



LED Air Circulating Cleaning Panel Light Antiseptic and Anti-virus

Features

- 1. Using LED innovative technology, Nanometer material diffusion plate for more active antiseptic and anti-virus**
- 2. With centrifugal industrial fan and containing Nanometer materials air filter screen, circulating indoor air, better for cleaning the air and reducing air particles.**
- 3. Air-cleaning led panel light can eliminate indoor formaldehyde, ammonia, toluene and TVOC concentration**
- 4. Simple installation method and occupying little space.**
- 5. Three kinds of antiseptic and antiviral mechanisms, offer you 24hs all-weather protection against bacteria and virus with/without light.**
- 6. All kinds of antivirus and antiviral tests have been passed.**
- 7. Not only save 80% energy to traditional Panels, but also provide you with a brighter, healthier and cleaner living environment**
- 8. No noise, no flickering. No UV or IR radiation in the beam, mercury free. No delay on start.**

Applications

It's very suitable for hospitals, kindergartens, schools, houses, supermarket, hotels, and other living places.



LED Air Circulating Cleaning Antiseptic and Anti-virus Panel Light Type

TYPE 1 :

Our Normal LED Panel Light +
Nanometer material diffusion plate



TYPE 2 :

LED Panel Light + Nanometer material
diffusion plate + Centrifugal industrial
fan + Containing Nanometer materials
air filter screen



Specification

TYPE 1 :

This LED panel light with Nanometer material diffusion plate, it also have antiseptic and anti-virus, air cleaning function, and the parameters are the same as our regular panel lights, (you can check our normal led panel light)

TYPE 2 :

