

Air purification for life



LIGHTAIR 
Air purification for life

It's all about clean air

LIGHTAIR develop products that combine efficiency, design, functionality and ease of use in order to provide you with healthier indoor air quality.

Lightair IonFlow 50 offers an outstanding combination of efficient, filter-free, silent, ozone free, energy efficient, easy to use and economical operation that is at home in any environment - a perfect balance between blending in and standing out. The clean lines, slim silhouette and transparency offer you a stylish alternative to typical industrial looking air purifiers. Lightair IonFlow 50 will nicely be part of your home, office, hotel, restaurant, school, shop, clinic and more.

Lightair now helps a growing number of people suffering from asthma, allergies, COPD and other health problems such as fatigue, headache and concentration difficulties – which often stem from unhealthy indoor air quality.



Unbeatable consumer benefits

Effective

Effectively removes airborne particles from dust, smoke, pollen, bacteria, virus, mould pet allergen and more. It is especially effective in eliminating the smallest particles that are considered to be most dangerous to our health.

Filter-free

No expensive filter to replace instead a reusable collector that you easily wash clean in water and washing-up liquid when needed.

Silent

Less than 5 dB. For reference; a level of 45 dB indoors is identified as preventing activity, causing interference and annoyance. Most other air purifiers have a noise level of 35-80 dB.

Energy efficient

Uses less than 7W per hour, which is much less than most other air purifiers. The energy consumption is highly relevant as all air purifiers should be turned on at all times to efficiently keep the particle concentration down.

Ozone free

The ozone level is not even measurable and thus considered to be equal to zero. This is the first time, as far as we know, that anyone has managed to obtain a high emission of negative ions without producing ozone as a bi-product!

Award winning design

An object of desire! Lightair IonFlow 50 has earned several prestigious design awards, among others the International Design Excellence Awards (IDEA). It offers you a stylish alternative to typical industrial looking air purifiers.



LIGHTAIR IonFlow 50 leaves the air clean and healthy 24 hours a day!

Easy to use, assemble & maintain

Just plug in and let it work for you around the clock. Only four main parts to assemble and no moving parts that can break down! The collector that attracts the particles is easily removed and cleaned with water and washing-up liquid when needed.

Compact

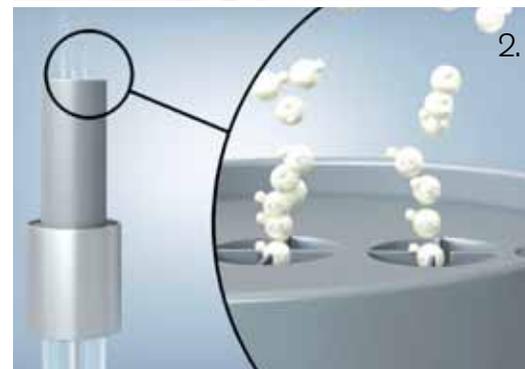
Small & moveable. Fits into any environment.

Environmentally friendly

Lightair strives to respect the environment at all stages of the product life cycle.

How it works

1. The indoor air is full of particles that come from yourself, your surroundings and your daily activities such as bacteria, virus, mold, pollen, car exhaust, dust, etc.
2. Lightair IonFlow 50 generates billions of electrons per second that transforms into negative ions.
3. The negative ions charge the particles in the air negatively.
4. Once the particles have been negatively charged they are attracted by the positively charged collector which essentially acts like a large magnet for dirt. IonFlow 50 is especially effective in removing the smallest particles in the air, which are considered the most hazardous to our health.
5. When necessary, the collector can be easily removed, rinsed in water and then reused.



Lightair leaves the air clean and healthy

LIGHTAIR effectively removes particles in the air and is especially efficient in removing the smallest particles that are considered to be the most hazardous to our health.

Small particles, below the size of 2.5 micron (PM2.5) and even more below 1 micron, are inhaled deeply into our lungs, entering our blood stream bringing also other substances into our body. More over approximately 90% of all particles in the air are below 2.5 micron and can because of their size stay airborne for a very long time. These particles are today considered to be a major cause of heart-and vascular disease, different forms of cancer as well as a serious aggravating factor to allergy and asthma reactions. Also less serious symptoms such as headache, fatigue, etc are the result of high concentration of small particles in the air.

