



GERMICIDAL UVC LUMINAIRES

We specialise in uvc air purification
ensuring that 85% of the air in an
indoor space is purified safely

25 YEARS
IN AIR PURIFICATION

Get in Touch

+34 610 24 29 52 - info@guvtec.com - www.guvtec.com
8/9 Westmoreland St. Dublin D0 NW22 R. of Ireland

For all your Air Purification Needs

Our experienced team have been purifying the air for over 25 years with our range of UVC Luminaries, keeping Hospitals, Offices, Schools, Universities and Care Homes free from foreign pathogens safely.

Benefits of UVC Germicidal

01

AIR PURIFICATION

UVC Germicidal Proven Scientifically to Eliminate Bacteria and Viruses

03

AIR CAPTURE

By Placing a UVC Luminaire at Ceiling Height ensures that all the Air is Captured

02

AIR CYCLES

The Law of Convection and Ventilation ensures the Highest Level of Cycles ensuring faster Purification

04

CHEMICALLY FREE

No Chemicals are emitted whilst the light is on, providing a safe indoor space



info@guvtec.com



353 1 442 8588



www.guvtec.com

8-9 Westmoreland Street Dublin, D02 NW22 reg: Guvtec 667556 TM: 018349445 Dublin

Protect Your Facility

To prevent infections in high population areas, using UVC germicidal purification for air purification is advised.

Mechanical ventilation systems in facilities can get contaminated, making air purification essential.

UVC germicidal purification at ceiling height can swiftly purify flowing air.

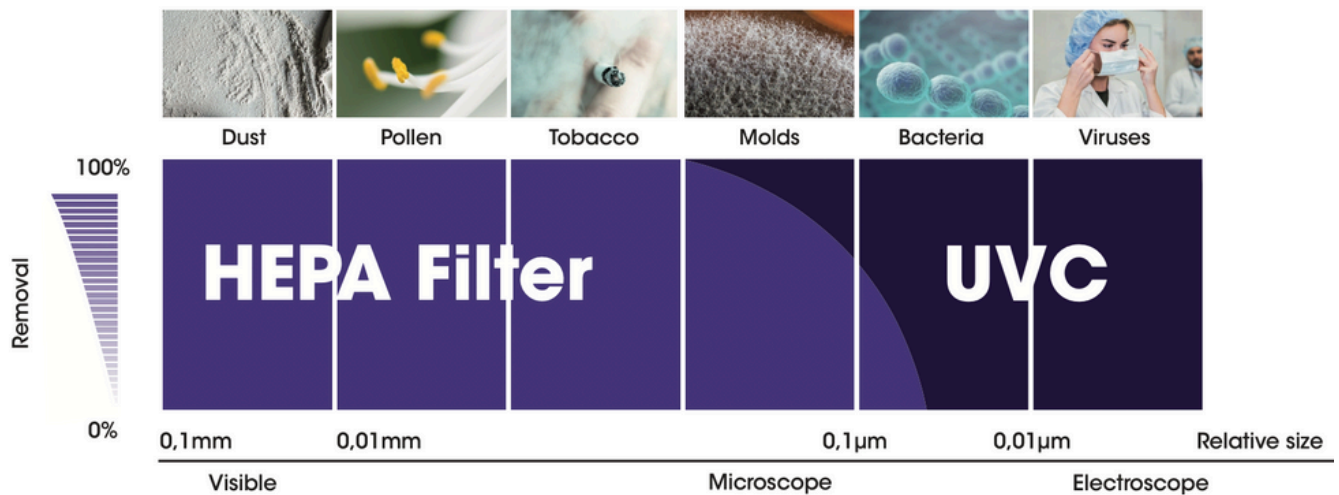
How UVC Works in Air Purification

Hot air rises and cool air descends, which moves contaminated air to the UVC kill zone. The UVC light breaks down RNA and DNA of viruses, rendering them inactive and preventing replication.

SAFE AND EFFECTIVE WITH 24/7 NORMAL ACTIVITIES BELOW



UV-C Germicidal verse Hepa Filters



HVAC ventilation systems prioritize comfort and cost savings over air purification, resulting in only 1-2 air cycles per hour, which is below the recommended CDC guidelines. Filters used in these systems are not very effective against mold, bacteria, and viruses, according to PHILIPS data.

