



99.995% reduction in airborne viruses proven to provide safer environments

Aether combines two proven and powerful methods of cleansing the air.

UV-C technology in a contained chamber pro-actively inactivates pathogens as the air passes through the fitting.

An in-built HEPA filter scrubs the air by filtering the inactivated viruses and particulate, pushing cleaner, safer air back into the environment.

The resulting air is cleansed of 99.995% of airborne pathogens such as COVID-19 and influenza. Cleaner air means safer spaces, and reduced impact from infection.





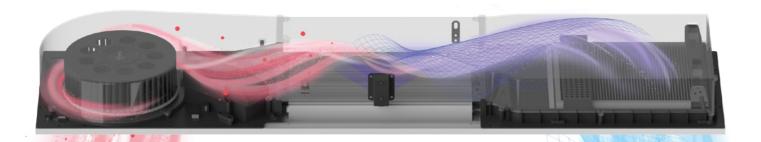
# FOR ANY ENVIRONMENT WHERE SAFETY IS IMPORTANT.

Pierlite has developed the Aether fitting to protect communities and individuals in offices, hospitals, schools, waiting rooms and more.





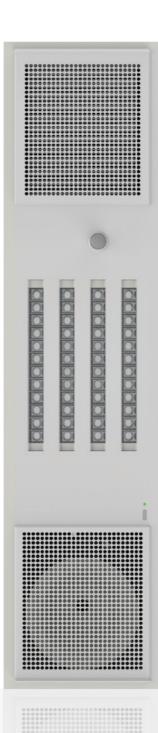
The air is circulated through the UVC LED chamber which inactivates bacteria and viruses.



Air inlet grill with filter screen and DC motor continuously pulls air from the environment into the fitting.

HEPA filter traps airborne contaminants and dusts, and the cleansed air is pushed back into the environment.

A single pass of air through the Aether fitting inactivates 99.995% of virus particles.



- Patented air-purifying LED Troffer with HEPA filter and UV-C LED
- Concealed UVC LED air disinfection chamber integrated into a 1190mm x 290mm LED troffer with no direct UVC radiation exposure to the room environment
- Efficient low glare 4K troffer that drops seamlessly into existing lighting layouts
- Aesthetically pleasing design operates quietly
- H13 Medical Grade HEPA Filter with Germagic Technology.
- Standard recessed with optional surface mount, or suspended ceiling application.
- Remote control with status indicator light for site visibility of operation and maintenance
- Plug and Play Quick Fit to the existing 1200mm x 300mm ceiling cavity making ideal for retrofit or new construction.
- Optional IoT sensor integration
- Cyanosis compliant to AS/NZS1680.2.5 for general health care applications

# CERTIFICATION AND VALIDATION

Standard	LAB	Testing
AS/NZS IEC 60335-2-65	TÜV Rheinland	Household and similar electrical appliances - Safety, Part 2.65: Particular requirements for air-cleaning appliances
AS/NZS 60598.2.2	TÜV Rheinland	Luminaires Particular requirements - Recessed luminaires
AS/NZS CISPR 15	TÜV Rheinland	Limits and methods of measurement of radio disturbance characteristics of electrical light and similar equipment
Virucidal Activity Test by UV Irradiation for Viosys LED	KR Biotech, Korea	COVID-19 (SARS-CoV-2) Cell Line E6 inactivation test
Virucidal hard-surface efficacy test on Germagic HEPA filter	Microbac	COVID 19 Log reduction on HEPA Germagic Thyme
Analysis of inactivation rates		Inactivation studies viruses (bacteriophages)
of airborne microorganisms	Biotech Gmbh Lab, Germany	Reduction of bacterial spores
using MS2 Surrogate Virus		Reduction of the total microbial count
IEC 62471:2006	Steve Jenkins and Associates Australia NATA Accredited	UVC radiation leakage from the luminaire
Safe Work Australia Standards	Steve Jenkins and Associates Australia NATA Accredited	Ozone production
AS/NZS14644.3	Opira Pty Ltd Australia	Air change rates validation Airborne microbiological sampling

# INACTIVATION ANALYSIS OF PATHOGENS

#### AETHER UVC TROFFER WITH HEPA FILTER & COMPONENTS



**Biotec GmbH** lab in Germany conducted an independent study on airborne virus inactivation rates with the Aether UVC Air Purifier Troffer.

