECTRAL COMPONENT that create ROS Reactive Oxide Species – and Destroys the BACTERIUM through Multiple Fronts.

We created LEDs emitting both Light & Bactericidal Rays



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HORIZON
Biolabs Pvt. Ltd.

Lab Address: Plot No: 61/1, Sy.No:374, CIE, Gandhinagar Expansion, Balanagar, Quthbullapur Mandal, Medchal-Malkajgiri Dist., Hyderabad, Telangana -500037. India
Regd. Office: Flat No. 312, B-Block, ARK Towers, Mayurinagar, Miyapur, Hyderabad, Telangana-500049.

E-Mail: admin@horizonbiolabs.com; website: www.horizonbiolabs.com, **Mobile:** 9100006593,9100006591

Approved Testing Laboratory by Drugs Control Administration and Central Drugs Standard Control Organization (Drug Lic. No.: 3/ML/TS/2020/AL/G)

Certificate of Analysis

Form 39 see Rule 150-E (f) (Under the Drugs & Cosmetics Act, 1940 of the Drugs and Cosmetics Rules 1945 there under)

Name and address of the **Ledchip Indus Pvt. Ltd.** 29 A&B, Electronic Complex, Rd Number 11, Hyderabad,, Kushaiguda Industrial Area, Kushaiguda, Secunderabad, Telangana 500062	Registration : HBL/180521/014 Customer Ref : NA Receipt Date : 18/05/2021 Date of Analysis : 18/05/2021 Date of Issue : 20/05/2021

Sample Particulars

Sample : Microbial Load Measurements in Air for RayPure	Mfg. : NA
Batch : NA	Exp. Date : NA
A.R.No : NA	Re-Test Dt. : NA
Batch Size : NA	Mfg. : NA
Supplied : NA	Mfg. Lic. : NA
Sampled : NA	Sampling : NA
Test : TAMC	Sample : 04 Plates
Test : As per customer Specification	Sample : SS Canister

S.No	Test	Results & UOM	Specification
	B & C indicate position of plates kept at 6 ft and 12 ft respectively from the source in a closed room of 10ftx12ftx10ft.		
	B-Table		
	Total Aerobic Microbial Count	32 cfu/plate	Initial condition before using RayPure
	C-Floor		
	Total Aerobic Microbial Count	12 cfu/plate	Initial condition before using RayPure
	B1-Table		
	Total Aerobic Microbial Count	07 cfu/plate	Exposed for 30 min after using RayPure for 1 hour
	C1-Table		
	Total Aerobic Microbial Count	06 cfu/plate	Exposed for 30 min after using RayPure for 1 hour

THE MICROBIAL LOAD IN THE ROOM ENVIRONMENT IS BROUGHT DOWN BY 80% WITHIN JUST 1 HOUR

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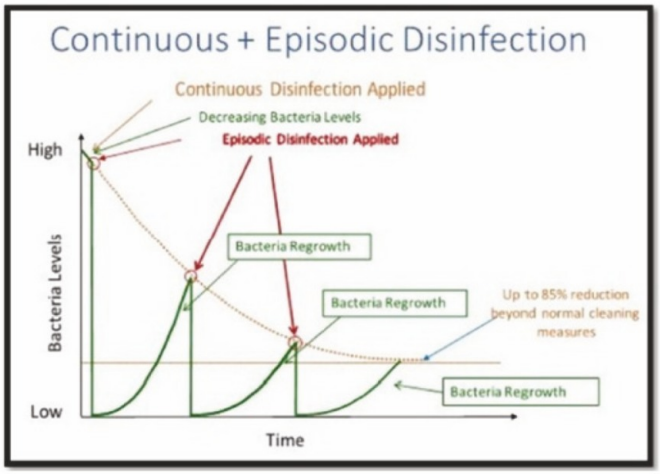
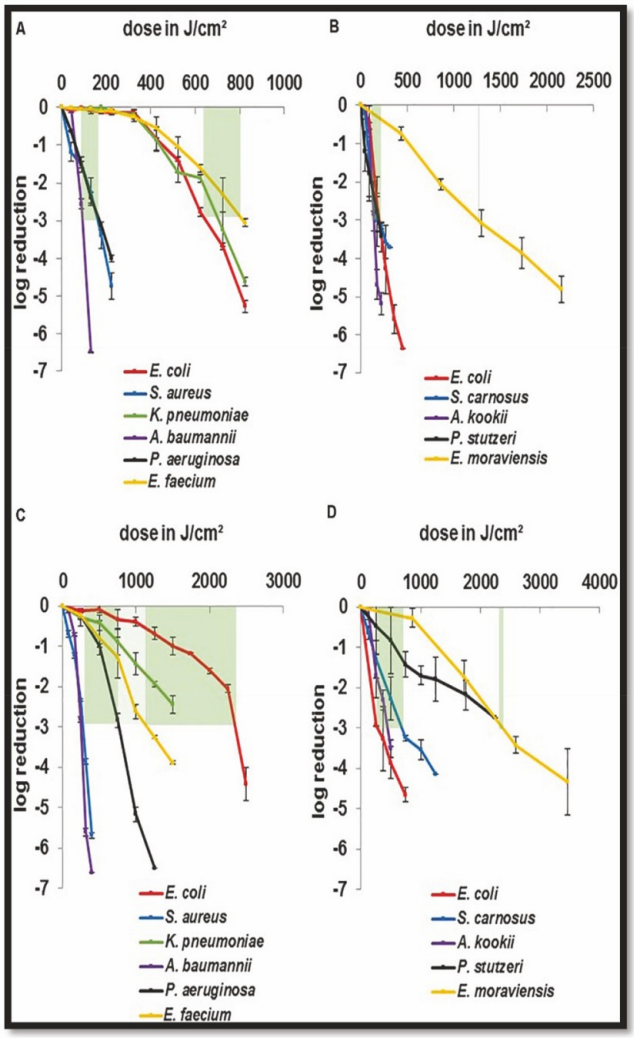