Light Efficiency: 85lm/W

Max Thickness: 134.7 ± 2mm

Luminous Flux: 3400Lm

Color Temperature: 3000K – 6000K

Total Power: 65W

Working Temperature: -10°C – +50°C

LED Panel: 40W

Long warranty: 3 years

PF>0.9

CE& RoHS approved

CRI: >80Ra

Noise: <40dB

Extended Coating: TTA

Nanometer Material

Fan+ Violet LED: 25W

Cleaning the air, Reducing air particles

Frame: White

Active, antiseptic and anti-virus

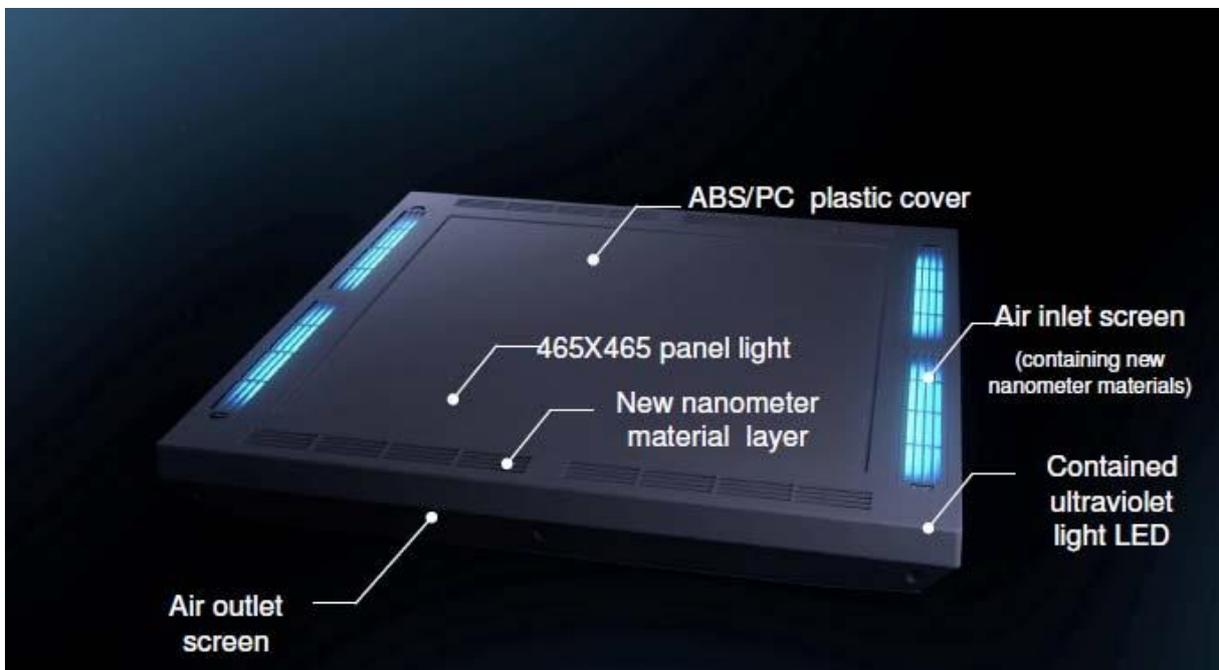
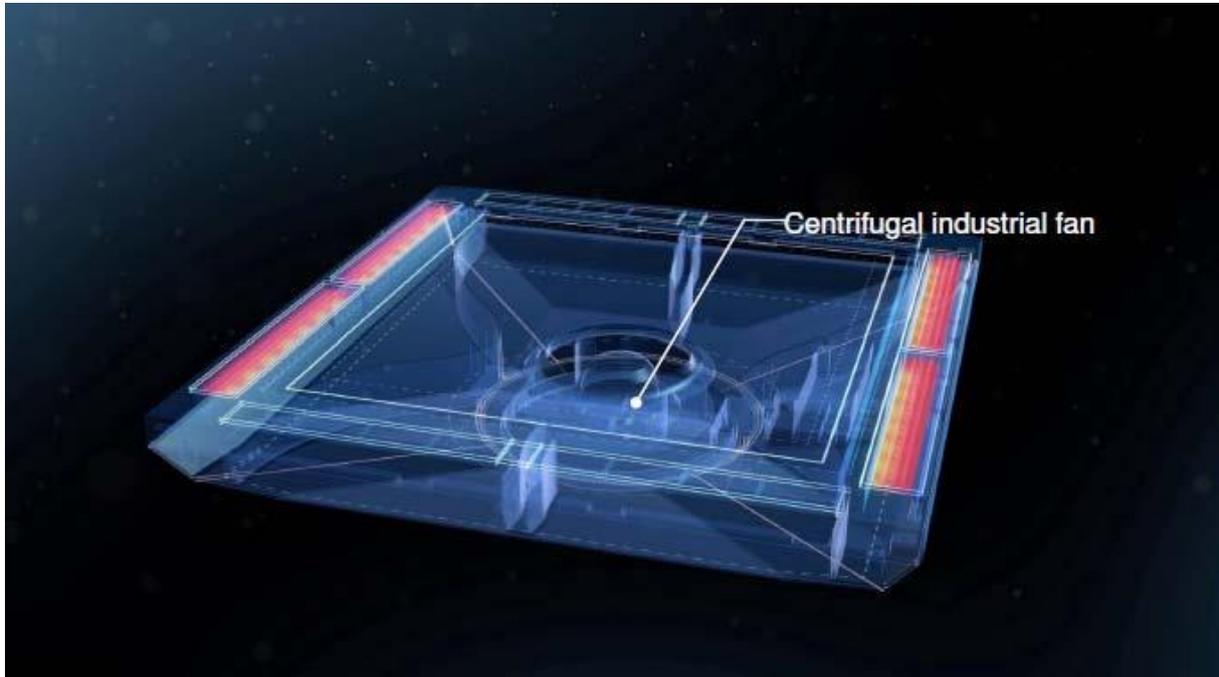
Occupying little space

