

# 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

**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 IEC 62471-2. Adequate protection should be provided by clothing, gloves, opaque materials, UV-C blocking eyewear and ordinary window glass.



# 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
- Safety shutoff feature using IR motion sensor technology
- Ozone-free emissions
- 360° coverage area
- 3-year warranty

<b>Effective</b> 99.9% Disinfection Effectiveness	<b>Precise</b> 253.7nm UV Wavelength	<b>Premium</b> 0 Ozone-free Emission	<b>Powerful</b> 360° Coverage Area	<b>Smart</b> IR Motion Sensor
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## Application guidelines

This linear fixture can be ceiling or wall mounted with an installation height recommended between 8 and 13ft (2.5 and 4m). The coverage area of one fixture is 129-161ft<sup>2</sup> (12-15m<sup>2</sup>). The workspace should be clear of people and animals during operation.

<b>PRO 5030</b>	Recommended exposure times to run fixture if the workspace is:
	— <86ft <sup>2</sup> (<8m <sup>2</sup> ), 30 minutes
	— 86-129ft <sup>2</sup> (8-12m <sup>2</sup> ), 45 minutes
	— 129-161ft <sup>2</sup> (12-15m <sup>2</sup> ), 60 minutes
	— 161ft <sup>2</sup> (>15m <sup>2</sup> ), multiple fixtures recommended

86ft <sup>2</sup>	30 min
129ft <sup>2</sup>	45 min
161ft <sup>2</sup>	60 min

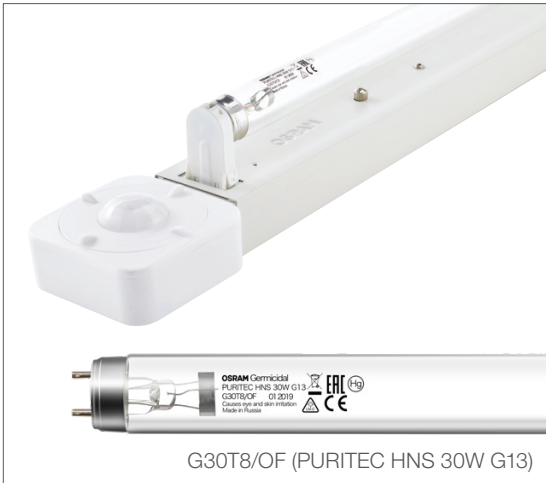
To reduce exposure times or treat larger spaces, additional fixtures may be used. The layout can be adjusted according to interior design. This product is most effective on surfaces directly exposed to the light; soiled surfaces, porous materials or recessed areas may not be disinfected.

## 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.
- UV-C can age non-metallic materials such as plastic, rubber, paint, etc., 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.

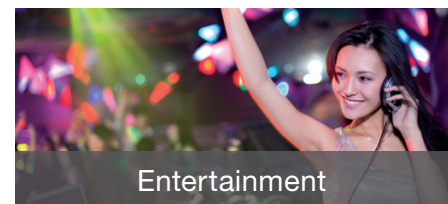
# AirZing™ PRO 5030 UNIV



## Technical data

Product Name	<b>AirZing PRO 5030 UNIV</b>
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 <sup>2</sup> @ 3ft (>1.2W/m <sup>2</sup> @1m)
UV-C Irradiance @ 9000 hrs	>0.11W/ft <sup>2</sup> @ 3ft (>0.96W/m <sup>2</sup> @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	14°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 (PURITEC HNS 30W G13)
OSRAM Lamp Product Number	21080

## AirZing PRO 5030 can be used in...



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