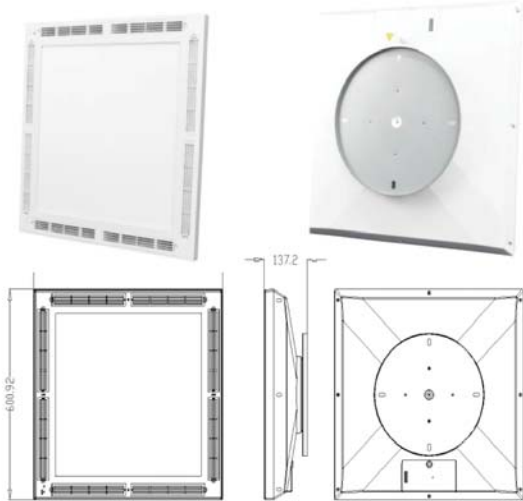


SANI-LED PANEL - 2*2 TROFFER W/ NANOTECH AIR PURIFICATION (UL-EPA-CE-SGS-RoHS)



Product Features

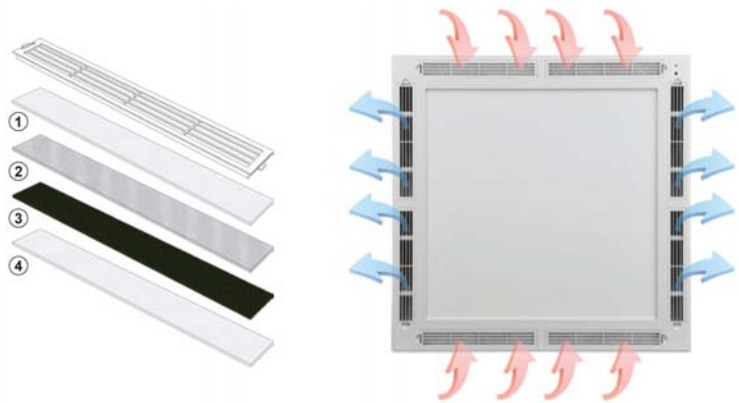
- Cleaning and Freshing air
- Automatically killing bacteria and virus in air
- Reducing the floating particles in air
- Eliminating the TVOC concentration in air
- Saving installation space
- Up to 110-130LM/W
- Input Voltage: 120-277Vac
- High-tech optical design
- Widely used for ambient lighting application
- Ambient operating temperature: -20°C to 50°C
- THD: <20%
- Power Factor > 0.95
- LED chip lifetime, L70 >100,000 hours @ 25°C
- Suitable for school, hospital, subway station, office, chain stores and etc.

CERTS: UL , EPA, SGS, CE, RoHS Warranty: 5 year limited

Filtration Details

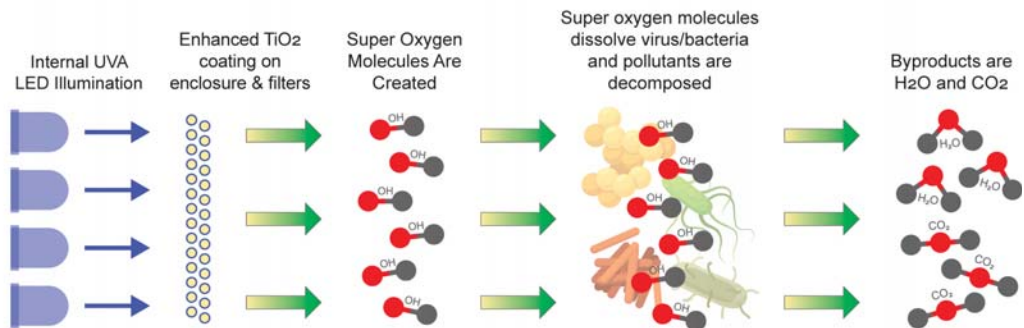
Four-Stage HEPA Filter System:

- Layer 1** PET filter blocks floating particles in the air
- Layer 2** Newly designed compound nanometer materials
Removes virus and bacteria from the air
Decomposition of formaldehyde and organic gases
Deeply cleans the indoor air
- Layer 3** Highly efficient activated carbon filter absorbs
and eliminates odor molecules
- Layer 4** PET filter purifies the air again



How It Works:

This system uses photocatalytic oxidation purification; the enclosure and filters are embedded with titanium dioxide that when exposed to UVA light (located in the filtration chamber) reacts with airborne contaminants and pathogens to oxidize them.