Bacteria/Virus



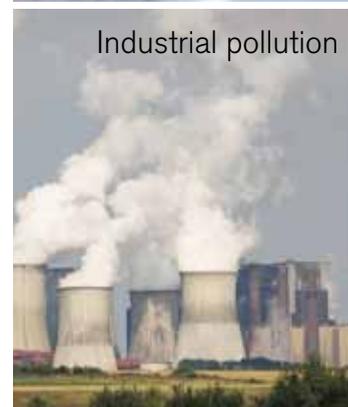
Pet allergen



Smoke



Traffic pollution



Industrial pollution



Mold



Pollen

IonFlow 50 Signature

dimensions

7,5x26 inches/19x66 cm

weight

6,2 lbs/2,8 kg

mounting

Floor



IonFlow 50 Signature utilizes the exquisite design form from Style, but with a new sophisticated appearance with natural amber color and a wood grain finish that will be a stylish solution for classic homes. The discreet amber decoration light gives a warm and classy feeling. Signature share the same fantastic performance and features as Style, Surface and Sky, efficiently eliminating the smallest and most harmful particles that cause the most severe health problems. Signature offers a cleaner and healthier air in an unbeatable combination of efficient, silent, ozone free, energy saving and easy to use, economical operation for every classic home in the world!

IonFlow 50 Style

dimensions

7,5x26 inches/19x66 cm

weight

6,2 lbs/2,8 kg

mounting

Floor



IonFlow 50 Style delivers with an eye catching beauty cleaner and healthier air! Third party tests shows that it effectively removes the smallest particles that cause the most severe health problems. Style offers an unbeatable combination of efficient, silent, ozone free, energy saving and easy to use, economical operation that is at home in any environment independent of life style or interior design - a perfect balance between blending in and standing out. Place it on the floor or on a low side table!

With its handmade transparent acrylic stand Style has clean lines and a slim silhouette that offer consumers a stylish alternative to industrial looking air purifiers. It has been awarded prestigious international design awards such as Elle Décor Rising Star Award, International Design Excellence Award (IDEA) and Design Defined.



IonFlow 50 Surface

dimensions

7x22 inches/18x56 cm

weight

5,7 lbs/2,6 kg

mounting

Floor/table

IonFlow 50 Sky

dimensions

5x14 inches/13x35 cm

weight

3,5 lbs/1,6 kg

mounting

Ceiling

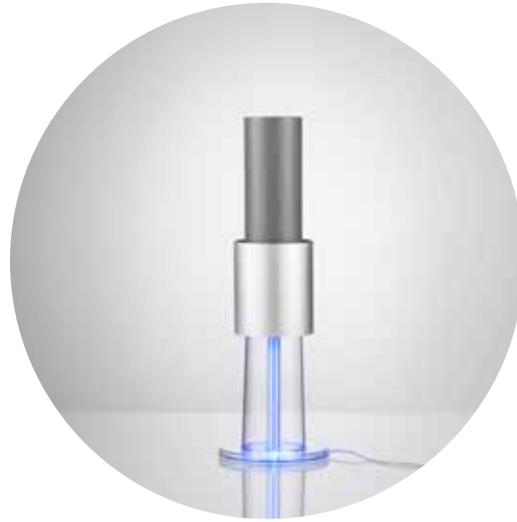
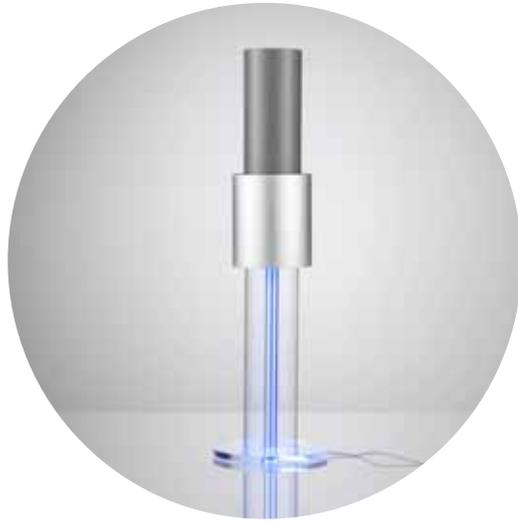
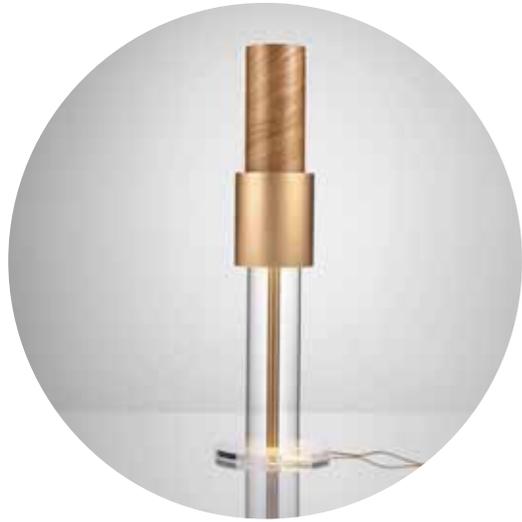