Input Voltage: AC 220 V – 240 V

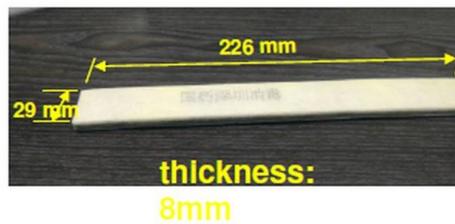
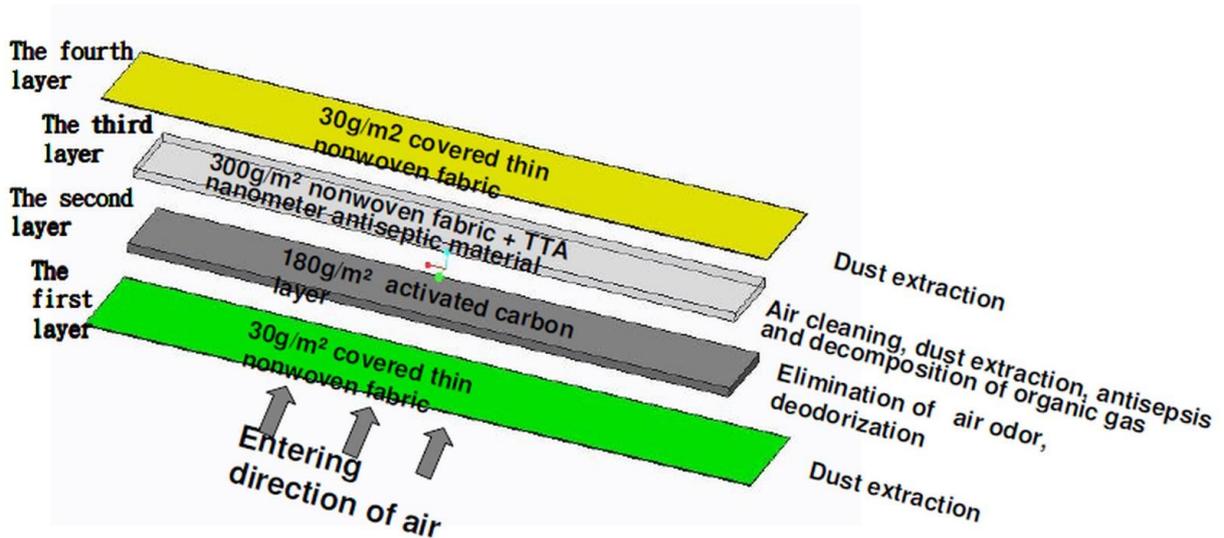
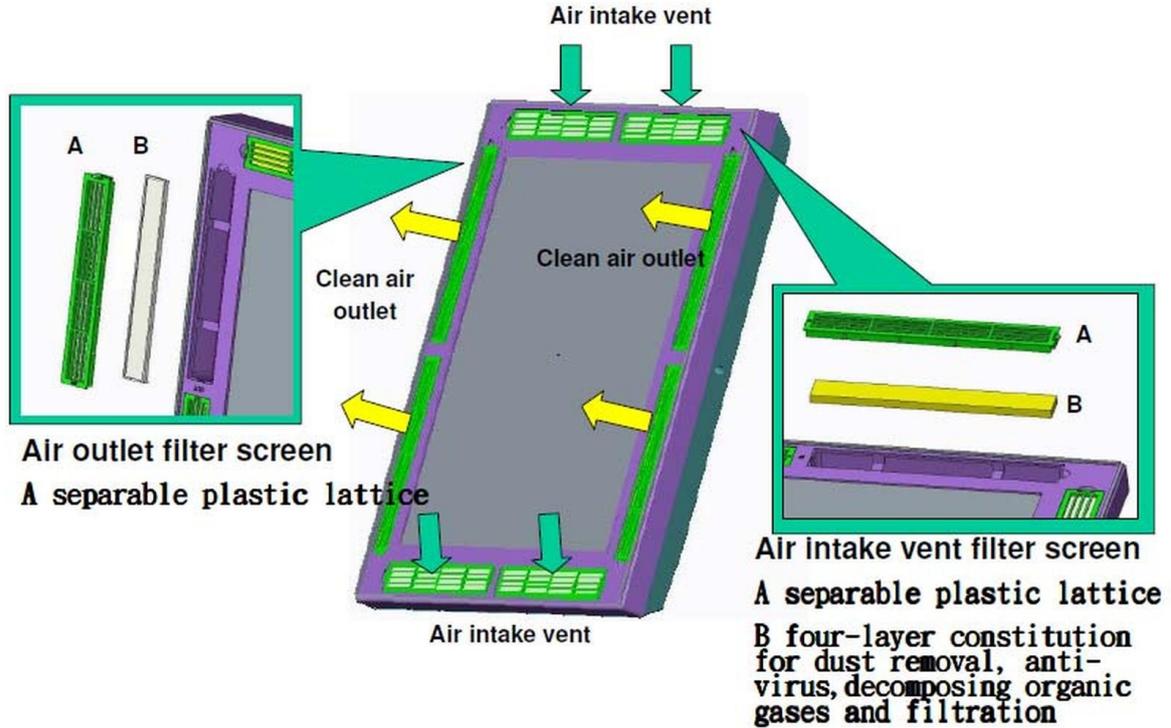
Dimension: 598 x 598 x 120mm