**Inactivation virus studies (bacteriophages):** Aether UVC Air Purifier Troffer inactivation rates were determined by using MS2 virus as a surrogate for airborne COVID-19. MS2 phages are non-enveloped, ssRNA-phages and a widely used surrogate for RNA viruses. The Coronavirus is an enveloped RNA virus with an ssRNA genome.

This Luminaire has been proven to inactivate 4.27 logs of viral load with an inactivation rate of 99.995%. It also reduces the spore load by more than 2.72 log levels and achieved an inactivation rate of >99.8%

Average Reduction of MS2 in the air with a single pass through the Aether Troffer air disinfection system.

НЕРА	UVC LED	Temperature (°C)	Relative Humidity (%)	Virus Concentration (PFU / m³)	Log Reduction	Inactivation Rate (%)	
On	On	14.5	55.8	1.82 x 104	4.27	99.995	

Reference: December 2021, Biotec GmbH Germany, Final report on the research project: Laboratory report titled "Inactivation analysis of airborne viruses"



The clinical validation and reduction of viral load in the air stream was performed by Good Laboratory Practice (GLP) accredited **Guangdong Detection Centre of Microbiology** in China using the TGA recommended Human Corona Virus HCoV-229E Host Cell Huh-7. The Troffer system was able to reduce the viral load of Log 3.66 reduction with an inactivation rate of >99.98%.

The reduction of total germs or Viral load in a defined test room (30 m3 ) with 2.2 x 10^6 TCID50/m3 (Tissue Culture Infectious Dose) reduce to  $<2.4 \times 10^2 TCID50/m3$  at a removal rate of <99.98%

Reference: January 2022, Guangdong Detection Centre of Microbiology, China, Report Number 2021SP13349R01D, Aether UVC Troffer Report for Analysis.



Virucidal Activity Test by UV Irradiation was conducted by the **KR Biotech Co Ltd** Institute of Infectious Disease Control in Seoul Korea using the Seoul Viosys VSM+ UVC LED Chips.

The sterilization test using UV radiation from Vyosys VSM+ LED chips resulted in a 99.9999% virucidal inactivation against COVID-19 (SARS-CoV-2 Cell line Vero E6).

Reference: November 2020, KR Biotech Co. Ltd, Report Number KR-2011-065-SVS-02, Virucidal Activity Test by UVC Irradiation



**Microbac Laboratories Inc**, USA conducted a Hard Surface Efficacy test on HEPA filters. Tests against COVID-19 (SARS-CoV-2 Cell line Vero E6) showed a reduction of 3Log10 on the surface.

Reference: July 2020, Microbac Laboratories Inc, Report Number 1025-101, Virucidal Hard Surface Efficacy Test

# HEPA FILTER



HEPA Type: Medical Grade H13 GERMAGIC™

#### Quality

H13 are within the highest tier of HEPA and are considered medical grade quality.

#### Function

HEPA H13 traps 99.95% of Maximum Penetration Size Particles (MPPS). HEPA filters capture with extraordinary efficiency of 0.1 micron.

#### · History & Testing

Experiments have shown that Medical Grade H13 HEPA filters can inactivate the most common influenza viruses.

### UV-C LED





Seoul Violeds UV LED 254nm UV technology has been used.

These Violeds UV-C LED's are also used by NASA aboard the International Space Station (ISS) to provide a healthy, germ-free environment for astronauts.\*

 ${\it *https://www.ledinside.com/news/2015/9/seoul\_viosys\_and\_seti\_partner\_up\_in\_uv\_led\_decontamination\_in\_space}$ 

Product Code	Description	
AETUVC12349D	Aether LED Troffer with UVC LED and HEPA filter	
AETHEPA	Aether H13 Germagic HEPA filter	
AETUVCLED	Aether UVC LED Module	
AETUVCSUFKIT	Aether Surface Mount Kit	
	Suspension Kit available on request	

