

NANO UVCLEAN LED Panel

ANTI-BACTERIAL/ VIRAL LUMINAIRE



ANTIVIRAL | ANTIBIOSIS | AIRCLEAN

ACTIVE AIR SANITIZING PANEL WITH UV LED 600x600 mm

Antibiosis

99.9%

Sanitizing rate for certain bacteria

Antiviral

99.3%

Antiseptic rate for EV.H1N1

Air Clean

24HR

Non-stop air purification

Nano UV Clean Technology

- Active decomposes H1N1, Enterovirus, bacteria x formaldehyde
- Blocking Fugus
- 24/7 air puritifaction in occupied indoor spaces
- Specially design for clinics, hospitals, schools, elavators, long-term care facilites, nursing homes, any other indoor space where cleaner air is desired.







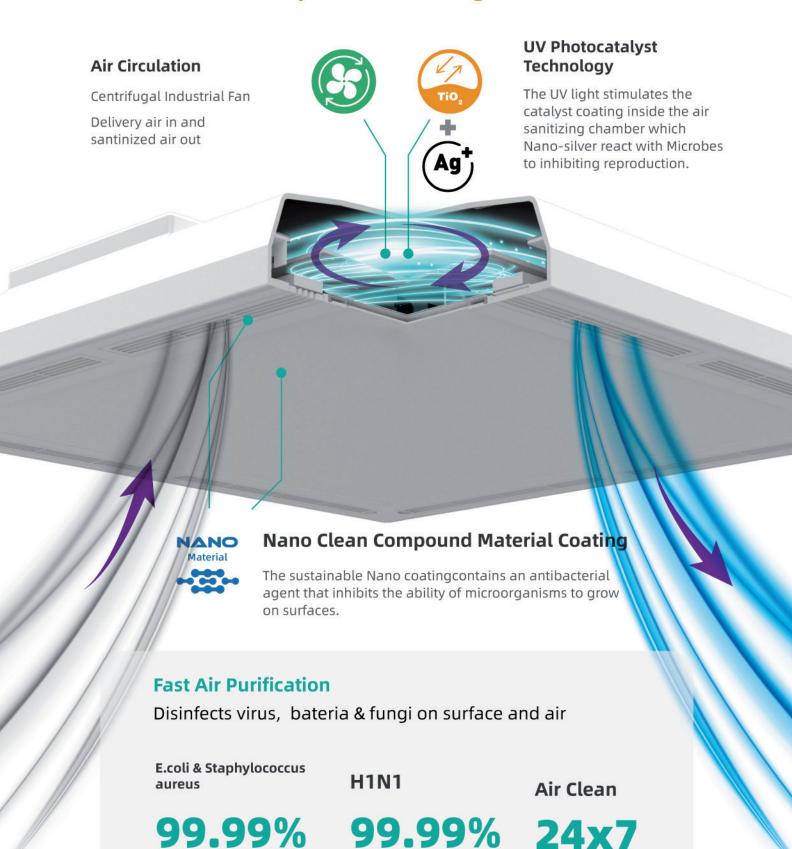






How Nano UVClean panel works?

24H air disinfection protection through 3 mechanisms

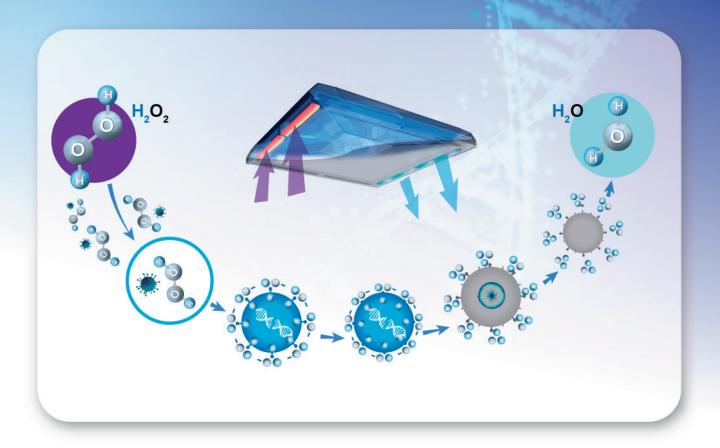


Antiseptic rate after 2hr

Antiseptic rate after 1hr

Non-stop air purification

How UV NANO Clean Tech Works?