SANI-LED PANEL - 2*2 TROFFER W/ NANOTECH AIR PURIFICATION (UL-EPA-CE-SGS-RoHS)

Parameters

Model: LLNPTL2250-MV4/50KD1
 Power: 50W (35W LED, 15W FAN)
 Input Voltage: AC 120-277V
 Dim: 0-10V Dimmable
 Power Factor: ≥0.95
 Lumens: 4000LM
 Lumens Efficiency: ≥110Lm/W
 CCT:4000K/5000K/6000K
 CRI: >82
 Emergency: 15W/90mins(Optional)
 CADR: 202CFM
 Application Area: 300-500ft²
 Noise: <40dB
 Dimming: 0-10V
 Operating Life: 50000H
 Working Temperature: -20~50°C
 Size: 23.65"*23.65"*5.40"
 Net Weight: 16.8LBS
 Warranty: 5 year limited



Filters will be changed after working for 2160hrs when the indicator light is flickering. Using the pin to reset the timing counter.

Certifications

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

Classification	Type	Effect	Verification
virus	H1N1	99.99% of virus is eliminated after 20 minutes	H1N1
	Enterovirus	99.99% of virus is eliminated after 20 minutes	腸病毒
	Respiratory mixed virus	Inhibiting ability reaches 90.0%	呼吸道混合病毒



SANI-LED PANEL - 2*2 TROFFER W/ NANOTECH AIR PURIFICATION (UL-EPA-CE-SGS-RoHS)

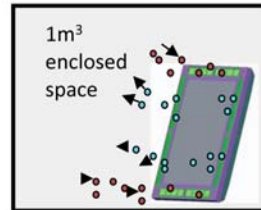
b. Test and Verification for Antiseptic Effect of New Nanometer Compound Material

Classification	Type	Effect	Verification
Bacteria	Superbug	Antiseptic rate after 24 hours>99%	超級細菌
	Tubercle	Inhabiting rate of tubercle>80.8%	結核菌
	Pseudomonas aeruginosa	Antiseptic rate after 24 hours>99%	綠膿桿菌
	Staphylococcus	Antiseptic rate after 24 hours>99%	葡萄球菌 大腸桿菌
	Colibacillosis	Antiseptic rate after 24 hours>99%	
	White Candida	Antiseptic rate after 10 minutes>99%	白色念珠菌
	Pneumophilia	Antiseptic rate after 24 hours>99%	肺炎軍人菌
	Salmonella	Antiseptic rate after 30 minutes>99%	沙門氏菌

c. Test and Verification for Organic Gas Decomposition

Classification	Type	Effect	Verification
Microbe	5 common microbes	No microbe growing after 28-day culture	菌菌
Environment	Formaldehyde	Antiseptic rate after 24 hours>99%	甲醛
	TVOC	Antiseptic rate after 24 hours>96.4%	TVOC
	ROHS	No Pb, Hg, Cd, Cr, PBB, PBDE	ROHS

d. Antiseptic Test for Air-circulating Panel Light



Specification referred to GB21551 (test space is revised as large as 1 m³)

- Inject Staphylococcus aureus by gas in 1m³ space
- Calculate value of natural colony ratio / formaldehyde concentration ratio before and after placing this fixture into the enclosed space
- As a clean antibacterial effect

SANI-LED PANEL - 2*2 TROFFER W/ NANOTECH AIR PURIFICATION (UL-EPA-CE-SGS-RoHS)

e. Air-circulating Panel Light Formaldehyde Decomposition Test

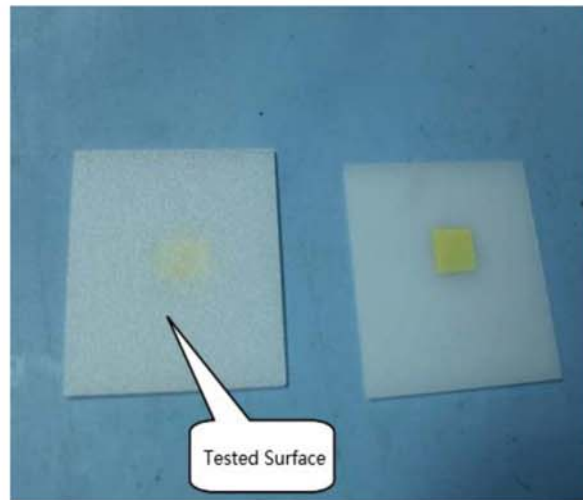


Test time (min)	Formaldehyde concentration(mg/m3)	Removal rate
0	1.18	/
10	0.932	21.02%
20	0.715	39.41%
30	0.493	58.22%
40	0.396	66.44%
50	0.322	72.71%
60	0.276	76.61%

Pass the SGS lab test

- Conduct the experiment according to national standard GB18801-2015
- Use 30-cubic meters experimental chamber
- **Decomposition and removal rate of formaldehyde reaches 76.61% in an hour**

f. Antiseptic Test for Panel Light



Shiny Surface Test(expanded)

Pass the SGS lab test

- Conduct the experiment according to national standard QB/T2591-2003
- **Removal rate of staphylococcus reaches 99%**