# SPECIFICATIONS

Standard recessed and optional surface mount, or suspended ceiling configuration including safety rope for seismic restrain  Powder coat white  Aluminaire Construction  Aluminium housing for luminaire and ABS for optics  Supply Voltage/ Frequency  Power Factor  Power Factor  Vo.9  Wattage (Lighting Load Only)  32W / 28W / 24W / 22W via NFC  Luminous flux  3200lm / 2800lm / 2400lm / 2200lm via NFC  Default Wattage & Luminous flux  3200lm / 2800lm  Efficiency  Liber Chip  Samsung 2835 LED  Driver (Lighting Load)  Driver (Lighting Load)  SEQUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CCT  4000K (other CCT available on request)  Biffetime - UV-C  Lifetime - UV-C  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40 °C  UGR  Beam Angle  Filcker  Filcker free  Ccrtification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level  Maximum 50dB  IP Remote Control  Clean Air Delivery Rate  Air treat-ment rate  Air treat-ment rate  Air treat-ment rate  Standard DALI Driver and optional IoT sensor	Size	L1190 X W290 X H98.5	
ceiling configuration including safety rope for seismic restrain  Powder coat white  Luminaire Construction  Aluminium housing for luminaire and ABS for optics  Supply Voltage/ Frequency  200-240v 50/60Hz  Power Factor  >0.9  Wattage (Lighting Load Only)  32W / 28W / 24W / 22W via NFC  Luminous flux  3200lm / 2800lm / 2200lm via NFC  Default Wattage & Luminous flux  28W / 2800lm  Efficiency  100lm/W  LED Chip  Samsung 2835 LED  Driver (Lighting Load)  Osram Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM  3  UVC Chip  SEOUL CA3535 CUD7GF18(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CCT  4000K (other CCT available on request)  Lifetime (40°C) - Room Lighting  Minimum 50.000 Hours L70  Lifetime - UV-C  15.000 hours  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40°C  UGR  19  Beam Angle  80°  Filicker  Filicker free  Certification  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170m²/h  Sound level  Maximum 50dB  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  & Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional loT sensor	Weight	7.5kg	
Aluminium housing for luminaire and ABS for optics  Supply Voltage/ Frequency 220-240v 50/60Hz  Power Factor >0.9  Wattage (Lighting Load Only) 32W / 28W / 24W / 22W via NFC  Luminous flux 3200Im / 2800Im / 2200Im via NFC  Default Wattage & Luminous flux 28W / 2800Im  Efficiency 100Im/W  LED Chip Samsung 2835 LED  Driver (Lighting Load) Osram Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM 3  UVC Chip SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT 4000K (other CCT available on request)  CCI 4000K (other CCT available on request)  CCI 400C (bip 60 Minimum 50,000 Hours L70  Lifetime - UV-C 15,000 hours  Lifetime - HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40°C  UGR 19  Beam Angle 80°  Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterillise  Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m*/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m*/h or 100 CFM or 47.22I/sec  Air Exchange Rate 8.55  Clean Air Delivery Room Size & Air treat-ment rate Air Pour and optional loT sensor	Configuration	·	
Supply Voltage/ Frequency 220-240v 50/60Hz Power Factor >0.9 Wattage (Lighting Load Only) 32W / 28W / 24W / 22W via NFC Luminous flux 3200lm / 2800lm / 2400lm / 2200lm via NFC Default Wattage & Luminous flux 28W / 2800lm Efficiency 100lm/W LED Chip Samsung 2835 LED Driver (Lighting Load) Osram Intelligent NFC DALI 35/220-240/1A0 NFC SDCM 3 UVC Chip SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS GCT 4000K (other CCT available on request) GCRI 90 Lifetime - UV-C 15,000 hours Lifetime - UV-C 15,000 hours Lifetime - HEPA Filter 6 months HEPA Type Medical Grade H13 GERMAGIC™ Temperature Range 40°C UGR 19 Beam Angle 80° Filicker Filicker free Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterillise Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM) Air Flow 170m²/h Sound level Maximum 50dB LIP Remote Control UVC and Fan control Clean Air Delivery Rate 170m²/h or 100 CFM or 47.22l/sec Air Exchange Rate 8.55 Clean Air Delivery Room Size & Air treat-ment rate Fander DALI Driver and optional IoT sensor	Finish	Powder coat white	