UV-C 254nm Proven Peak Efficiency

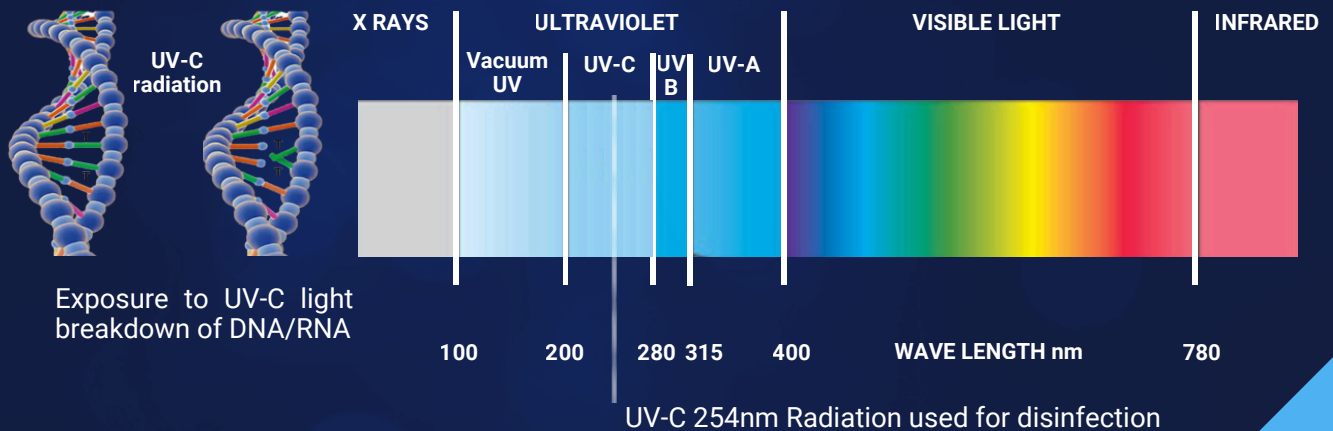
Technilamps' disinfection units use Philips lamp technology and are designed to emit ultraviolet light (UV) of 254nm wavelength, which is part of the UVC spectrum.

Patented Design Emits a Narrow Light

Technilamp was awarded the Philips franchise for Ultraviolet and infrared lamps in South Africa in 1976. The company has a history of providing innovation and service to various markets. It was acquired by Bidvest Limited in August 2016. GUVTEC acquired distribution rights for Europe in 2020.

UV-C Light 99.9% Effective Germicidal

ELECTROMAGNETIC SPECTRUM



Our Product Range



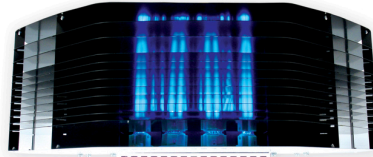
PLACED AT CEILING HEIGHT SAFE AND AFFECTIVE

TLR 30
COVERAGE 36m² 360°



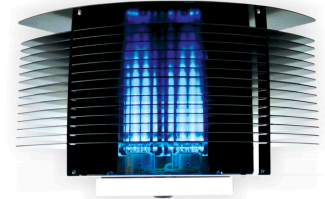
Ceiling Mounted
Size 560x550x300cm
Fitted Philips 6 X PL-S
9W/4P
36m² and 360° Coverage
Weight 15 kg

TLR 31
COVERAGE 25m² 180°



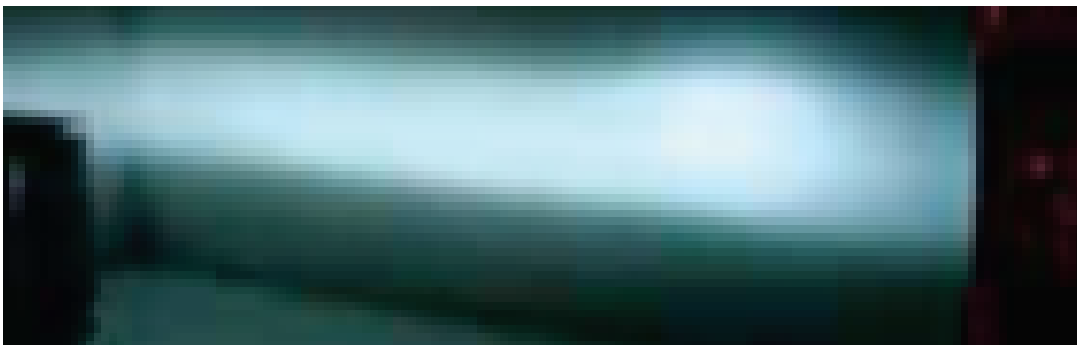
Wall Mounted
Size 550 x 320 x 340cm
Fitted Philips 4 X PL-S
9W/4P
25m² and 180° Coverage
Weight 10 Kg

