Smoke purification with LifeLite® SunnyAir

The SunnyAir lamps combine the advantages of full spectrum daylight with the refreshing, air purifying effect of negative ions.

LifeLite® SunnyAir is:
- ideal for rooms polluted with dust particles, odours, tobacco smoke or pollen.
- dependent on the amount of smoke or fine dust particles in the air, 1-3 SunnyAir ionisers are required per 25 m³.
- tests at the laboratory of Dr. Bolst in Germany showed that at 100mm the concentration of negative ions is greater than 6,000,000 per cm³.
- SunnyAir lamps are available in 23W, 25W and 32W with screw or bayonet fitting.

Imagine the happy feeling of wellbeing in a sunny environment with a high concentration of negative ions - for example, by the sea, near a waterfall, in a forest or up mountains. Enjoy the energising brightness of LifeLite® full spectrum daylight in clean air every day.

www.lifelite.de

Enjoy the many benefits of full-spectrum daylight lamps
Save 75% on your energy costs, compared with incandescent bulbs
Reduce your CO₂ emissions
LifeLite® is also available with an integrated ioniser to purify the air
Full-spectrum daylight lamp with ioniser

Imagine the euphoric feeling of wellbeing in a sunny environment with a high concentration of negative ions.
...such as by the sea

... near a waterfall
... in woodland and mountains

What are negative ions?

Negative ions, also known as anions, are particles with a negative electrical charge. In nature, negative ions are produced by storms or waterfalls, near the sea, by vegetation (woodland), in mountain areas, following a shower of rain etc.

Among other things, they purify the Earth’s atmosphere.

The feeling of wellbeing that we get when we are near to a waterfall or surf can partly be explained by the large number of negative ions in these environments. The quality of the air we breathe is highly influenced by the number of ions it contains:

- Large waterfalls: >100,000/cm³
- Woodland / mountains: >70,000/cm³
- By the sea: >5,000/cm³
- Land / vegetation: 1.000 – 2.000/cm³
- Large towns: about 200/cm³
- Closed rooms: about 100/cm³
- Air conditioned rooms: 0 – 25/cm³

Minimum requirement for a healthy environment: 1.000 – 2.000/cm³

The higher the number of anions, the cleaner, fresher and healthier the air.
Beneficial to people, animals and plants

The concept of combining the well-tried and proven LifeLite® Sunny full-spectrum lamps with revolutionary anion technology opens up the possibility of achieving a higher quality of life and wellbeing in every room in which we live or work.

And all this with a saving of 75% of the energy required by traditional incandescent light bulbs.

Almost all pollutants such as dust particles, tobacco smoke, odour particles, pollen, bacteria, germs and other spores (mould) etc carry a positive charge. They are neutralised by the negative ions and thereby rendered harmless. Another advantageous effect is the reduction in static electricity.

In LifeLite® lamps the negative ions are produced by a special carbon brush that is integrated into the lamp socket and uses the latest technology, based on the corona discharge principle. An electrical charge stimulates the tips of the precisely insulated fibres of the carbon brush to produce negative ions.

LifeLite® SunnyAir lamps are ideal for rooms where the air is polluted by dust particles, odour, tobacco smoke, pollen, etc. If necessary, the carbon brush and the lamp may be cleaned with a soft dry brush.
Please note: switch off the power supply before cleaning!

Power output of LifeLite® SunnyAir ioniser lamps

LifeLite® SunnyAir lamps produce more than 3,000,000 negative ions per cm³, measured at a distance of 20 cm.
Ozone concentration: <0.01 ppm

<table>
<thead>
<tr>
<th>LifeLite</th>
<th>Lumen</th>
<th>Length</th>
<th>Ø</th>
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</thead>
<tbody>
<tr>
<td>23W = (100W incandescent lamp)</td>
<td>1170</td>
<td>156 mm</td>
<td>60 mm</td>
</tr>
<tr>
<td>26W = (120W incandescent lamp)</td>
<td>1300</td>
<td>158 mm</td>
<td>60 mm</td>
</tr>
<tr>
<td>32W = (130W incandescent lamp)</td>
<td>1600</td>
<td>166 mm</td>
<td>66 mm</td>
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Fitting: E27 screw fitting.
B22 bayonet fitting available from January 2008.
How many LifeLite SunnyAir ioniser lamps are needed in a room?

Under normal conditions, one ioniser is sufficient for about 10 m² in living areas and offices. Where there is a higher level of microbial dust pollution, e.g. from tobacco smoke, a correspondingly greater number of ionisers is required, up to 4 per 10 m².

Even in larger rooms it is also sensible to use single LifeLite SunnyAir ioniser lamps, e.g. for desk lighting, which will allow you to achieve both an improvement in the air you breathe and full-spectrum daylight-quality lighting in the areas where you work.

Studies on the effectiveness of negative ions in room air

A study by the University of Surrey in Guildford, England, in 1978 showed that the subjects were able to concentrate for longer and perform at significantly higher levels (with improvements of up to 45 %) as a result of the influence of the negative ions in the room air.

A long-term study at the same university in 1982 showed a significant reduction (75 %) in headaches and illness among employees working in a typical office building, as a result of negative ionisation of the room air. In this case the concentration of negative ions was only 2,000 per cm³.

The spectrum, colour temperature and colour rendering of LifeLite lamps are based on those of sunlight. 
(See the spectral analysis chart on the following page)

Enjoy the refreshing brightness of LifeLite® full-spectrum daylight in clean air every day
Spectral analysis

For further details and to watch the LifeLite video, please visit our website: www.lifelite.de