IonFlow 50 Surface stylishly delivers cleaner and healthier air! It share the same excellent performance and features as Style, Sky and Signature, efficiently eliminating the smallest and most harmful particles that cause the most severe health problems. Surface offers an unbeatable combination of efficient, silent, ozone free, energy saving and easy to use, economical operation.

Lightair revolutionizes the portable air purification industry by featuring technological functionality and sustainable manufacturing together with stylish design. Surface is a great example of how you can combine manufacturing and style. With its transparent molded stand that is approx. 4 inches/10 cm shorter than the Style stand it fits perfect on a table, on your work desk or even on the floor.

IonFlow 50 Sky is the ultimate compact ceiling mounted air purifier that in efficiency is comparable to the best HEPA filter based air purifiers on the market! Sky however do the job without the noise, high energy consumption and need to change expensive filters. Sky offers an unbeatable combination of efficient, silent, ozone free, energy saving and easy to use, economical operation that is perfect for areas with limited space. Also, it is very suitable for environments where you want the air purifier off the floor and furniture such as for schools, nurseries, clinics, etc.

Product specifications



IonFlow 50 Signature

IonFlow 50 Style

IonFlow 50 Surface

IonFlow 50 Sky

7,5x26 inches/19x66 cm	dimensions	7,5x26 inches/19x66 cm	7x22 inches/18x56 cm	dimensions	5x14 inches/13x35 cm
6,2 lbs/2,8 kg	weight	6,2 lbs/2,8 kg	5,7 lbs/2,6 kg	weight	3,5 lbs/1,6 kg
Floor	mounting	Floor	Floor/table	mounting	Ceiling
540 sq ft/50 m ²	room size	540 sq ft/50 m ²	540 sq ft/50 m ²	room size	540 sq ft/50 m ²
7W	energy consumption	7W	7W	energy consumption	7W
5dB	noise level	5dB	5dB	noise level	5dB
0 ppm	ozone	0 ppm	0 ppm	ozone	0 ppm
Yes	decoration lights	Yes	Yes	decoration lights	No
Yes	protective guard	Yes	Yes	protective guard	No

IonFlow 50 at a glance

1. Ion generator & corona needles

The ion generator is the heart of the IonFlow 50 with its patented technology that enables an efficient reduction of the smallest and most harmful particles. The enormous amount of negative ions is generated from the three corona needles situated on the ion generator.

2. Collector

The positively charged aluminum collector attracts the negatively charged particles and leaves the air clean. Since the collector is easily cleaned in water there are no expensive filters to replace.

3. Protective guard

If you are worried that you or those around you may find the mild and harmless electric charge unpleasant when touching the collector you can use the protective guard. Please note that this is not required from a safety perspective. Lightair has all certifications needed according to international standards.

4. Decorative lights

The decorative LED-lights of model Style, Surface and Signature are independent of function and can be turned on/off at any time. The product is delivered with blue lights, but you can buy additional colors and thereby easily change into green, red or white depending on season, mood and interior decoration.

5. Stand

The Style and Signature models are supplied with a taller hand-made and perfectly cylindrical stand in transparent acrylic. It has a high design effect and stylish appearance. The Surface model has a shorter molded stand in flawless transparent plastic. With its more compact form it fits perfectly on a tables.