TL R 32
COVERAGE 12m² 90°



Corner Mounted
Size 270 x 270 x 280cm
Fitted Philips 2 X PL-S
9W/4P
12m² and 90° Coverage
Weight 5 Kg

PATENTED NARROW UV-C LIGHT



TECHNILAMP's patented reflector and louvre design emits safe, narrow direct light from ceiling height without exposing human skin or eyes to UV-C light.



A laboratory picture depicting a strong, straight UV-C beam with no dispersion of rays downwards, that ensure no exposure, with normal daily activities



Technilamp® TLR 30 360° - Area coverage 36m²; Ceiling Mounted

TECHNICAL DATA

Ceiling Mounted size 560x550x300cm
Fitted with Philips 6 X PL-S - 9W TUV/4P lamps
Coverage 36m²
Weight 15kg
Large waiting area of Hospitals / Clinics



Description Specification

Model	UV-C radiant Flux (UV-C W)	Radiant Efficacy	Peak UV-C Irradiance	
			1.0 M	2.0 M
TLR 30	1.36	0.0025W/VA	39.80	11.24
Coverage	36m²			
Electrical	220/230V AC Supply			
Size	560 x 550 x 300			
Weight	15kg's			
Lamp Type & Watt Rating	6 x Philips PL-S TUV 9W			
Lamp Life/Replacement Hours	9000 Hours			
The durability of Fitting Lifespan	7 – 10 years			
Manufacturing	ISO 9001 Approval			
UV-C 254nm	Emission Delivers the straightest, most powerful UV beam with a higher kill rate			
Upper-Air UV-C Fluence	1.2M – 20µm² 5.0M – 10µm²			
Lower Safe Working Zone	0.2-0.4µm²			



TUV PL-S
TUV PL-S 9W/4P

General information

Cape base	2G7 (2G7)
Main application	disinfection
Useful life (norm)	9000h

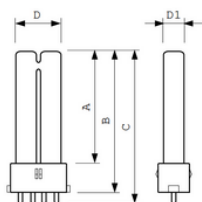
Light Technical

Colour code	TUV
Colour Designation	-(Not Specified)
Depreciation and useful time life time	20%

Operational and Electrical

Power (Rated) Nom	8.6W
Lamp current (Nom.)	0.17A
EAN/UPC - product	87115000710833
Order code	927901904007
Numerator- quantity per pack	1
SAP numerator - packs per outer box	60

Dimensional drawing



XDPB_XUTUVPLS-Spectral power distribution B/W

Voltage (Nom)

60V

Mechanical and Housing

Cap base information	4 Pins(4P)
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Approval and Application

Mercury (Hg) content (Nom)	3,0mg
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UV

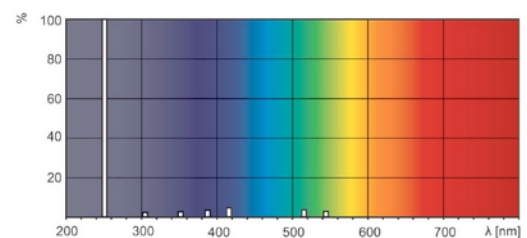
2,3W

UV-C Radiation

Product data

Full product code	871150071083380
Order Product name	TUVPL-S)W/4P
Material no (12 NC)	927901904007
Net weight	30.000 g

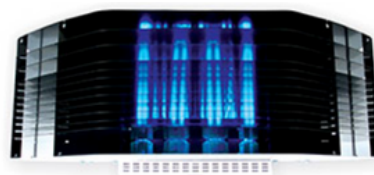
Photometric data



XDPO_XUTUVPLS-Spectral power distribution Colour

TECHNICAL DATA

- Wall Mounted Size 550 x 320 x 340cm
- Fitted with Philips 4 X PL-S - 9W TUV lamps
- Coverage 25m²
- Weight 10 Kg
- Schools - Open plan offices- Hospital wards