1. UV LIGHT AND CATALYST

The UV light stimulates the catalyst coating inside the air sanitizing chamber which Nano-silver react with Microbes to inhibiting reproduction.

2. DEACTIVATION OF VIRUSES

 ${\rm TiO}_2$ creates hydroxyl radicals , affecting its lipid membrane or proteins. These ions damage the DNA of viruses and deactivate them in the air and on surfaces.

3. THE VIRUS DIES

TTA surface contain charges, charge rupture cell membranes causing death.

After the loss of its infectious capacity, the virus finally dies.

NO Chemical

NO Cover-ups

No Harm for Human, Animals, Plants

Proven by Science-Tests and Verifications







Independent laboratory tests validate UV photocatalytic oxidation's effectiveness to eradicate the following pathogens.



Test and Verificatio n for Anti-viral Effect of Nanometer Compound Material

Classification	Туре	Effect	Tested By	Elimination Rate
Virus	H1N1	virus is eliminated after 20 mins	MicroBAC. USA	99.99%
	Enterovirus (EV)	virus is eliminated after 20 mins	MicroBAC. USA	99.99%
Enviornment	Formaldehyde	Antisepic ratte after 24 hrs	Gmicro Testing. China	99.99%
	TVOC	Antisepic ratte after 24 hrs	Gmicro Testing. China	99.99%
Bacteria	E.coli	Antisepic rate after 2 hrs	Gmicro Testing. China	99.99%
	Staphylococcus aureus	Antisepic rate after 2 hrs	Gmicro Testing. China	99.99%

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Classification	Туре	Effect	Tested By	Elimination Rate
Nano UVClean Panel	E.coli	Antisepic rate after 2 hrs	Gmicro Testing. China	99.99%
	Staphylococcus aureus	Antisepic rate after 2 hrs	Gmicro Testing. China	99.99%
	H1N1	Antisepic rate after 1 hrs	Gmicro Testing. China	99.3%
	Formaldehyde	Antisepic rate after 1 hrs	SGS.China	76.61%

PATENTS



Nano material invention patent in China

More Patents Utility Patent, PCT Global Patent Pending...

▼ European Design Patent

Registered / Registrado 18/08/2020

Euro Design Patent



EUROPEAN UNION INTELLECTUAL PROPERTY OFFICE CERTIFICATE OF REGISTRATION

This Certificate of Registration is hereby issued for the Registered Community Design identified below. The corresponding entries have been recorded in the Register of Community Designs.

OFICINA DE PROPIEDAD INTELECTUAL DE LA UNIÓN EUROPEA CERTIFICADO DE REGISTRO

Este certificado de Registro se expide para el dibujo o Modelo Comunitario registrado que se indica a continuación. Las inscripciones correspondientes se han anotado en el Registro de Dibujos y Modelos Comunitarios.

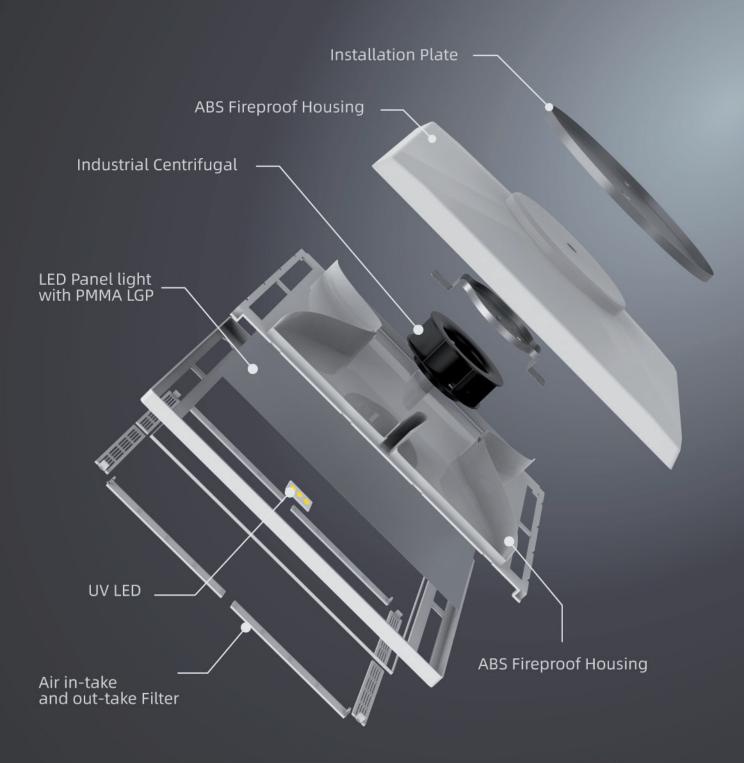
The Executive Director / El Director Ejecutivo

