

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/W64mm/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
--	---	---	---	------------------------------

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

OSRAM GmbH

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89-6213-0
Fax +49 89-6213-2020
www.osram.com

OSRAM

Light is protecting

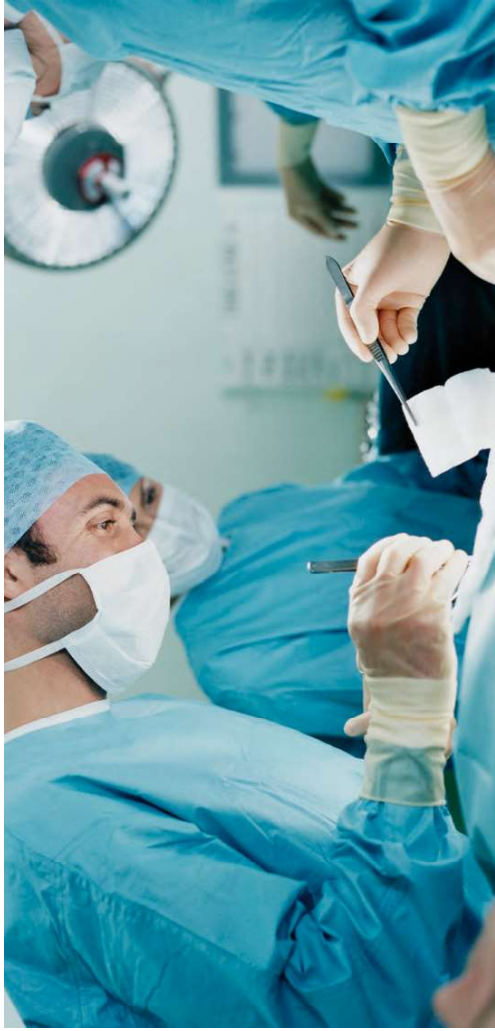
AirZing™ UV-C light purifier

- 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



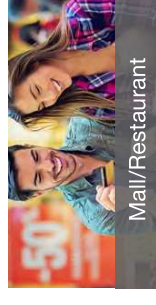
Gym/Fitness Center



Factory/Plant



Office/School



Mail/Restaurant



Bus/Train Station



Hospital



Cinema



Bar/Club

AirZing™ UV-C light purifier PRO 5040

朗诺 紫外杀菌装置 专业版5040



产品名称 Product Name	朗诺 紫外杀菌装置 专业版5040 AirZing™ UV-C light purifier PRO 5040
产品编码 Product Code	4062172152655
额定电压 Input Voltage	220~240V, 50/60Hz
电源电流 Input Current	0.19A
额定功率 Power Consumption	40W
外形尺寸 Dimension	L1363mm/W54mm/H78mm
安装高度 Installation Height	2.5M—4M
工作温度 Operational Temp.	-10°C ~ 40°C ¹⁾
存储温度 Storage Temp.	-20°C ~ 60°C
相对湿度 Relative Humidity	≤80%

1) 如室内工作环境温度超过35°C，可能引起红外感应装置探测灵敏度降低。

1) IR sensor might get less sensitivity once the room temperature exceeds 35°C

2) 红外感应装置关闭紫外杀菌装置后，不会自动重启，需人工开启。

2) Once the system is switched off by IR sensor, it will not be switched on automatically, it needs to be turned on manually.