BACTERIA KEEPS GROWING BACK AFTER EVERY EPISODIC (UVC OR FUMIGATION) DISINFECTION STEP.

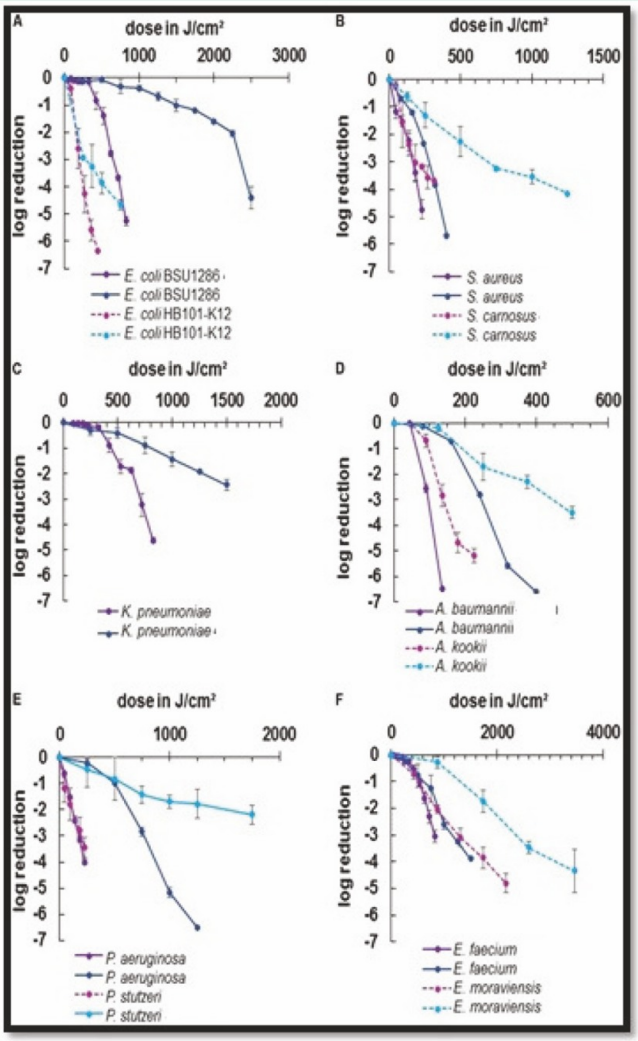
BUT

RAYPURE 'ON' KEEPS THE BACTERIA BE LOW CONSTANTLY, CONSISTENTLY.

RAYPURE – Action



On Various Microbes



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LEDCHIP INDUS P LTD

RAYPURE CONTINUOUS DISINFECTION SYSTEMS

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PROTECT YOUR FAMILY, STAFF, SCHOOL CHILDREN & CUSTOMERS.

