

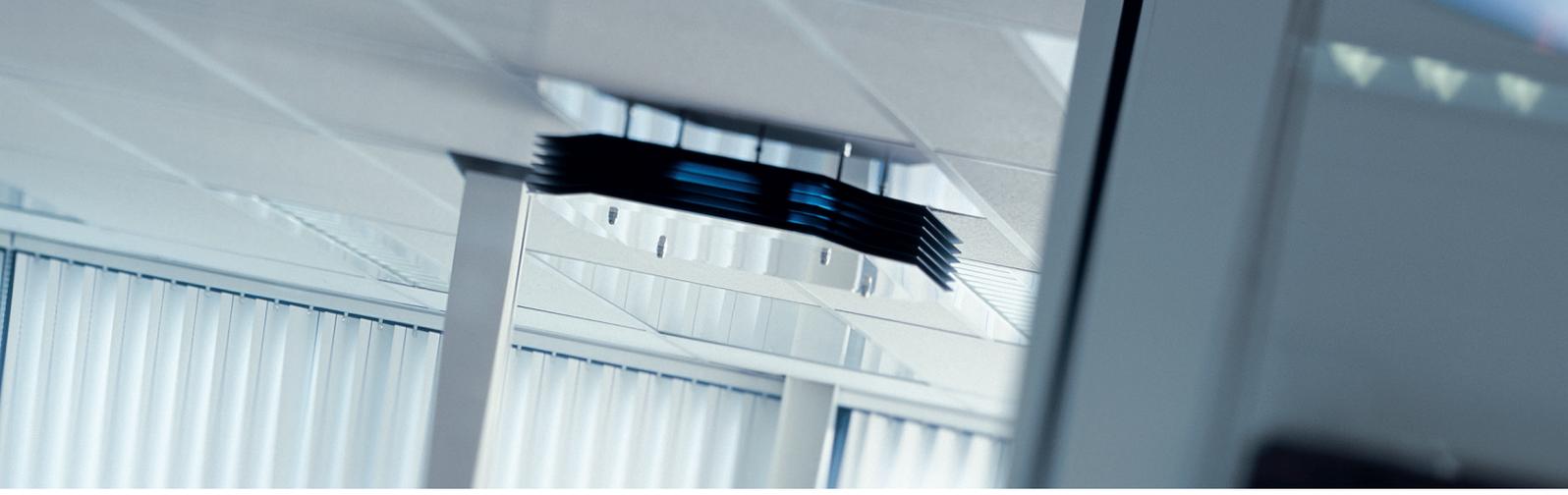


Upper-Room Air Disinfection

# Enhancing infection prevention

With innovative and reliable UV systems





## Reliable protection is paramount

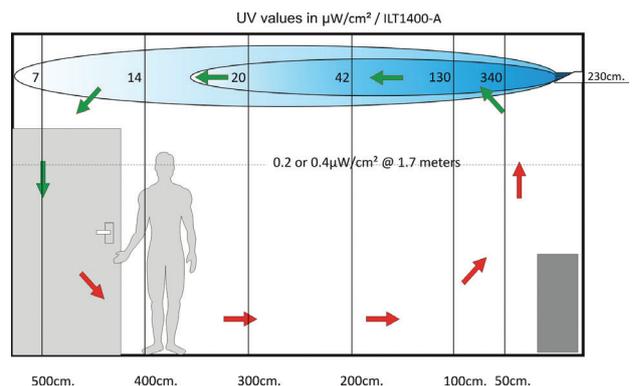
Airborne viruses and bacteria such as Tuberculosis contaminate the air trapped indoors and can pose a real health threat. Upper-Room UVGI is a proven infection control measure that can have an effect similar to 10-20 ACH; seriously enhancing your environmental infection control levels. Upper-Room UVGI requires not only a system that ensures high output of UVGI in the Upper-Room and safe levels in the lower part of the room, but a reliable lamp/ballast combination, a solid construction and coating as well. In addition to this, ease of installation

and maintenance are very important too. All G.L.A. fixtures are designed with these important features in mind. Furthermore we can guide you through the entire process of planning, installing and maintaining the installation. We can provide standard operating procedures but also train personnel, at home and abroad, in maintaining UV-systems and measuring UV-levels. With our products, services and over 25 years of experience we will make sure you will have a safe and effective UV-installation for the long term.

## What is Upper-Room UVGI?

G.L.A.'s Upper-Room UV systems are powerful instruments to disinfect the upper air layers within rooms. Because they use parabolic reflectors, and non-reflective lamellas they are able to create a germicidal zone of UV rays that is strictly confined to the upper part of a room, leaving the lower part of the room within safe levels. Natural or mechanical ventilation within rooms ensures that the contaminated room-air passes through the UV-C zone and will be disinfected. This method is also called zone irradiation or upper air irradiation.

