

Light is germ fighting

AirZing™ UV-C light fixture for disinfection

The special AirZing PRO 5030 UNIV fixture is powered by an OSRAM germicidal PURITEC® HNS® 30W lamp, which emits high intensity UV-C radiation with a wavelength of 253.7nm. The radiation produced by the AirZing PRO 5030 UNIV is used to disinfect air and surfaces. Research shows that UV-C lamps can destroy up to 99.9% of viruses and bacteria.

Light is OSRAM

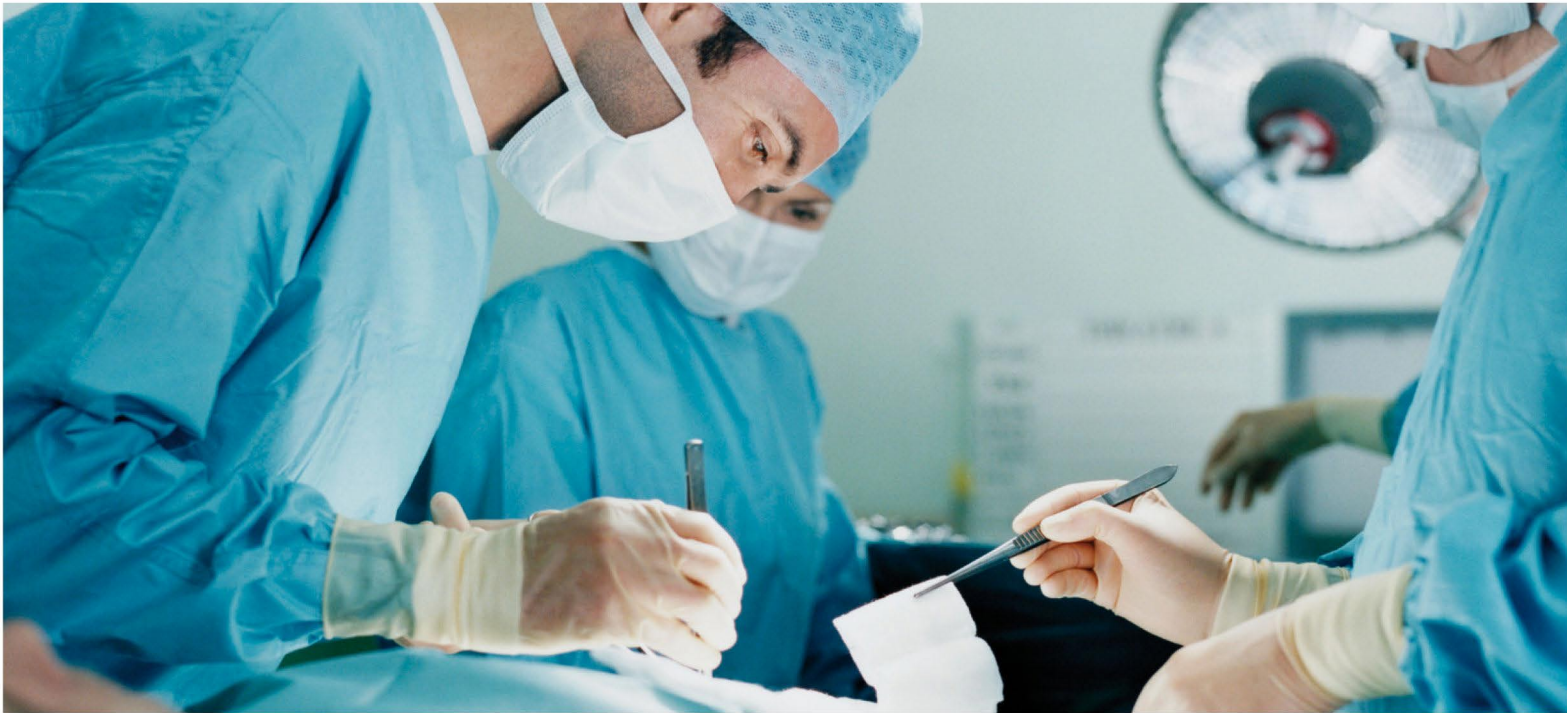
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OSRAM

UV-C: A proven technology for disinfection

Globalization and increased travel have brought more attention to global public health. Many scientific research institutions and pharmaceutical enterprises are working hard to provide solutions for tackling such challenges. UV-C radiation generated by high-energy UV-C lamps moves at wavelengths between 200-280nm, which is highly effective for disinfecting air and water, as well as destroying harmful microorganisms on surfaces. With UV-C technology, it is possible to destroy up to 99.9% of all pathogens without the use of harsh chemicals that often come with harmful side effects.