Christian Archambeau

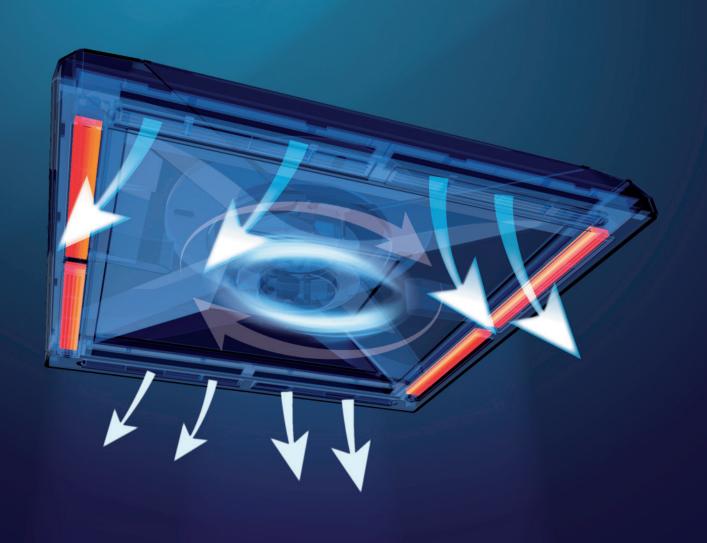


www.euipo.europa.eu

Scientifically Engineered



Scientifically engineered, compacted design according to aerodynamics, thermodynamics to make sure the excellent air purification effect and lighting efficacy.



Non-Stop 100,000Hrs

> Medical Grade Life Span

Quit Noise

<40_{dB}

Centrifugal Industrial Fan Air Clean

24_{hrs}

Air sanitizing function with or without light on.

1st Layer:

30g/m2 Covered Thin Non - woven Fabric

2td Layer:

300g/m2 Antibacterial decomposition of organic gases

3rd Layer:

180g/m2 Activated Carbon Deodorization

4th Layer:

30g/m2 Dust Removal

Easy Maintenance

Movement at the expiration of working hours 2160 1. Fan power is turned off

2. Power supply of lighting system remains normal use

3. LED indicator light blinks

How to replacement of filters

Working hours

for filter screen

12hr/d-6months 24hr/d-3months



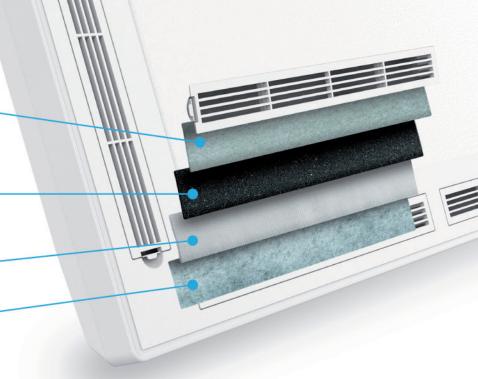
Replacement of filters

- 1. Follow user manual instruction to remove the intake filters on the cover
- 2. Open the filter cover, insert new filters
- 3. Clip in the filter mask on the

Pressing RESET Key

- 1. Press the button on the left side of LED light for 4 seconds
- 2. Lighting is switched off, and circulatory system power restarts
- 3. Timer recalculates until next change hours is due.