Power Factor >0.9 Wattage (Lighting Load Only) 32W / 28W / 24W / 22W via NFC Luminous flux 3200lm / 2800lm / 2400lm / 2200lm via NFC  Default Wattage & Luminous flux 28W / 2800lm  Efficiency 100lm/W  LED Chip Samsung 2835 LED  Driver (Lighting Load) Osram Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM 3  UVC Chip SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT 4000K (other CCT available on request)  CCT 400K (other CCT available on request)  Lifetime (40 ° C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C 15,000 hours  Lifetime - HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40 ° C  UGR 19 Beam Angle 80 °  Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m³/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m³/h or 100 CFM or 47.22l/sec  Air Exchange Rate 8.55  Controls Standard DALI Driver and optional IoT sensor	Luminaire Construction	Aluminium housing for luminaire and ABS for optics	
Wattage (Lighting Load Only)  Luminous flux  3200 m / 2800 lm / 2400 lm / 2200 lm via NFC  Default Wattage & Luminous flux  28W / 28W / 2800 lm  Efficiency  100 lm/W  LED Chip  Samsung 2835 LED  Driver (Lighting Load)  Osram Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM  3  UVC Chip  SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CRI  Lifetime (40 ° C) - Room Lighting  Minimum 50,000 Hours L70  Lifetime - UV-C  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40 ° C  UGR  19  Beam Angle  Flicker  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170 m³/h  Sound level  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  & Air treat-ment rate  Standard DALI Driver and optional loT sensor	Supply Voltage/ Frequency	220-240v 50/60Hz	
Luminous flux  3200Im / 2800Im / 2400Im / 2200Im via NFC  Default Wattage & Luminous flux  28W / 2800Im  Efficiency  100Im/W  LED Chip  Samsung 2835 LED  Driver (Lighting Load)  SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CCT  4000K (other CCT available on request)  CCI  Lifetime (40 ° C) - Room Lighting  Lifetime - UV-C  15,000 hours  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  HEPA Type  Medical Grade H13 GERMAGIC™  40 ° C  UGR  19  Beam Angle  Beam Angle  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level  Maximum 50dB  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  8.55  Controls  Standard DALI Driver and optional loT sensor	Power Factor	>0.9	
Default Wattage & Luminous flux  28W / 2800Im  Efficiency  100Im/W  LED Chip  Samsung 2835 LED  Driver (Lighting Load)  SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CCRI  90  Lifetime (40 ° C) - Room Lighting  Lifetime - UV-C  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  HEPA Type  Medical Grade H13 GERMAGIC™  40 ° C  UGR  19  Beam Angle  Beam Angle  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level  IP Remote Control  Clean Air Delivery Rate  Air treatment rate  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional loT sensor	Wattage (Lighting Load Only)	32W / 28W / 24W / 22W via NFC	
Efficiency  LED Chip  Samsung 2835 LED  Driver (Lighting Load)  SEDUM  SEDUM  SEDUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CCRI  90  Lifetime (40°C) - Room Lighting  Minimum 50,000 Hours L70  Lifetime - UV-C  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40°C  UGR  19  Beam Angle  Flicker  Flicker  Fricker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level  IP Remote Control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  & Air treat-ment rate  Controls  Controls  Controls  Controls  Samsung 2835 LED  Osamsung 2835 LED  Osamsung 2845 LED  Osamsung 2845 LED  Osamsung 2840 LI Semul 1.5mW*220-240/1A0 NFC  Samsung 2835 LED  Osamsung 2845	Luminous flux	3200lm / 2800lm / 2400lm / 2200lm via NFC	
LED Chip  Driver (Lighting Load)  Osram Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM  3  UVC Chip  SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  CRI  90  Lifetime (40°C) - Room Lighting  Minimum 50,000 Hours L70  Lifetime - UV-C  15,000 hours  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40°C  UGR  19  Beam Angle  Flicker  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  & Air treat-ment rate  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional loT sensor	Default Wattage & Luminous flux	28W / 2800lm	
Orsam Intelligent NFC DALI 35/220-240/1A0 NFC  SDCM  3 UVC Chip SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT 4000K (other CCT available on request)  CCI CRI 90 Lifetime (40°C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C Lifetime - HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40°C  UGR 19 Beam Angle Flicker Flicker free Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Tom³/h  Sound level Maximum 50dB  IP Remote Control Clean Air Delivery Rate Air Exchange Rate Clean Air Delivery Room Size & Air treat-ment rate Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Efficiency	100lm/W	