The AirZing™ PRO 5030 UNIV with OSRAM PURITEC® HNS® lamps is a high performance, cost effective solution that is efficient, effective and reliable for disinfection.



UV-C can destroy most microorganisms

The cell nucleus of microorganisms (bacteria and viruses) 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 and replicate, the UV-C light has effectively and safely disinfected the UV-C workspace area

WARNING

Exposure to UV-C light can cause injury to the eyes and skin. To prevent possible injury, eyes and skin should not be exposed to direct or reflected ultraviolet light emitted by this lamp. This lamp is in Risk Group 3 per ANSI/IESNARP-27.3-96. Adequate protection should be provided by clothing, gloves, opaque materials, proper eyewear and ordinary window glass.



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AirZing™ PRO 5030 UNIV

for air and surface disinfection

Key benefits

- Simple, yet high performance fixture
- Cost effective
- Easy to install
- Generates 253.7nm UV-C light, which is ideal for highly effective disinfection
- Proven technology capable of destroying up to 99.9% of microorganisms at recommended exposures
- 30-second delayed start to enhance operational safety
- Equipped with IR motion sensor technology to shut system down when people are detected entering the UV workspace
- Ozone-free emissions
- 360° coverage area
- 3-year warranty

Effective 99.9% Disinfection Effectiveness	Precise 253.7nm UV Wavelength	Premium 0 Ozone-free Emission	Powerful 360° Coverage Area	Smart IR Motion Sensor
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OSRAM PURITEC® HNS® UV lamp

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

Integrated Ballast

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

IR Sensor – Safety Kit

- 30s delayed start
- IR motion sensor switches off lighting system immediately when it detects people coming into the UV workspace
- Coverage area between 864-1,614ft² (80-150m²), depending on installation height



Metal Screw

- UV-C resistant coating

Lamp Holder

- Easy 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 8 and 13ft (2.5 and 4m). The coverage area of one fixture is 129-161ft² (12-15m²). The workspace should be clear of people and animals during operation.

**PRO
5030**

Exposure time to run fixture if the workspace is:

- <86ft² (<8m²), 30 minutes is recommended
- 86-129ft² (8-12m²), 45 minutes is recommended
- 129-161ft² (12-15m²), 60 minutes is recommended

86ft ²	30 min
129ft ²	45 min
161ft ²	60 min

To reduce exposure times or treat larger spaces, additional fixtures may be used. The layout can be adjusted according to interior design. This product is most effective on surfaces directly exposed to the light; soiled surfaces, porous materials or recessed areas may not be disinfected.

Important notes:

- This product should only be installed by a licensed electrician, and safety measures such as interlocking devices, lockouts, safety switches or separating on/off switches for the product from other on/off switches are recommended.
- Although the lamp will operate in standard fluorescent fixtures, it should not be used for general lighting applications.
- This product may degrade certain materials and paint, and can damage plants.
- This product is not suitable for the cleaning, disinfection or sterilization of medical devices.

For further details please refer to the Installation and Safety Manual.

AirZing™ PRO 5030 UNIV

PRELIMINARY

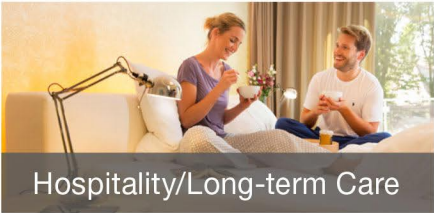


Regulatory approvals pending

Technical data

Product Name	AirZing PRO 5030 UNIV
Product Number	55028
Input Voltage	100-277V
Output Current	360 mA
Input Current	0.30A @ 120V
Power Consumption	34W
Lamp Wattage	30W
Power Factor	>0.9
Total Harmonic Distortion (THD)	<20%
UV-C Output (253.7nm)	11-12W
Initial UV-C Irradiance	>0.13W/ft ² @ 3ft (>1.2W/m ² @1m)
UV-C Irradiance @ 9000 hrs	>0.11W/ft ² @ 3ft (>0.96W/m ² @1m)
Lamp Lifetime	9000 hrs
Dimensions (l x w x h) (in)	40.0 x 3.2 x 2.2
Dimensions (l x w x h) (mm)	1015 x 81 x 75
Weight (Fixture with lamp)	2.9 lbs (1.3 kg)
Operational Temperature	4°F to 95°F (-10°C to 35°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Fixture Warranty	3 years
OSRAM Lamp Name	G30T8/OF (HNS 30W G13)
OSRAM Lamp Product Number	21080

AirZing PRO 5030 can be used in...



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