Eliminating indoor TVOC concentration

Structural Description

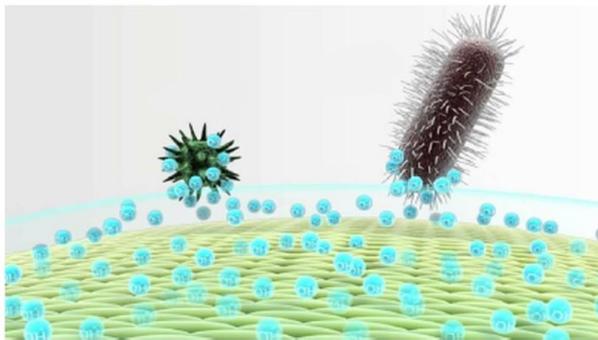
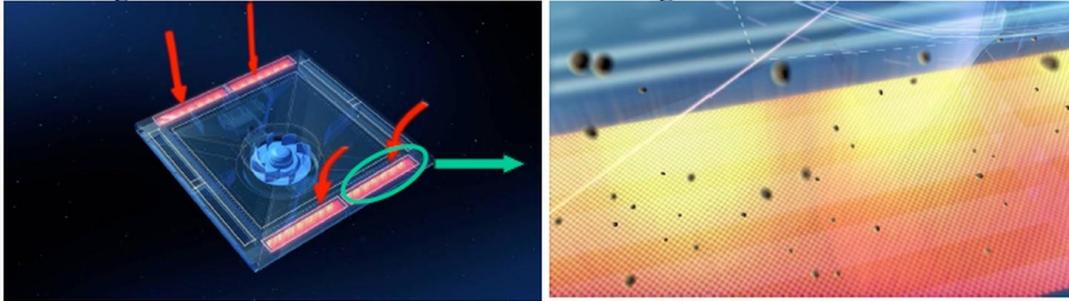


Air Circulating Filter Screen Description



Action Principle for Antiseptic and Anti-viral Effect

Three kinds of antiseptic and antiviral mechanisms, offer you 24H all-weather protection against bacteria and virus with/ without light



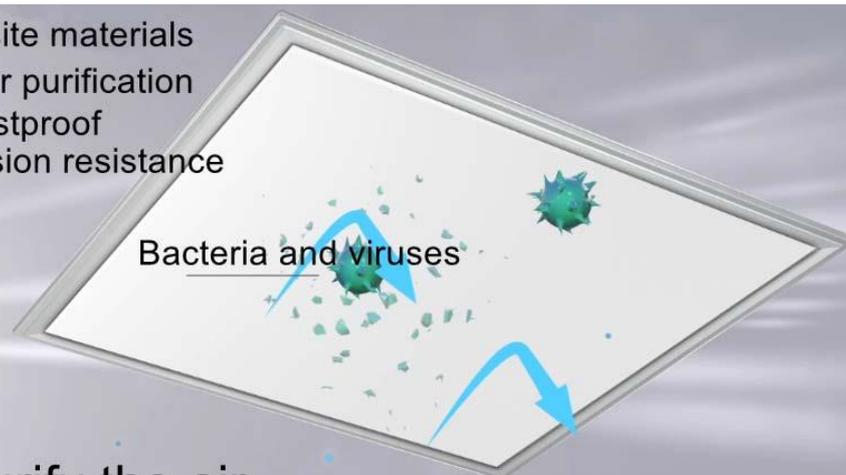
Silver ion reacts with hydrogen sulfide ion in bacteria and inhibits its reproduction