Independent studies have demonstrated the effectiveness of Upper-Room UVGI and it has become an important and effective addition to other infection control measures. Well planned and maintained Upper-Room UVGI will help prevent transmission of airborne diseases.



# Products



## APF-CM series

This ceiling mount fixture features a full aluminium construction with a 360° beam pattern. Available in 2/3/4x9W and 2/3/4x18W.



## APF-WM series

This wall mount fixture features a full aluminium construction with adjustable louvers. This fixture is also prepared for back to back ceiling mount. Available in 1/2x15W and 1/2x30W.



## APF-WMH series

This aluminium wall mount fixture has no louvers but can be equipped with a valve to adjust radiation levels. It is an open style fixture with a parabolic reflector directing radiation upward at a 45° angle. Available in 1x15W and 1x30W.



## OUV-series

This stainless steel open style fixture is suited for wall or back to back ceiling (pendant) mount. Suited for rooms with high ceilings. Available in several wattages.

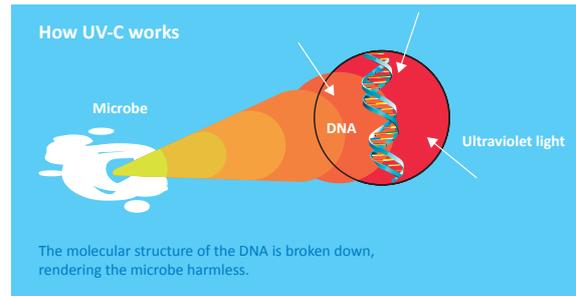
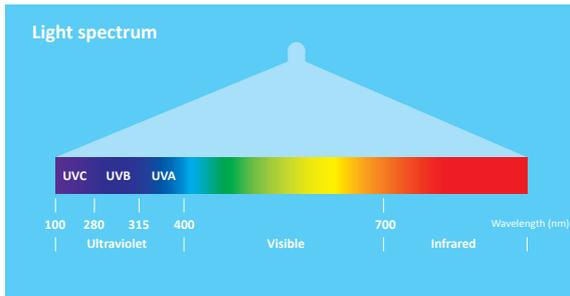
**Discover us @ [www.gla-uvc.nl](http://www.gla-uvc.nl)**

For data sheets, information & pricing please contact us at [info@gla-uvc.nl](mailto:info@gla-uvc.nl) or call +31 228 322673

*G.L.A. – Germicidal Lamps & Applications - is a customer-oriented company focused on delivering quality products, services and solutions to its customers. G.L.A. is located in Enkhuizen, The Netherlands. Since 1985, G.L.A. specializes in UV-C light. G.L.A. advises, designs, manufactures, sells and maintains a complete line of UV-C equipment for air and surface disinfection. We work closely with our customers to come to optimal and sustainable results.*

# UV Technology

Ultra-Violet (UV) light is invisible to human eyes. It can be subdivided into three categories: UVA, UVB and UVC. UV-A from 315 to 400 nm UV-B from 280 to 315 nm UV-C from 100 to 280 nm. UVC radiation is known to break the DNA of bacteria, viruses and spores. As a result, they are rendered harmless. No disinfection by-products (DBPs) of health concern are formed. UV radiation can be used for multiple purposes in water and air treatments, but is primarily employed as a disinfection process that inactivates micro-organisms without chemicals. The effect caused by UVC has been known for more than 100 years and a variety of applications for disinfection are successfully being used around the globe.



## Advantages for using UVC in air disinfection:

- Effective for all types of micro-organisms
- Low capital and operating cost
- Easy to operate and maintain
- Safe and environmentally-friendly
- Special lamp glass filters out the 185 nm ozone-forming radiation

## Lowest mercury content for a better environment

Philips has always taken the lead in reducing the amount of mercury required to operate fluorescent lamps. In addition, a unique mercury dosing capsule has been developed, that allows for minimum mercury content while providing optimum product performance and contributing to a better environment for all.



Philips TUV T8



Philips TUV T5



Philips TUV PL-L



Philips TUV PL-S

## High quality lamps with the power to perform

Philips has a unique fully automated manufacturing process in place for lamp assembly. This process matches exactly the patented lamp making technology and is supported by vision systems for optical checks on our products and processes. All lamps that do not fulfill the exact requirements are automatically rejected during the manufacturing process. As a result, the high performance and quality of the lamps can be guaranteed.

## Philips Purification lamps

Philips UV Purification lamp systems provide a safe, reliable and sustainable solution. Ideal for use in ventilation air ducts and air disinfection units of stand alone upper air purifiers. They help to protect against airborne pathogens, creating a safer and healthier indoor environment with the power of light. Philips offers a full range of UV lamps, drivers and sleeves used for air and water disinfection.