VID areas

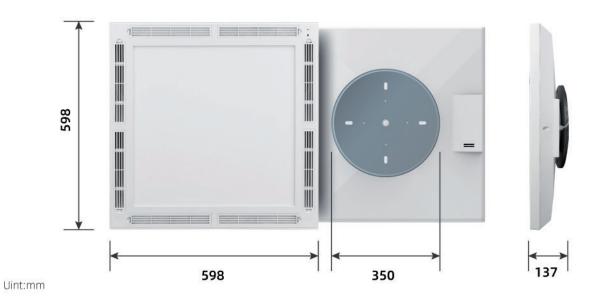
VIP Meeting Room, CEO Office, VIP Lounges. Sports areas: Gym, Sports Center.



High-Standard areas:

Pharmaceutical Factory, Semiconductor Manufacturing Factory.

Specification



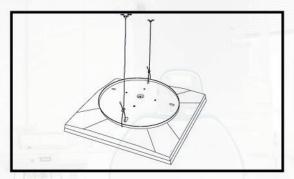
Panel Light			
Electrical Parameters			
Total Wattage	50W (40W LED Panel + 10W Air Clean System)		
Voltage	IEC AC 200-240V cUL AC100-277V		
Lumens	4000 lm		
PF	≥ 0.9		
ССТ	6000K 5000K 4000K 3000K		
CRI	80Ra		
SDCM	6 Step		
Hi-pot Test Range	SELV Isolated Driver, 1500Vdc/5mA/60S		
Life Span & Warranty			
Total System Warranty	3 Years		
LED Panel Lifespan	50,000hrs		
LED L70B50	50,000hrs		
Driver Warranty	IEC Standard -3 Year cUL Standard -5 Year		

Airclean System			
Electrical Parameters			
Power	10W		
Voltage	200-240Vac 50/60Hz		
Centrifugal Fan	DC24V		
Noise	≤40dB		
CADR (Clean Air Delivery Rate)	5.72m³/min		
Control	By Switch		
UV LED	365-405nm to accelerate photocatalyst reaction		
Life Span			
Centrifugal Fan	Medical grade non-stop100,000hrs		
	Filter working time 2160h		
Filters	When the effective time is up, the LED indicator will light up, replace the filter screen, press the: "RESET" button, and the power supply of the circulation system will restart		

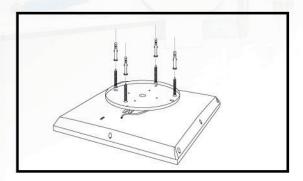
Installation & Package

Multiple installation method:

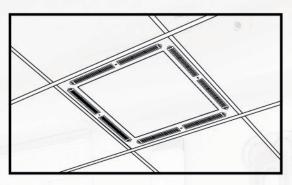
Recessed type (in T-grid)
Pendant (with additional wires)S
Pole Mounted (with accessories)
Surface mounted
Surface mounted (with frame)



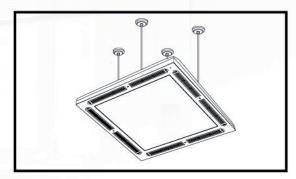
Pendant (with additional wires)



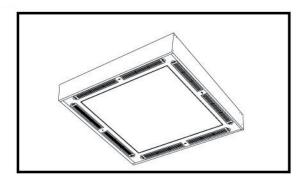
Surface mounted



Recessed (in T-grid)

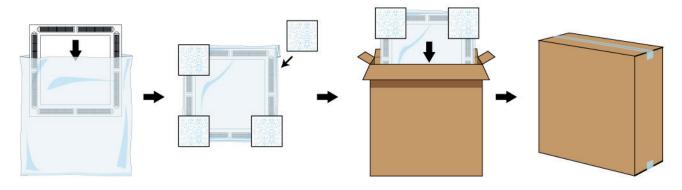


Pole Mounted (with accessories)



Surface mounted (with frame)

Package



Packing Rate	N.W	G.W	CTN Dimesion
1PC/CTN	7.2kg	8.3kg	640*160*640mm

^{*} We reserve the right to change technical specifications at any without prior notice, the latest specification version of this product can be downloaded on our homepage.



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