Description Specification

Model	UV-C radiant Flux (UV-C W)	Radiant Efficacy	Peak UV-C Irradiance	
			1.0 M	2.0 M
TL R 31	0.772	0.0189W/VA	63.16	18.45
Coverage	25m²			
Electrical	220/230V AC Supply			
Size	550 x 320 x 340			
Weight	10kg's			
Lamp Type & Watt Rating	4 x Philips PL-S TUV 9W			
Lamp Life/Replacement Hours	9000 Hours			
The durability of Fitting Lifespan	7 – 10 years			
Manufacturing	ISO 9001 Approval			
UV-C 254nm	Emission Delivers the straightest, most powerful UV beam with a higher kill rate			
Upper-Air UV-C Fluence	1.2M – 20µm² 5.0M – 10µm²			
Lower Safe Working Zone	0.2-0.4µm²			



TUV PL-S
TUV PL-S 9W/4P

General information

Cape base	2G7 (2G7)
Main application	disinfection
Useful life (norm)	9000h

Voltage (Nom) 60V

Mechanical and Housing

Cap base information 4 Pins(4P)

Light Technical

Colour code	TUV
Colour Designation	-(Not Specified)
Depreciation and useful time life	20%

Approval and Application

Mercury (Hg) content (Nom) 3,0mg

UV 2,3W

UV-C Radiation

Operational and Electrical

Power (Rated) Nom	0.17A
Lamp current (Nom.)	87115000710833
EAN/UPC - product	927901904007
Order code	1
Numerator- quantity per pack	60

Product data 871150071083380

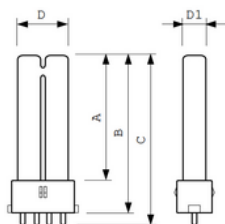
Full product code TUVPL-S)W/4P

Order Product name 927901904007

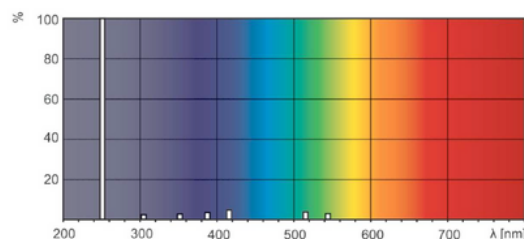
Material no (12 NC) 30.000 g

Net weight

Photometric data



XD PB_XUTUVPLS-Spectral power distribution B/W



XD PO_XUTUVPLS-Spectral power distribution Colour

TECHNICAL DATA

- Corner Mounted size 270 x 270 x 280cm
- Fitted with Philips 2 X PL-S - 9W TUV/4P lamps
- 90 degrees
- Coverage 12m²
- Weight 5Kg
- Manufacturing ISO 9001 Approval



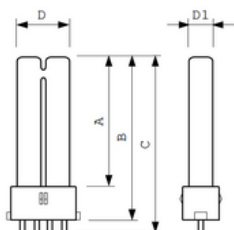
Description Specification

Model	UV-C radiant Flux (UV-C W)	Radiant Efficacy	Peak UV-C Irradiance	
			1.0 M	2.0 M
TL - R 32	0.543	0.0274W/VA	46.70	12.92
Coverage			12m²	
Electrical			220/230V AC Supply	
Size			550 x 320 x 340	
Weight			5kg's	
Lamp Type & Watt Rating			4 x Philips PL-S TUV	
Lamp Life/Replacement Hours			9000 Hours	
The durability of Fitting Lifespan			7 – 10 years	
Manufacturing			ISO 9001 Approval	
UV-C 254nm			Emission Delivers the straightest, most powerful UV beam with a higher kill rate	
Upper-Air UV-C Fluence			1.2M – 20µm² 5.0M – 10µm²	
Lower Safe Working Zone			0.2-0.4µm²	