SDCM  UVC Chip  SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS  CCT  4000K (other CCT available on request)  QCI  CRI  90  Lifetime (40 ° C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C  15,000 hours  Lifetime - HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40 ° C  UGR 19  Beam Angle 80 °  Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m³/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m³/h or 100 CFM or 47.22l/sec  Air Exchange Rate 8.55  Clean Air Delivery Room Size & Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls Standard DALI Driver and optional loT sensor	LED Chip	Samsung 2835 LED	
SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS CCT  4000K (other CCT available on request)  QRI  90  Lifetime (40°C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C  15,000 hours  6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40°C  UGR 19  Beam Angle 80°  Flicker Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  Sound level Maximum 50dB  IP Remote Control UVC and Fan control Clean Air Delivery Rate Air Exchange Rate 8.55  Room Size: L 5000 x W 3000 x H 2400 (mm) Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Driver (Lighting Load)	Osram Intelligent NFC DALI 35/220-240/1A0 NFC	
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Lifetime (40°C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C 15,000 hours  Lifetime - HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40°C  UGR 19  Beam Angle 80°  Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m³/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m³/h or 100 CFM or 47.221/sec  Air Exchange Rate 8.55  Clean Air Delivery Room Size & Air treat-ment rate Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls Standard DALI Driver and optional IoT sensor	UVC Chip	SEOUL CA3535 CUD7GF1B(U)275nm 11.5mW*2PCS	
Lifetime (40°C) - Room Lighting Minimum 50,000 Hours L70  Lifetime - UV-C 15,000 hours  HEPA Filter 6 months  HEPA Type Medical Grade H13 GERMAGIC™  Temperature Range 40°C  UGR 19  Beam Angle 80°  Flicker Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m³/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m³/h or 100 CFM or 47.22I/sec  Air Exchange Rate 8.55  Clean Air Delivery Room Size & Air treat-ment rate Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls Standard DALI Driver and optional IoT sensor	ССТ	4000K (other CCT available on request)	
Lifetime - UV-C  Lifetime - HEPA Filter  6 months  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40°C  UGR  19  Beam Angle  Flicker  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170m³/h  Sound level  IP Remote Control  Clean Air Delivery Rate  Air Exchange Rate  8.55  Clean Air Delivery Room Size  & Air treat-ment rate  Controls  Standard DALI Driver and optional IoT sensor	CRI	90	
Lifetime - HEPA Filter  HEPA Type  Medical Grade H13 GERMAGIC™  Temperature Range  40°C  UGR  19  Beam Angle  Flicker  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170m³/h  Sound level  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  8.55  Clean Air Delivery Room Size  & Air treat-ment rate  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional loT sensor	Lifetime (40°C) - Room Lighting	Minimum 50,000 Hours L70	
HEPA TypeMedical Grade H13 GERMAGIC™Temperature Range40 ° CUGR19Beam Angle80 °FlickerFlicker freeCertificationSafety, EMC, UV Leakage, Ozone, UV Wavelength, UV SteriliseMotorDC Motor 21.5W @ 1010 Rotation Per Minute (RPM)Air Flow170m³/hSound levelMaximum 50dBIP Remote ControlUVC and Fan controlClean Air Delivery Rate170m³/h or 100 CFM or 47.22l/secAir Exchange Rate8.55Clean Air Delivery Room SizeRoom Size: L 5000 x W 3000 x H 2400 (mm)& Air treat-ment rateAir treatment rate: Four times every hour when operated 24 x 7 operation.ControlsStandard DALI Driver and optional IoT sensor	Lifetime - UV-C	15,000 hours	
Temperature Range 40 ° C  UGR 19  Beam Angle 80 °  Flicker Flicker free  Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow 170m³/h  Sound level Maximum 50dB  IP Remote Control UVC and Fan control  Clean Air Delivery Rate 170m³/h or 100 CFM or 47.22l/sec  Air Exchange Rate 8.55  Clean Air Delivery Room Size Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls Standard DALI Driver and optional IoT sensor	Lifetime - HEPA Filter	6 months	