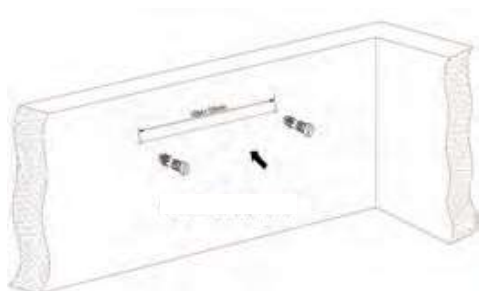
OSRAM

安装说明 INSTALLATION INSTRUCTIONS

拧松盖板紧固螺丝，取下盖板
Loose screws to remove the cover plate



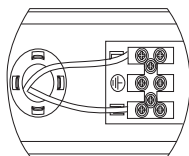
取出壳体内部的灯头，卡入壳体两端的卡槽
Relocate the lamp holders from the casing and fix them into grooves at both ends of the casing



在预定安装位置钻孔，埋入M4螺丝塑料膨胀管（客户自备）
Drill holes at the predefined mounting positions, and embed plastic plugs for M4 screws (prepared by customers)



将盖板安装在壳体上，并使用紧固螺丝将盖板固定住
Mount the cover plate on the casing and fix the cover plate with screws



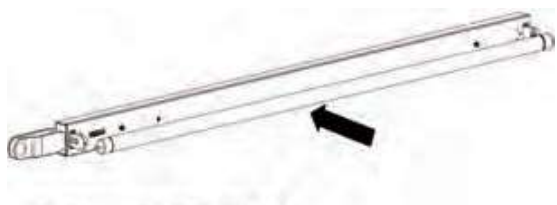
电源线固定在接线端子内
Connect the power cable in terminals



盖板上的地线插耳插入壳体内接地插片上
Plug the grounding socket on the cover plate in the casing



将盖板安装在壳体上，并使用紧固螺丝将盖板固定住
Mount the cover plate on the casing and fix the cover plate with fastening screws



将紫外光源按图示方向安装至灯座内，然后旋转90°固定住
Mount the ultraviolet source into the lamp holder in the direction shown in the figure, rotate 90° and fix it



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.



NOTICES

- Insufficient UV-C dose may not achieve the intended purification effect;
- UV-C can age non-metallic materials such as plastics, rubbers etc. Shield all non-metallic materials exposed under UV-C light when using the product;
- Never expose plants to UV-C light;
- This Product shall be installed, used, repair and maintained regularly in accordance with this manual. Always unplug the product during maintenance and repair. Failure to observe this requirement shall void any warranty, stated or implied;
- The UV intensity of this Product is determined according to the service time. When the accumulative service time of the UV-C lamp exceeds its effective lifetime, please replace the lamp in time;
- The installation and maintenance of this product need to be handled by professional technicians. Wear protective goggles (and wear protective clothing when necessary) to avoid direct UV-C exposure to human skin, mucous membrane and eyes;
- Strictly prohibited to use the product in places with inflammable and explosive materials;
- When using this product, the air inlet and outlet of the product should not be blocked; Filter screen and the UV-C lamp surface should be cleaned regularly according to the usage environmental. The product may not be randomly shut down during dynamic air purification;
- When using this product, keep the germicidal space clean and dry, close the doors and windows, and avoid outdoor air circulation. Do not use wind speed regulator;
- This product shall be equipped with a separate on-off kit, and the installation height of the switch shall be no less than 2 meters form the ground. This switch shall be equipped with a locking device, which can only be operated by dedicated operator;
- The original design and testing of this product is based on OSRAM HNS T8 36W double-end UV lamp tube. It may perform in different ways if with any other light sources;
- OSRAM HNS tube contains mercury; please follow local regulations when disposing of used light source;
- A 5-second break is required before switching on again right after switching off, due to 3 to 5-second systematic resetting;
- Please refer to the below QR code for product warranty policy. The OSRAM warranty policy would only apply to products that has been installed, used, repaired and maintained properly according to this manual. Failure to observe this requirement shall void any warranty, stated or implied.



