

UVC GERMICIDAL LUMINAIRES

www.guvtec.com

25

YEARS EXPERIENCE IN AIR PURIFICATION

AIR PURIFICATION

UVC Germicidal Proven Scientifically to Eliminate Bacteria and Viruses

AIR CAPTURE

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

AIR CYCLES

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

PROTECT YOUR FACILITY

To prevent the spread of infections in high population areas, air purification with UVC germicidal purification is recommended. Mechanical ventilation systems in facilities can be contaminated, making air purification necessary. By purifying the air at ceiling height, UVC germicidal purification can quickly purify the air as it flows.

WHAT ARE THE BENEFITS OF GERMICIDAL ULTRAVIOLET?

100% CHEMICAL FREE
24/7 DISINFECTION
24/7 PROTECTION WITH DAILY ACTIVITY BELOW

SAFE AND EFFECTIVE WITH 24/7 NORMAL ACTIVITIES BELOW

2

UVC Germicidal Disinfection Technilamp Luminaire covers the ceiling with UVC light at ceiling height

1

Contaminated air moves upwards through convection, natural or mechanical ventilation



3

UVC Light 99.9% effective in breaking down DNA & RNA of Bacteria and Viruses

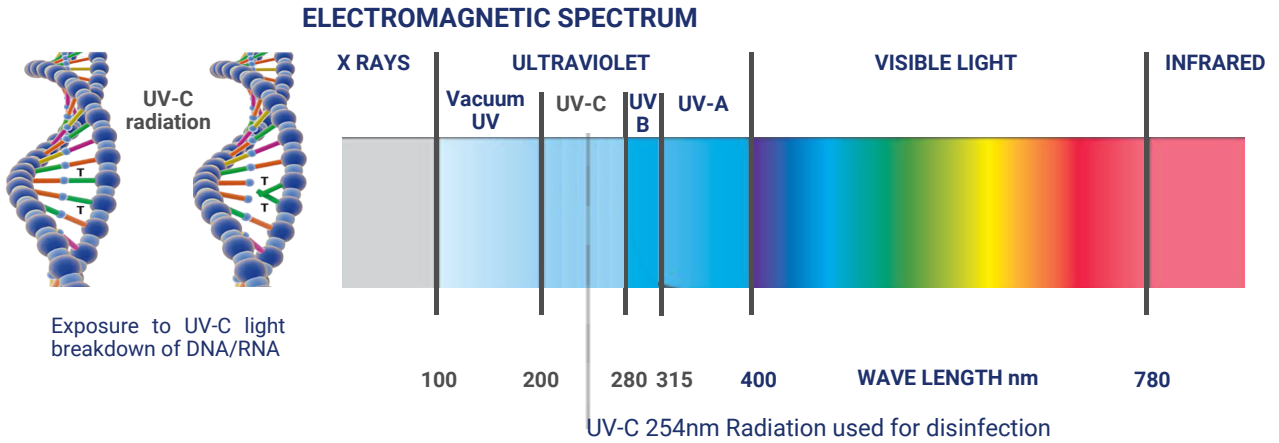
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Disinfected air moves from the UVC kill zone at ceiling height downwards

HOW UVC GERMICIDAL PURIFICATION WORKS

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.

UV-C LIGHT 99.9% EFFECTIVE GERMICIDAL

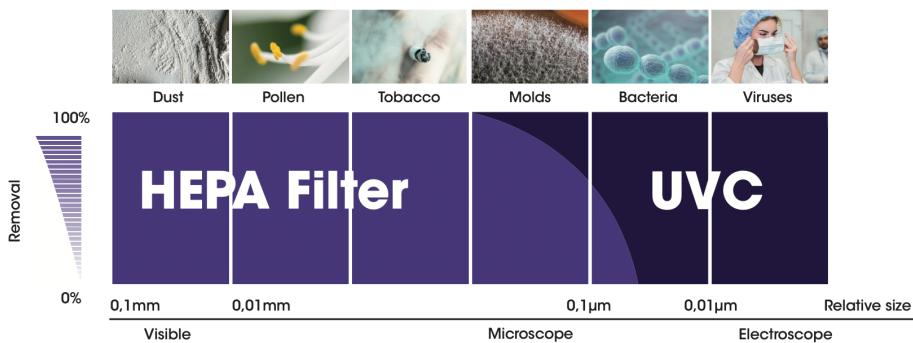


UV-C 254nm PROVEN PEAK EFFICIENCY

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.

UV-C GERMICIDAL VERSUS 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.





PATENTED DESIGN THAT EMITS POWERFUL AND SAFE UV-C 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.



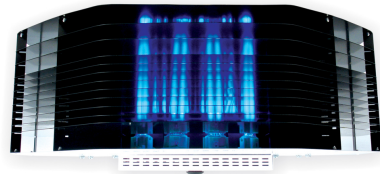
PLACED AT CEILING HEIGHT SAFE AND AFFECTIVE

TLR 30
COVERAGE 36m² 360°



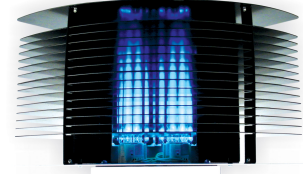
Ceiling Mounted
Size 560x550x300cm
Fitted Philips 6 X PL-S 9W/4P
36m² and 360° Coverage
Weight 15 kg

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

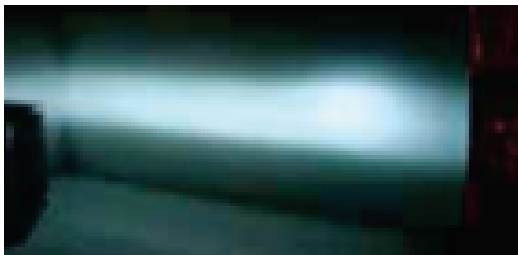
TL R 32
COVERAGE 12m² 90°



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



A laboratory picture depicting a strong, straight UV-C beam with no dispersion of rays.