IonFlow 50 in use

Home

We spend approx 50% of our time at home including the vital hours of sleep every day! A healthy home environment is therefore fundamental for our long term health. Our home environment contains many sources of pollution, which derive clothes, carpets, furniture, pets, cooking, outdoor vehicle and industrial pollution as well as residue from ourselves such as hair, skin, bacteria, virus and more. Lightair IonFlow 50 is small and compact to fit well into every home and is a great investment for a good night sleep!

Workplace

We spend approximately 40% of our time at work! Often there are many people at a limited space all producing and carrying pollution particles that can jeopardize our health. Add different sorts of workplace related pollution particles from machines, computers, product handling process, etc. In most parts of the world we have a growing problem of people reporting sick leave costing companies and society money. Part of this is due to poor indoor air quality. Lightair IonFlow 50 can be part of solving this problem and help you stay healthy and efficient at work!

Public

The number of children suffering from asthma and allergies is steadily rising. Their undeveloped immune system cannot resist the amount of harmful pollutants that they are exposed to on a daily basis. Groups are often large and lessons long and many times in old buildings with poor ventilation or sick building syndrome. Also schools and nurseries are perfect places for spreading virus and bacteria. Similar conditions exist in retirement homes and other public areas. Lightair IonFlow 50 protects children from an unhealthy environment and reduces the risk of allergy and asthma!

Hospitality

Hotels, restaurants, gym, spa's, etc are meeting points where guests and staff are exposed to a steady infusion of pollution particles. It is essential for these establishments to offer the best experiences possible. Lightair IonFlow 50 can provide a great added value for every guest, visitor or employee.



Medical

Medical environments such as medical and dental clinics, laboratories, etc have a high exposure to bacteria and virus. Patients, staff and visitors are at higher contamination risk than normal. Also the staff comes in constant contact with chemicals and allergens in their every day work. Lightair is great for doctor's office, examination rooms and waiting rooms to reduce the contamination risk for staff, patients and visitors.

Industry

There are many areas of industry that either suffer from polluted indoor air or are in need of a sterilized environment. Often the sources of pollution are many and severe and it can therefore be necessary to install several air purifiers to control the indoor air climate. Examples of industrial environments that might be in need of air purifiers are food storage, production facilities and warehouses.

Documented performance

Lighair IonFlow 50 – Innovative technology with top performance

LIGHTAIR IonFlow 50 is based on a revolutionary and unique technology and is showing remarkable performance in particles reduction tests of different kinds. The extraordinary performance is mainly due to the ability to generate enormous amount electrons forming a corresponding quantity of negative ions and to efficiently collect particles from the air. As far as we know no other air purifier has never before reached this high number of negative ions without serious side effects such as generation of dangerous amount of ozone.

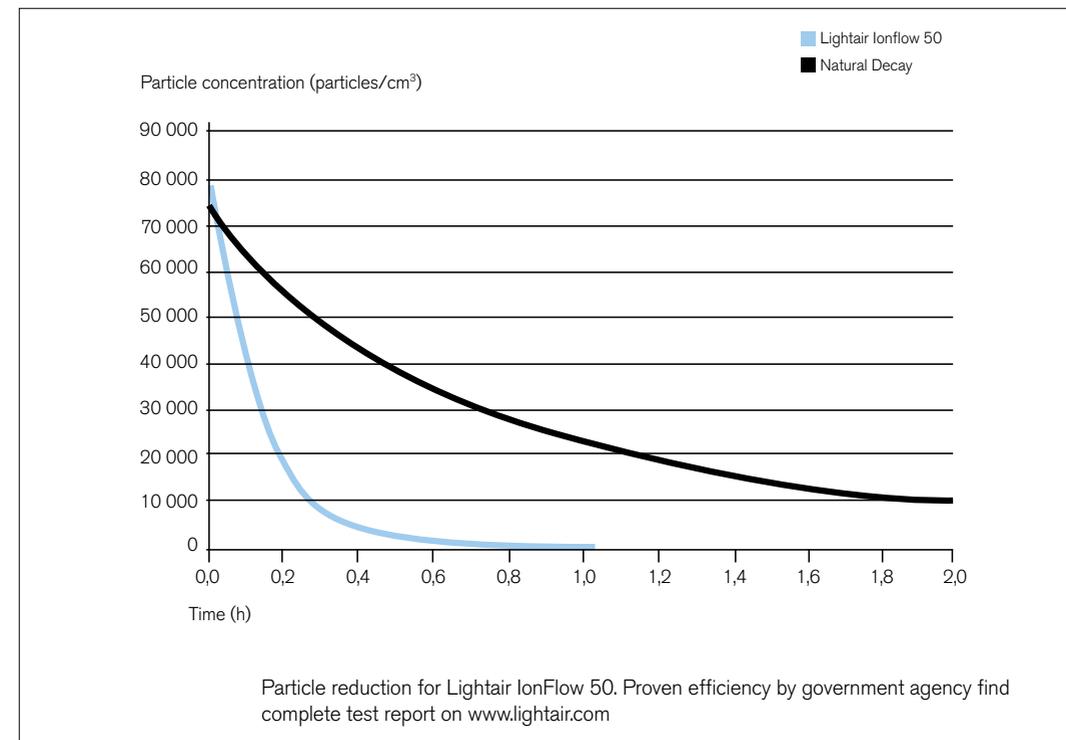
Compared to traditional air purifiers Lightair is not moving air through a filter to catch the particles, but instead it is moving the actual particles out of the air to a collector with only the natural airflow in a room.