This product emits UV-C light during operation;



Avoid direct or reflected UV-C light exposure to eyes or skins of humans and animals;



The installation and maintenance need to be handled by professional technicians;



This product is not used for any general lighting application;



RoHS certificate;



OSRAM HNS tube contains mercury; follow local regulations when disposing of used light source;

AVERTISMENT DE SIGURANȚĂ

- Acest produs emite radiații UV-C în timpul funcționării. Evitați întotdeauna expunerea ochilor și pielii oamenilor sau animalelor la radiația UV-C directă sau reflectată.
- Nu permiteți oamenilor sau animalelor să intre în spațiul de funcționare atunci când acest produs este în funcțiune.
- Acest produs este destinat exclusiv purificării aerului din încăperi și nu poate fi folosit pentru nici o aplicație de iluminare generală.
- Produsul nu este adecvat pentru curățarea, dezinfectarea sau sterilizarea dispozitivelor medicale.



NOTE

- O doză insuficientă de radiație UV-C poate să nu realizeze efectul de purificare dorit;
- Radiația UV-C poate îmbătrâni materialele nemetalice cum ar fi plasticul, cauciucul etc. La utilizarea produsului protejați materialele nemetalice expuse la radiația UV-C;
- Nu expuneți niciodată plantele la radiație UV-C;
- Acest produs trebuie instalat, utilizat, reparat și întreținut regulat, în conformitate cu prezentul manual. Întotdeauna decuplați produsul de la rețea pe durata întreținerii și reparațiilor. Nerespectarea acestei cerințe anulează orice garanție explicită sau implicită;
- Intensitatea radiației ultraviolete a acestui produs se determină conform duratei de utilizare. Înlocuiți lampa UV-C în momentul în care durata cumulată de utilizare depășește durata de utilizare eficace;
- Instalarea și întreținerea acestui produs trebuie să fie efectuate de tehnicieni profesioniști. Purtați ochelari de protecție (și îmbrăcăminte de protecție dacă este necesar) pentru a evita expunerea la radiația UV-C directă a pielii, mucoaselor și ochilor;
- Folosirea acestui produs în locuri cu materiale inflamabile sau explozive este strict interzisă;
- La utilizarea acestui produs trebuie evitată blocarea deschiderilor de admisie și evacuare a aerului de pe produs; Ecranul de filtrare și suprafața lămpii UV-C trebuie curățate cu regularitate, conform condițiilor de mediu locale. Produsul nu poate fi oprit la întâmplare în timpul purificării dinamice a aerului;
- La utilizarea acestui produs, păstrați curat și uscat spațiul dezinfectat, închideți ușile și ferestrele și evitați circulația aerului exterior. Nu utilizați un ventilator sau alt dispozitiv care circulă aerul;
- Acest produs trebuie echipat cu un kit separat de pornire-oprire, iar înălțimea întrerupătorului trebuie să fie de minimum 2 metri de la pardoseală. Acest comutator trebuie echipat cu un dispozitiv de blocare care poate fi operat numai de operatorul dedicat;
- Conceptul original și testarea acestui produs sunt bazate pe tubul lampă UV cu două capete OSRAM HNS T8 36W. Acest produs se poate comporta în mod diferit dacă este echipat cu orice alt tip de surse de lumină;
- Tubul OSRAM HNS conține mercur; respectați reglementările locale la eliminarea corpului de iluminat uzat;
- Este necesară o pauză de 5 secunde la repornirea imediat după oprire, din cauza resetării sistematice de 3–5 secunde;
- Consultați codul QR de mai jos pentru politica de garanție a produsului. Politica de garanție OSRAM se aplică numai produselor instalate, utilizate, reparate și întreținute corespunzător în conformitate cu prezentul manual. Nerespectarea acestei cerințe anulează orice garanție explicită sau implicită.



Acest produs emite radiații UV-C în timpul funcționării;



Evitați întotdeauna expunerea ochilor și pielii oamenilor sau animalelor la radiația UV-C directă sau reflectată;



Instalarea și întreținerea trebuie să fie efectuate de tehnicieni profesioniști;



Acest produs nu se folosește pentru niciun fel de aplicație de iluminare generală;



Certificat RoHS;



Tubul OSRAM HNS conține mercur; Respectați reglementările locale la eliminarea corpului de iluminat uzat;