



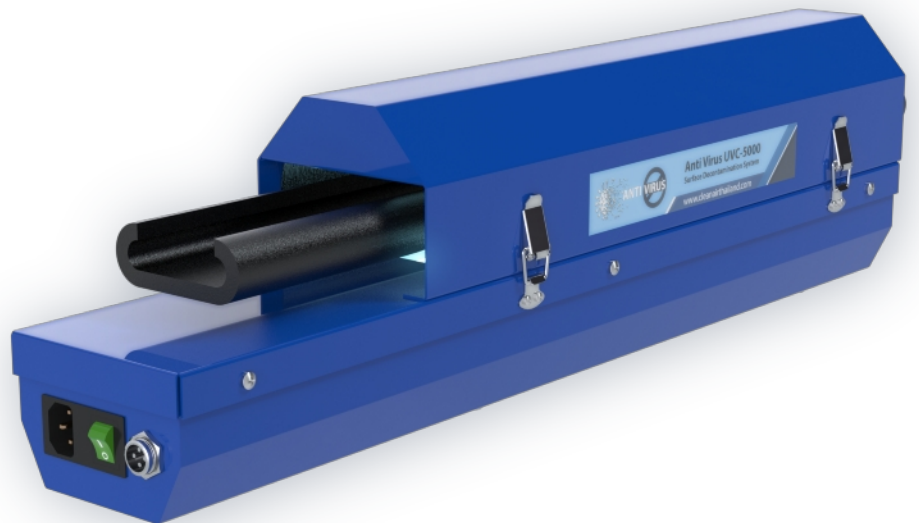
99.999% KILL RATE  
FOR SARS-Cov-2 (Coronavirus)

## AntiVIRUS UVC-5000

### Ultraviolet Handrail Disinfection System

#### PHILIPS UV-C TECHNOLOGY

UV-C ultraviolet light energy has long been recognized as one of the most effective methods of controlling airborne and surface contamination by viruses, bacteria, mold spore and other harmful contaminants





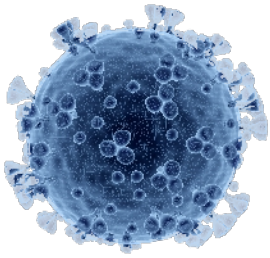


**SAFE TOUCH**  
Ultraviolet Handrail  
Disinfection System

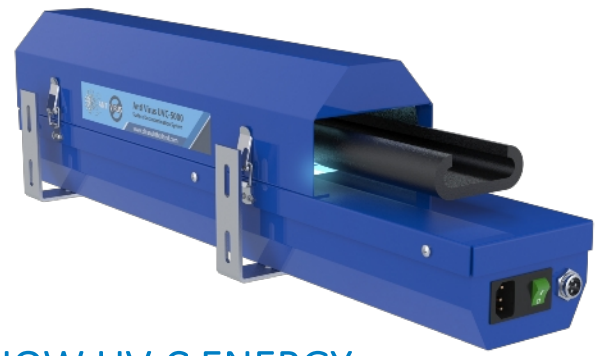
Peace  
of mind  
for all  
Escalator  
users







# PROTECTION Against COVID-19



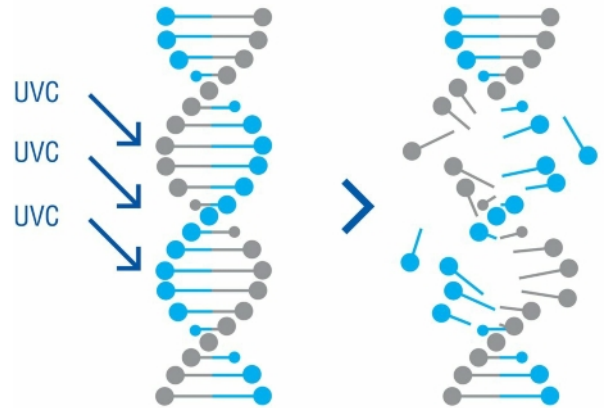
## HIGH TOUCH SURFACE PROTECTION



The SARS-CoV-2 virus can survive on the smooth rubber surface of an escalator handrail for up to 3 days (72 hours). This makes the handrail an excellent transfer mechanism for the contaminant, endangering all escalator passengers who touch the surface of the handrail.