Produces superoxide free radicals and breaks down the bacteria

Material surface is with charges that pull the membranes of bacteria, cause rupture and bring bacteria to death

LED panel light surface antivirus and antiviral mechanism

New nano composite materials
 Self cleanliness, air purification
 Antifouling and dustproof
 Antirust and corrosion resistance
 Anti mildew



Effectively purify the air

Test and Verification for Anti-viral Effect of New Nanometer Compound Material

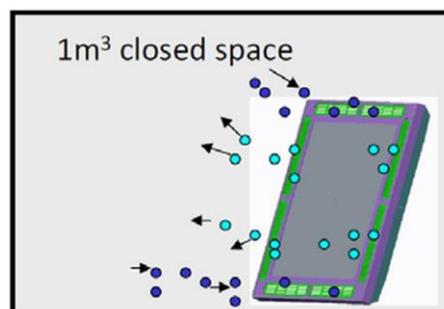
Classification	Type	Effect
virus	H1N1	99.99% of virus is eliminated after 20 minutes
	Enterovirus	99.99% of virus is eliminated after 20 minutes
	Respiratory mixed virus	Inhibiting ability reaches 90.0%
Bacteria	Superbug	Antiseptic rate after 24 hours >99%
	Tubercle	Inhabiting rate of tubercle >80.8%
	Pseudomonas aeruginosa	Antiseptic rate after 24 hours >99%
	Staphylococcus	Antiseptic rate after 24 hours >99%
	Colibacillosis	Antiseptic rate after 24 hours >99%
	White Candida	Antiseptic rate after 10 minutes >99%
	Pneumophilia	Antiseptic rate after 24 hours >99%
	Salmonella	Antiseptic rate after 30 minutes >99%
Microbe	5 common microbes	No microbe growing after 28-day culture
Environment	Formaldehyde	Antiseptic rate after 24 hours >99%
	TVOC	Antiseptic rate after 24 hours >96.4%
	ROHS	No Pb, Hg, Cd, Cr, PBB, PBDE

SGS Test Result

1. Antiseptic test for LED air-circulating panel light

Staphylococcus

24 hour antiseptic rate >99%



2. Formaldehyde decomposition test for LED air-circulating panel light

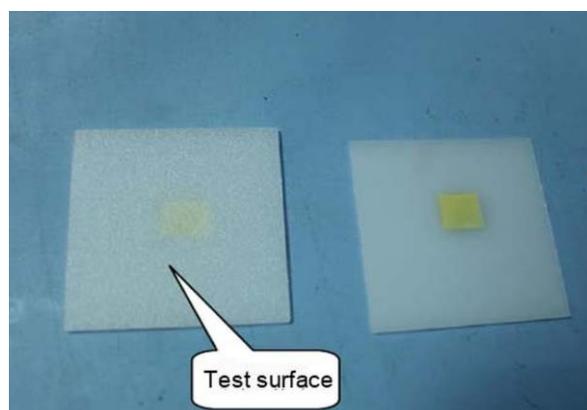
Decomposition and removal rate of formaldehyde reached 76.61% in an hour.

Time (min)	Concentration (mg/m ³)	Removal Rate
0	1.18	/
10	0.932	21.02%
20	0.715	39.41%
30	0.493	58.22%
40	0.396	66.44%
50	0.322	72.71%
60	0.276	76.61%

3. Antiseptic test for LED panel light

**Removal rate of staphylococcus and
escherichia coli reaches 99%**

**Shiny surface antiseptic test
(Nanometer material diffusion plate)**



Instructions for Replacement of Filters Screen

Working hours for filter screen	Three months(2160 hours when electrified)
Movement at the expiration of working hours	Fan power is turned off, Power supply of lighting system remains normal use LED indicator light shines
Replacement of filters	Conforming to instructions for filter change on the cover Open the filter mask, insert new filter screen, and cover the mask
Pressing RESET key	Press the button on the left side of LED light for 4 seconds LED light is switched off, and circulatory system power restarts Timer recalculates until next change hour is due .