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.



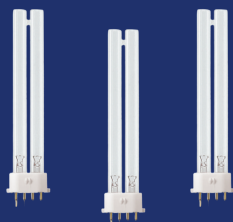
POINTS OF PATENTED DIFFERENTIATION

Delivers the straightest and most concentrated UVC beam.
Higher bacteria / virus kill rate.
Significantly reduced UV dispersion, delivering a safer work environment

PHILIPS

REPLACEMENT
TUV PLS - 5 LAMPS

927901904007
TUV PL-S 9W/4P 1CT/6X10BOX



Security of disinfection over the useful Lifetime of the Lamp
The lowest amount of Mercury, environmentally friendly
Short - wave UV radiation with a peak of 253.7nm (UV-C)
The protective coating ensures UV output
4-Pin PL-S lamps designed for use on electronics drivers
Source: PHILIPS*

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			36m ²	
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 – 20µm ² 5.0M – 10µm ²	
Lower Safe Working Zone			0.2-0.4µm ²	



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 Specifec)
 Depreciation and useful time life time 20%

Approval and Application

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

UV 2,3W

UV-C Radiation

Operational and Electrical

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

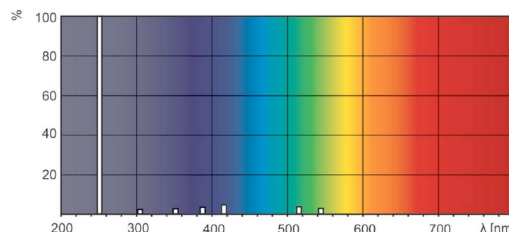
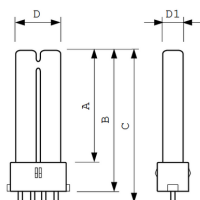
Product data

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

Net weight

Photometric data

Dimensional drawing



XDPB_XUTUVPLS-Spectral power distribution B/W

XDPO_XUTUVPLS-Spectral power distribution Colour

Technilamp® TLR 31 180° - Area coverage 25m² Wall Mounted

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	25m ²			
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 – 20μm ² 5.0M – 10μm ²			
Lower Safe Working Zone	0.2-0.4μm ²			



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

Product data 871150071083380

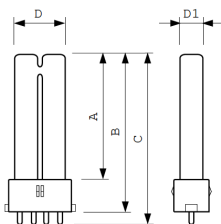
Full product code TUVPL-S)W/4P

Order Product name 927901904007

Material no (12 NC) 30.000 g

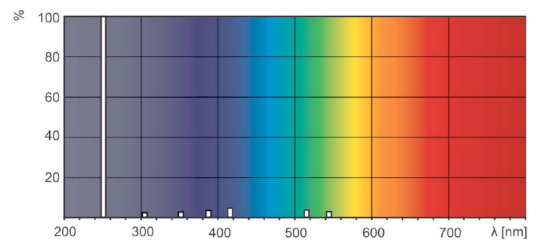
Net weight

Dimensional drawing



XDPB_XUTUVPLS-Spectral power distribution B/W

Photometric data



XDPO_XUTUVPLS-Spectral power distribution Colour

Technilamp® TLR 3290° Area coverage 12m² Corner Mounted

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



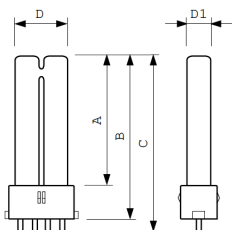
Description Specification

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			12m ²	
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 – 20µm ² 5.0M – 10µm ²	
Lower Safe Working Zone			0.2-0.4µm ²	

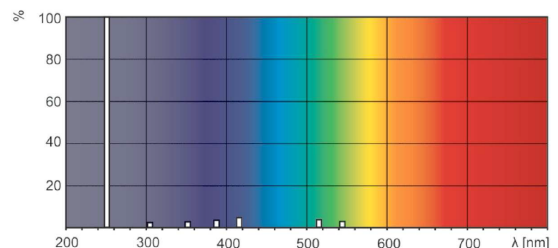


**TUV PL-S
TUV PL-S 9W/4P**

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 Specified)	UV-C Radiation	
Depreciation and useful time life	20%	Product data	87115007108380
	8.6W	Full product code	TUVPL-S)W/4P
Operational and Electrical	0.17A	Order Product name	927901904007
Power (Rated) Nom		Material no (12 NC)	30.000 g
Lamp current (Nom.)	87115000710833	Net weight	
EAN/UPC - product	927901904007	Photometric data	
Order code	1		
Numerator- quantity per pack	60		
SAP nemerator - packs per outer box			
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.

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