The Handrail is an essential safety measure for all users of an escalator. If passengers do not place their hands on the handrail the risk of falls and accidents increase dramatically.

## HOW UV-C ENERGY DESTROYS VIRUSES



UV-C band ultraviolet energy, at the wavelength of 254nm, inactivates microorganisms at a molecular level by damaging their DNA structure.

Once the DNA is damaged beyond repair by UV-C, the contaminant becomes harmless and it cannot replicate, thus removing the threat of the virus or bacteria.

UV-C energy's effectiveness has been documented for over a century.

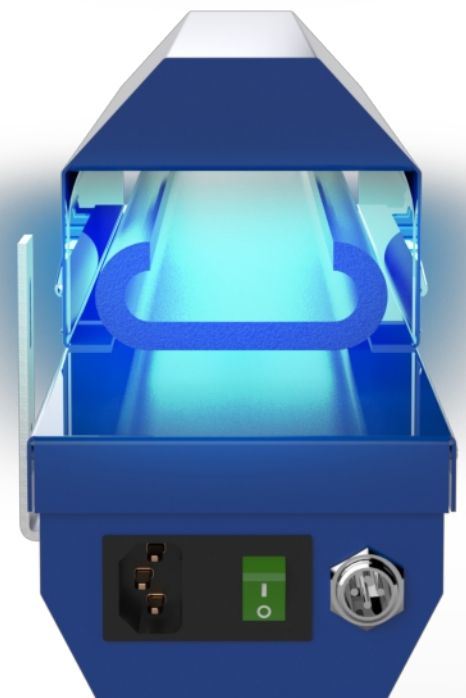
## ULTRAVIOLET ENERGY REDUCES THE RISK

The AntiVIRUS UVC-5000 ultraviolet disinfection system is the most effective answer to issues of handrail surface contamination by viruses and bacteria.

The unit supplies constant and powerful UV-C ultraviolet energy to the moving handrail at a distance of only 30mm. If the handrail stops, the unit automatically switches off.

On an escalator being used in standard operation mode (traveling at 0.6 m/s) the SARS-CoV-2 virus is reduced by 99.999% every two (2) cycles.

In 'standby mode' - the handrail moving at 0.2 m/s - the UVC-5000 removes 99.999% of SARS-CoV-2 with EVERY CYCLE.



# SPECIFICATIONS

ITEM	DETAILS
Weight	5kg
Dimensions (L x W x H)	625mm x 115mm x 170mm
Power Consumption	78W
UV-C Output @ 1-Metre	350 - 460 $\mu$ Ws/CM <sup>2</sup>
UV-C Output @ 30mm	10,780 $\mu$ Ws/CM <sup>2</sup>
Contact Time with Handrail Moving at 0.5 m/s	0.80 Seconds
SARS-CoV-2 Kill Rate @ 0.5 m/s Handrail Speed	99.999% Kill rate with every cycle of the handrail
Contact Time with Handrail Moving at 0.2 m/s (standby)	2 Seconds
SARS-CoV-2 Kill Rate @ 0.2 m/s Handrail Speed	99.999% Kill rate with every cycle of the handrail
PHILIPS UV Tube Lifespan	9,000 Hours (375 Continuous Days)

**IMPORTANT!** Other, lower-powered systems available in the market will take up to 30 cycles of the handrail to perform their claimed 99.999% kill rate. The UVC-5000 unit is the most powerful system currently available.

# FEATURES & BENEFITS

**01**

Durable construction of 1.2mm powder coated mild steel and polished aluminium

**02**

There is a 10-second delay before the system switches on which protects the engineer during routine maintenance

**03**

Integrated test button allowing an engineer to check if the tubes are functioning properly without the need to physically move the escalator

**04**

Quick installation time of approximately 2 hours per handrail

**05**

Single signal from the motor contact is required to ensure the system switches on only once the handrail is moving

**06**

LED Indicator panel is supplied that is installed onto the inner decking which illuminates to show that both UV tubes are functioning properly

**07**

Does not require removal when engineers change the handrail, saving valuable labour time

**08**

Plug & Play design allows removal/replacement of the system without the requirement to disconnect wiring and/or perform time-consuming fault finding tasks

**09**

The unit is a self-contained system designed to repel dust and debris caused during normal escalator use