LIGHT BHI, GERMICIDAL BHI & SAFE BHI

RDC- WALL FITTING	Model	Wattage	Outer	Cutout	Height / Thick	Room size
	RDW-L3023-18W	18W	300x70mm	-	35mm	16' x 12'
	RDW-L3042-36W	36W	300x85mm	-	42mm	20' x 25'
RDC- CONCEALED FITTING	RDC-R120-6W RDC-Q120-6W	6W	120mm	9mm	53mm Recess	8' x 8'
	RDC-R150-12W RDC-Q150-12W	12W	150mm	125mm	53mm Recess	10' x 10'
	RDC-R170-18W RDC-Q170-18W	18W	170mm	145mm	53mm Recess	16' x 12'
	RDC-R200-24W RDC-Q200-24W	24W	200mm	175mm	53mm Recess	16' x 16'
	RDC-R242-30W RDC-Q242-30W	30W	242mm	215mm	53mm Recess	16' x 20'
RDS- SURFACE FITTING	Model	Wattage	Outer	Cutout	Height	Room size
	RDS-R93-6W	6W	93mm	surface-Rfit	57mm Surface	8' x 8'
	RDS-R123-12W	12W	123mm	surface-Rfit	57mm Surface	12' x 12'
	RDS-R143-18W	18W	143mm	surface-Rfit	57mm Surface	16' x 12'
	RDS-R173-24W	24W	173mm	surface-fit	57mm Surface	16' x 16'
	RDS-Q178-18W	18W	178mm	surface-fit	57mm Surface	16' x 12'
	RDS-Q250-30W	30W	250mm	surface-fit	57mm Surface	16' x 20'
	RDS-Q280-48W	48W	280nm	surface-fit	57mm Surface	25' x 25'
RDP- PANNEL FITTING	Model	Wattage	Outer	Cutout	Height	Room size
	RDPC-Q600-36W	36W	600mm	580mm	72mm Recess	20' x 25'
	RDPS-Q600-36W	36W	600mm	Surface-fit	75mm Surface	20' x 25'

RAYPURE IS CCMB TESTED

HOW TO CHOOSE: SELECT WATTAGE by the ROOM SIZE

You can also choose a LOWER WATTAGE to SAVE ENERGY- it may take LONGER (4~8hrs) to reach low BACTERIAL LOAD

LICATL/RaypureCDS 01 rev01d Dt 20.7.21

RAYPURE - CONTINUOUS DISINFECTION SYSTEMS

RAYPURE - DISINFECTION at its SIMPLEST

99% Effectiveness for SARS-CoV-2 & H.A.I Pathogens LETHAL for VIRUS - SAFE for HUMANS

Replaces Light Fixtures in ICUs, OTs, Lifts, Cafeterias, Offices & Homes

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Raypure is in the business of Anti-Covid, Anti-Bacteria Devices. Raypure ELIMINATEs infection causing AirborneBacteria, Virus & Fungus.We create Infection-Free Zonefor Schools, Offices and Homes, round-the-clock Raypure is simple to install … just replace indoor light with Raypure & connect to same power switch.

RAYPURE is DISRUPTIVE TECHNOLOGY. The Raypure LEDs are only one of its kind that have enhanced Germicidal Rays embedded within the White LED Light, a creation by our scientists with rich 35yrs of experience in LED domain.

WHY RAYPURE ANTI_COVID ANTI_INFECTION LIGHT?

- Raypure CDS is a game-changer technology that keeps the environment fully sanitized at every point in time. All you need to do is to just flip a light switch!
- Raypure is free from any harmful Ultraviolet (UV) Lights whatsoever.
- Raypure CDS is chemical-free, non-messy, and consumable-free, does not-need daily labour, and has no recurring costs.
- Raypure CDS is easy to install ... simply replace Light Fixture of same wattage.
- Raypure CDS disinfection has Zero cost of Ownership for Hospitals & Clinics & generates perpetual savings.
- Raypure CDS works round-the-clock as Anti-Virus, Anti-Bacterial and Anti-Fungal Guard to Hospitals, Clinics, and Offices & Guard for your loved ones in Homes.

PRODUCT TYPES:

- Recess Panel Disinfecting light
- Surface Panel Disinfecting light
- Wall Lights -Plug & Play (suitable as Gifts to Doctors & Corporates- create Germ-free cabins)
- Car Sanitiser Lights.
- Customized Disinfection Light as per your Interiors.

Join us to own & sell this DISRUPTIVE TECHNOLOGY which gives LIGHT and has GERMICIDAL RAYS inside.

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