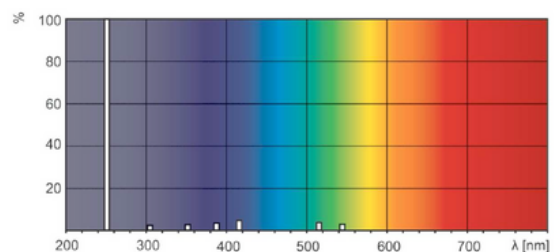


TUV PL-S TUV PL-S 9W/4P

General information		Voltage (Nom)	60V
Cape base	2G7 (2G7)	Mechanical and Housing	
Main application	disinfection	Cap base information	4 Pins(4P)
Useful life (norm)	9000h	Approval and Application	
Light Technical		Mercury (Hg) content (Nom)	3,0mg
Colour code	TUV	UV	2,3W
Colour Designation	-(Not Specifec)	UV-C Radiation	
Depreciation and useful time life	20%		
	8.6W		
Operational and Electrical	0.17A		
Power (Rated) Nom		Product data	871150071083380
Lamp current (Nom.)	87115000710833	Full product code	TUVPL-S)W/4P
EAN/UPC - product	927901904007	Order Product name	927901904007
Order code	1	Material no (12 NC)	30.000 g
Numerator- quantity per pack	60	Net weight	
SAP nemerator - packs per outer box		Photometric data	
Dimensional drawing			



XDPB_XUTUVPLS-Spectral power distribution B/W



XDPO_XUTUVPLS-Spectral power distribution Colour



WARNING: UVC: is emitted from this product, avoid eye and skin exposure to the unshielded product. Follow installation instructions and user Manual.



WARNINGS AND SAFETY

DANGER: Each TECHNILAMP* Luminaires are fitted with PHILIPS UV-C lamps. Direct exposure to UV-C can be dangerous and result in a sunburn-like reaction to the skin and serious damage to the cornea. As UV-C is invisible to the eye, the UV-C luminaire must be used and installed in strict accordance with the requirements set forth in the user manual and/or the mounting instructions. TECHNILAMP* UV-C Luminaires must only be sold and installed by nominated Electrical and Air Conditioner Installers, that have been trained according to our stringent safety and legal requirements.

KEY GUIDELINES

TECHNILAMP* Luminaires are not certified or approved as a medical device, locally or globally, and should not be used as such. They should never be used in applications or activities that may cause and or lead to death, personal injury, and or damage to the environment.

DISCLAIMER

The UV-C TECHNILAMP* Luminaire's that are fitted with PHILIPS UV-C lamps, is effective in the deactivation of certain mould, bacteria, viruses, or any foreign pathogens that is explained and referenced by clinical research and data referenced (below (1). TECHNILAMP*, GUVTEC* and PHILIPS do not promise or warrant that the use of the UV-C Luminaire's will protect any user from or prevent infection and/or contamination with any mould, bacteria, viruses, illness, or disease. The UV-C TECHNILAMP* Luminaire's (including PHILIPS lamps) are not approved and/or certified as a medical device by the FDA and/or any other regulatory body. As such, the TECHNILAMP* Luminaire's (PHILIPS lamps) are not intended for and must not be used to disinfect medical devices and/or for medical purposes. In addition to and without limitation of any exclusions or limitations of liability of TECHNILAMP*, GUVTEC* and PHILIPS lamps, as set forth in any agreement for the sale, distribution or otherwise making available of the UV-C TECHNILAMP* Luminaire's (PHILIPS lamps) shall have no responsibility or liability whatsoever for any claim or damage that may arise from or relate to any use of the UV-C upper air devices outside of their intended use or contrary to their installation and operation instructions, each as described in this document, the user manuals and/or the mounting instructions of UV-C TECHNILAMP Luminaires.

The trademark GUVTEC is registered in accordance with the corresponding legal precepts in the name of QUAVEL INVESTMENTS LIMITED. GUVTEC shall not be liable for loss of profit, loss of savings, damage to reputation, loss of goodwill, indirect, incidental, punitive, or consequential damages arising out of regarding the contract or the sale of any products or services by GUVTEC or their use, whether such damages are based on tort, warranty, contract or other legal concepts - even if GUVTEC has been informed or is aware of the possibility of such damages.

Any claim for damages by the Buyer must be made within ninety (90) days from the date of the event giving rise to such claim and any lawsuit arising from such claim must be brought within one year from the date of the claim. Any claim filed or submitted in violation of the preceding sentence shall be null and void.

The limitations and exclusions set forth in this Clause shall apply only to the extent permitted by applicable mandatory law.

COMPANY INFORMATION

TECHNILAMP* part of the BIDVEST Group, South Africa
GUVTEC* part of QUAVEL Investments LTD.
Reg No 577356, (QUAVEL) ; 677556 (GUVTEC) VAT 3414804FH DUBLIN
CONTACT; (353) 1 442 8588
EMAIL: Info@guvtec.com
WEBSITE: www.guvtec.com



Warnings

Preventive measures



Attention: before installing, please read the installation manual to ensure safe use.

