

Light is protecting AirZing™ UV-C light purifier

- Generates 253.7nm UV light, which is ideal for highly effective sterilization and purification
- Proven technology destroying up to 99.9% of the microorganisms
- Specially designed OSRAM ballasts to optimize performance of OSRAM HNS UV-C lamps
- Equipped with IR sensor to shut system down when people are detected entering the UV workspace
- 30-second-delayed start to enhance operational safety
- Ozone-free emissions
- 360 degrees coverage area

Light is OSRAM

OSRAM

UV-C: A proven technology for sterilization and purification

Globalization and increased travel brings more attention to global public health. Many scientific research institutions and pharmaceutical enterprises are working hard on providing solutions for tackling such challenges. UV-C radiation generated by high-energy UV-C lamps moves at a wavelength range between 200 – 280nm, which is very versatile and can be used for disinfecting water, destroying harmful micro-organisms in other liquids, on surfaces, on food products and in air. With UV-C technology it is possible to destroy more than 99.99% of all pathogens within seconds, without adding chemicals, without harmful side effects and an inexpensive solution that is highly efficient and reliable.



UV-C can destroy most of microorganisms

The cell nucleus of micro-organisms (bacteria and virus) contain thymine, a chemical element of the DNA/RNA. This element absorbs UV-C light at a specific wavelength of 253.7nm and changes to such an extent (formation of thymine dimers) that the cells are no longer capable of multiplying and surviving.

- UV-C (253.7nm) penetrates the cell wall of the microorganisms
- The high energy photons of the UV-C are absorbed by the cell proteins and DNA/RNA
- UV-C damages the protein structure causing metabolic disruption
- DNA/RNA is chemically altered so organisms can no longer replicate
- Because microorganisms are now unable to metabolize or replicate, the UV-C light has effectively and safely sanitized the UV-C workspace area.

Safety warning

- This product emits UV-C light during operation. Always avoid direct or reflected UV-C light exposure to eyes or skins of humans and animals.
- Keep humans and animals out of the operation space when this product is in service.
- This product is intended for indoor air purification purposes only and may not be used for any general lighting application.
- The product is not suitable for cleaning, disinfection or sterilization of medical devices.

For further details please observe the user manual.



AirZing™ UV-C light purifier

OSRAM HNS® UV lamp

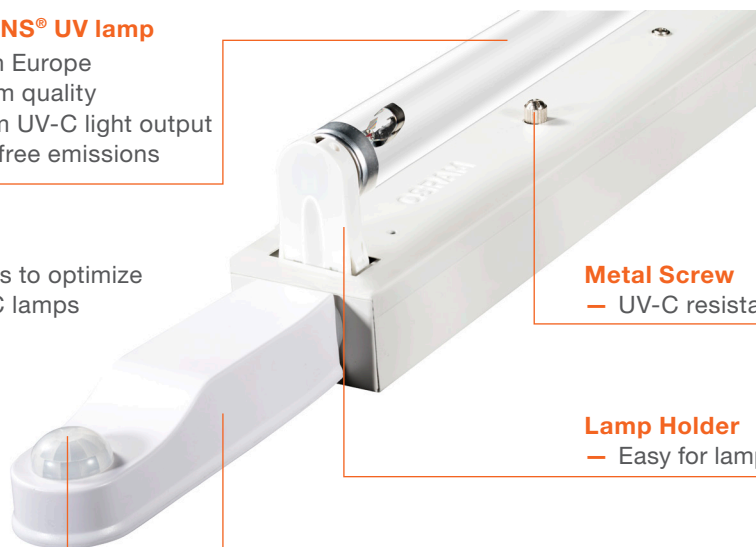
- Made in Europe
- Premium quality
- 253.7nm UV-C light output
- Ozone-free emissions

Integrated Ballast

- Specially designed OSRAM ballasts to optimize performance of OSRAM HNS UV-C lamps

IR Sensor – Safety Kit

- 30s delayed start
- IR sensor switches off the lighting system immediately when it detects people coming into the UV workspace
- Coverage area between 80-150m², depending on installation height



Metal Screw

- UV-C resistant coating

Lamp Holder

- Easy for lamp installation

Special Plastic Housing

- UV-C resistant coating

Application guidelines

This linear fixture can be ceiling or wall mounted with an installation height measured from the floor between 2.5 and 4m. Cycle time to run fixture if the workspace is:

PRO 5040

The coverage area of one set of fixture is 15-20m²

- <10m², 30 mins is recommended
- 10 - 15m², 45 mins is recommended
- 15 - 20m², 60 mins is recommended

PRO 5030

The coverage area of one set of fixture is 12-15m²

- <8m², 30 mins is recommended
- 8 - 12m², 45 mins is recommended
- 12 - 15m², 60 mins is recommended

If the space is larger than above mentioned area, we suggest to use multiple fixtures, The layout can be adjusted according to interior design.

UV-C technology can be used in ...



Event/Backstage



Office/School



Hospital



Gym/Fitness Center



Mall/Restaurant



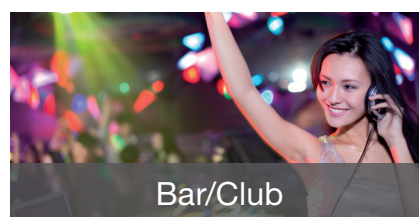
Cinema



Factory/Plant



Bus/Train Station



Bar/Club

AirZing™ PRO



Product Name	AirZing™ PRO 5030	AirZing™ PRO 5040
Input Voltage	220 V~240 V, 50/60 Hz	220 V~240 V, 50/60 Hz
Input Current	0.16 A	0.19 A
Output Current	360 mA	430 mA
Power Consumption	34 W	40 W
lamp Wattage	30 W	36 W
Power Factor	> 0.9	> 0.9
THD	< 20%	< 20%
UV-C Output (253.7nm)	11-12 W	14-15 W
Initial UV-C Irradiance	>1.2 W/m ² @1m	1.4 W/m ² @1m
UV-C Irradiance @ 9000 h	>0.96 W/m ² @1m	1.10 W/m ² @1m
Lamp Lifetime	9,000 h	9,000 h
Relative Humidity	≤80%	≤80%
Dimension	L1058mm/W54mm/H78mm	L1363mm/W54mm/H78mm
Weight	1.3 kg (net)/1.9 kg(package)	1.5 kg (net)/2.2 kg(package)
Operational Temperature	-10 °C ~ 40 °C	-10 °C ~ 40 °C
Storage Temperature	-20 °C ~ 60 °C	-20 °C ~ 60 °C

Efficient 99.9% Sterilization efficiency	Precise 253.7nm UV Wavelength	Premium 0 Ozone-free Emission	Powerful 360° Coverage Area	Smart IR Sensor
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More of PURITEC® HNS® UV-C lamps

The core of AirZing™ are OSRAM PURITEC® HNS® germicidal lamps which are powerful components that may be used in a wide range of applications, such as:

Water purification and cleansing

- Private households
- Water dispensers
- Community water works
- Mobile stations (camping, outdoor activities)
- Swimming pools
- Ultra-pure water systems
- Ponds and aquariums
- Fish farms
- Food processing factories
- Sewage systems
- Designed to perform best within the fixtures of all major manufacturers

Air purification

- Hospitals
- Doctors' practices
- Clean rooms
- Offices with or without air-conditioning systems
- Cars
- Storage rooms
- Food processing
- Rooms with frequent public access
- Animal stalls

Surface sterilization

- Hospitals and other aseptic zones
- Health care
- Food and pharmaceutical industry



Find out more information about AirZing™ and our UV-C lamps

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