Swedish National Testing and Research Institute (SP) – Particle reduction test

SP (Part of the Swedish Government, Ministry of Industry) has tested a number of the market leading air purifiers in regards to their particle reduction performance of small particles. The test verifies that Lightair IonFlow 50 efficiently removes practically all airborne particles. It is actually as good as one of the best HEPA filter based air purifier, but without the noise, energy consumption and expensive filter change!

The first ozone free ionizer

Test reports from several third party governmental testing institutes such as SP in Sweden and VTT in Finland has proved the IonFlow 50 to be ozone free. Ozone has always been a side effect of



ionization meaning the higher ion generation the higher the ozone level. This has resulted in inefficient ionizers in order to respect the threshold value of ozone. Lightair is as far as we know the only one who have been able to solve this problem and can attain an extremely high amount of negative ions without any ozone!

Negative ions – Proven positive health effects

Besides the air cleaning capacity of the Lightair purifier, it creates an environment with very high quantities of negative ions in the air. French physicist J Bricard discovered the relation between the electric state of the air and its micro pollution as early as the 50's. The physical law of Bricard is simple: Low concentration of negative ions in the air equals pollution. High concentration of negative ions equals healthy air. There has been extensive research conducted in many fields of science of the general effects of negative ions. The results show a large number of positive effects on overall health.



Clean versus dirty collector. The dirty collector is photographed after 2 weeks in the city center of Stockholm, Sweden.

Lightair testing philosophy

Being different, innovative and pioneers our IonFlow technology often doesn't fit into the standardized and conventional testing procedures made for traditional filter based air purifiers. Just the fact that we don't create an airflow cause immense problems in these tests. This however doesn't mean we can't clean the air!

We believe third party test results shall have a sufficient level of quality and objectivity to satisfy someone in charge of hygiene in hospitals and clinics or be relevant to the scientific community in general. Consequently all test reports must be openly published, like any regular scientific paper, in order to be considered valid and reliable. We will do our utmost to stick to this concept.

Lightair aims to improve people's health and comfort by offering the best indoor air quality products possible for every environment.

About Lightair

Benefit from 25 years of extensive research

LIGHTAIR was founded in 2004 in Stockholm, Sweden, through a joint venture between Swedish Vitalair and Swiss Purocell. This constellation forms a solid foundation based on more than 25 years of experience within air cleaning.

The company controls two patented technologies, IonFlow and CellFlow. This revolutionary technological tool box creates invincible possibilities to quality applications that will improve indoor air quality in environments like households, offices and schools as well as laboratories, high-tech industry, food production and entire buildings.

Lightair stands for innovation, quality and design. Through extensive and ongoing research we work to develop efficient, functional and well designed applications.

Today

Lightair has established successful distribution in Europe, Asia and North America and is now working on development of new innovative and stylish products whilst growing larger on every market.



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