Keep this Installation manual properly for future use.

Do not allow children or non-qualified personnel handling the unit.



Do not touch the unit or the power cord with wet hands.

Ensure that there is an independent direct power source to ensure that there is no interruption of air purification.

When installing ensure that that power source is off so that no exposure of UV light is emitted directly whilst installing.

Do not wet the unit; do not use chemical products to clean it.



WARNING: to prevent electric shock hazards connect the unit to a proper power source (grounded 230 V, 50/60 Hz).



The machine features a precision circuit. Prevent fortuitous impacts and stresses that could cause mechanical damage.



Do not introduce potentially explosive substances.

Remove any dirt or water from the cable connection.

Unplug the appliance immediately if you detect noise, odor or smoke.

Install the product away from heat sources.



Do not use the machine with products different than defined in the intended use. To prevent accidents, be cautious when using the unit.

Ensure that there is no exposure of UVC light to eyes and skin

Ensure the Luminaires is secured securely on a flat wall or ceiling

Do not dismount, repair or modify the machine.

If you find a defective component or a problem do not use the machine.



Contact us for questions or detailed troubleshooting information.

NOTE: Please read this manual thoroughly. It contains crucial safety information regarding installation, usage, and maintenance.

Using the equipment in a way not specified by the manufacturer may compromise its safety features.

Thank you for purchasing our UV disinfection luminaries. Please read these instructions for use carefully before using the product.

Operating principle

A UVC luminaire emits a focused band of light that is designed not to shine downwards, thanks to its unique prism and louvre configuration, which prevents any downward light exposure.

Positioned at ceiling height, the UVC luminaires effectively capture all airborne pathogens as they rise, utilising the principles of convection and ventilation. With over 20 air changes per hour (ACH) facilitating upward and downward movement, this method is highly efficient for eliminating foreign pathogens.

The germicidal effects of ultraviolet light are well established. It is understood that UV light with a wavelength of 254 nanometers interacts with the DNA of germs, causing damage that renders them inactive and removes foreign pathogens 99,9% effective.

Disinfection range

The disinfection range of the TLR 31 is 25m² through a narrow beam that is emitted, with no UVC light is distributed downwards, this has been tested by University of Pretoria scientific department

Operation

- (1) Put on to match the standard power supply of the instrument the electric voltage ;(please check the product of the instrument back to mark before usage)
- (2) Place the Luminaire on the wall or ceiling ensuring with a plumline bubble that it is set at 90 degrees to the wall
- (3) Once set tighten the guard at the back of the Luminaire so as to ensure that there is no movement
- (4) Once set connect the power source to the inway plug on the Luminaire, ensuring that no exposure of light reaches the eyes, wearing UVC safely glasses is compulsory
- (5) Ensure power source is an independant switch only used for the Luminaire

Precautions

Do not look directly at the lamp when it is on.
Be sure to plug the appliance into a 220V outlet. 50 Hz.
Do not operate the appliance with wet hands.
Do not introduce wet objects inside the disinfection chamber
Do not open the door with the equipment running.
Do not allow children to operate the appliance.

Technical data

Power supply:	110/220V	Coverage Electrical
Maximum Frequency HV	50Hz 60Hz	Size
Power:	8 W	Weight
UVC:	185nm	Lamp Type & Watt Rating
Timer:	0-999 min	Lamp Life/Replacement Hours
Height:	340 mm	The durability of Fitting Lifespan
Width:	220 mm	Manufacturing
Depth:	250 mm	UV-C 254nm
Capacity:	8L	Upper-Air UV-C Fluence
Weight:	2,8 kg	Lower Safe Working Zone

Declaration of conformity UE

The firm Guvtec Germicidal UV
address: 8/9 Westmoreland Street
Dublin D02 NW22 R. of Ireland

Hereby declares that the product

UV Cabinet Ref. GVT0005-208-2024

Meets the requirements set out in the following directives:

EMC Directive 2014/30/EU
EN 60335, EN IEC 55014, EN IEC 61000
Certificate No. UNIA20033103ER-01
Test Standard EN55014-1:2017
EN55014-2-2025



Euzebio Viana Meneses
Managing Director
Guvtec germicidal uv