Beam Angle Beam Angle Flicker Flicker Flicker Flicker free Certification Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise Motor DC Motor 21.5W @ 1010 Rotation Per Minute (RPM) Air Flow 170m³/h Sound level Maximum 50dB IP Remote Control UVC and Fan control Clean Air Delivery Rate 170m³/h or 100 CFM or 47.22l/sec Air Exchange Rate 8.55 Clean Air Delivery Room Size & Air treat-ment rate Room Size: L 5000 x W 3000 x H 2400 (mm) Air treatment rate: Four times every hour when operated 24 x 7 operation. Controls Standard DALI Driver and optional IoT sensor	НЕРА Туре	Medical Grade H13 GERMAGIC™	
Beam Angle  Flicker  Flicker free  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170m³/h  Sound level  Maximum 50dB  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  170m³/h or 100 CFM or 47.22l/sec  Air Exchange Rate  8.55  Clean Air Delivery Room Size  & Air treat-ment rate  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Temperature Range	40 ° C	
Flicker  Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  Air Flow  170m³/h  Sound level  Maximum 50dB  IP Remote Control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size & Air treat-ment rate  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	UGR	19	
Certification  Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  170m³/h  Sound level  Maximum 50dB  UVC and Fan control  Clean Air Delivery Rate  170m³/h or 100 CFM or 47.22l/sec  Air Exchange Rate  Clean Air Delivery Room Size  Air treat-ment rate  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Beam Angle	80°	
Motor  DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)  170m³/h  Sound level  Maximum 50dB  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  & Air treat-ment rate  Controls  Controls  Air Standard DALI Driver and optional IoT sensor	Flicker	Flicker free	
Air Flow  Sound level  Maximum 50dB  IP Remote Control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  Air treat-ment rate  Controls  170m³/h  Maximum 50dB  UVC and Fan control  170m³/h or 100 CFM or 47.22l/sec  8.55  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Certification	Safety, EMC, UV Leakage, Ozone, UV Wavelength, UV Sterilise	
Sound level  IP Remote Control  UVC and Fan control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  Air treat-ment rate  Controls  Maximum 50dB  UVC and Fan control  170m³/h or 100 CFM or 47.22l/sec  8.55  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Motor	DC Motor 21.5W @ 1010 Rotation Per Minute (RPM)	
IP Remote Control  Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size  Air treat-ment rate  Controls  UVC and Fan control  170m³/h or 100 CFM or 47.22l/sec  8.55  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Air Flow	170m³/h	
Clean Air Delivery Rate  Air Exchange Rate  Clean Air Delivery Room Size Room Size: L 5000 x W 3000 x H 2400 (mm) Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Sound level	Maximum 50dB	
Air Exchange Rate  Clean Air Delivery Room Size Room Size: L 5000 x W 3000 x H 2400 (mm) Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	IP Remote Control	UVC and Fan control	
Clean Air Delivery Room Size  & Air treat-ment rate  Room Size: L 5000 x W 3000 x H 2400 (mm)  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Clean Air Delivery Rate	170m³/h or 100 CFM or 47.22l/sec	
& Air treat-ment rate  Air treatment rate: Four times every hour when operated 24 x 7 operation.  Controls  Standard DALI Driver and optional IoT sensor	Air Exchange Rate	8.55	
· · · · · · · · · · · · · · · · · · ·	Clean Air Delivery Room Size & Air treat-ment rate	Air treatment rate: Four times every hour when operated 24 x 7	
COI (Cyanosis Observer Index) 1.713	Controls	Standard DALI Driver and optional IoT sensor	
	COI (Cyanosis Observer Index)	1.713	

# DESIGNED TO ENHANCE EVERYDAY LIVES

Engineered to fit into the space of a standard troffer, Aether is able to plug and play in most T-bar ceilings. Where that's not an option, Aether is also available as a surface or suspended fitting, ensuring every environment can benefit from its cleansing capabilities.

# EASY TO INSTALL



1200 x 300, fits into a standard office ceiling.



Plug and play. Aether is fitted with a standard flex and plug.



Multiple mounting options.



Replacement filters available separately.





