

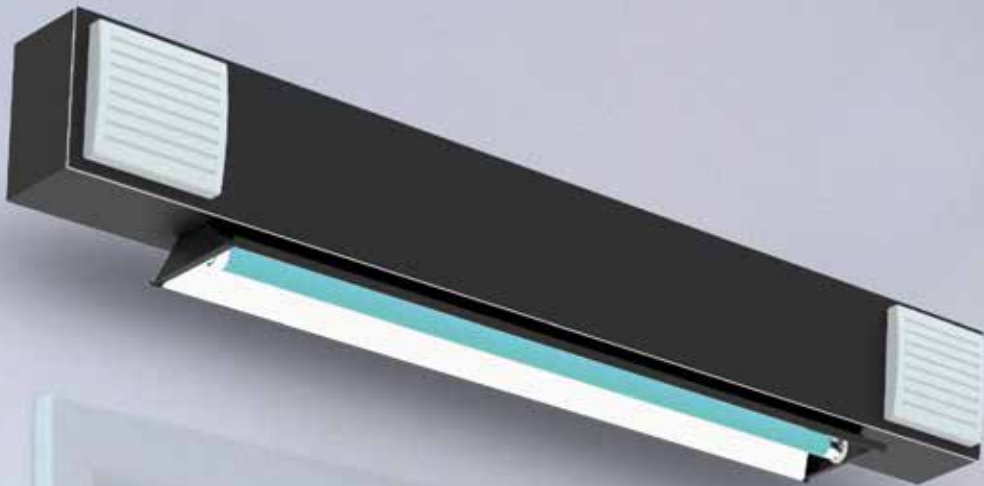


# UVC DISINFECTION SYSTEMS

Anti-Covid-19



[www.luxibel.com](http://www.luxibel.com)



# UVC DISINFECTION SYSTEMS

Antibacterial | Antivirus | Antifungal | Anti-mold

Increasingly, we spend more time indoors, for example at work, in airplanes, schools and shopping malls.

The air we breathe in these environments is anything but clean. In fact, it's often re-circulated along with all the bacteria, viruses, pollen, smoke and toxic gases that are trapped along with it.

In hospitals this can be a real problem. hospital-acquired infections affect around 10% of patients during their stay. And there is increasing evidence that up to 20% of these infections, like the flu, moulds, pneumonia and MRSA, is transmitted via the air, at a huge price, both in terms of human life and financial costs. Tuberculosis is even 100% transmitted via the air.

Luxibel UVC purification lamp systems provide a safe,

reliable and sustainable solution. Ideal for use in ventilation air ducts, air disinfection units or stand-alone air purifiers.

These types of UVC purification systems from Luxibel can also be used for surface disinfection in the food and beverage industries, hospital rooms, pharmacy shops, surface disinfection in public transport like buses, airplanes etc. They help protect against airborne pathogens, creating a safer and healthier indoor environment with the power of light.

**Made in Europe with high quality Philips light sources. ■**



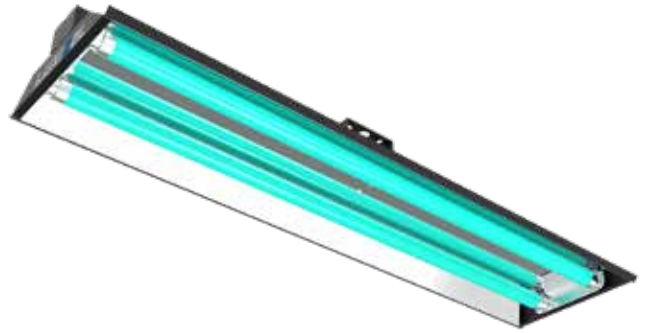
## CAN UVC HELP PREVENT COVID-19 TRANSMISSION BY REDUCING CONTAMINATION?

The International Ultraviolet Association (IUVA) believes that UV disinfection technologies can play a role in a multiple barrier approach to reducing the transmission of the virus causing COVID-19, SARS-CoV-2, based on current disinfection data and empirical evidence. UV is a known disinfectant that can help to mitigate the risk of acquiring an infection in contact with the COVID-19 virus when applied correctly.

A photograph of a clinical room. On the left is a white door with a silver handle and a small metal latch. Above the door is a long, black UVC light fixture with a glowing green tube. To the right of the door is a white wall with a round analog clock showing approximately 10:10. Below the clock is a medical lamp with a white shade and a black base. In the foreground, there are several blue medical tubes or cables. The overall scene is brightly lit and clean.

## BENEFITS OF UVC TECHNOLOGY

- UVC radiation has been proven to be effective against waterborne and airborne pathogenic micro-organisms including those responsible for cholera, hepatitis, polio, typhoid, giardia, cryptosporidium and many other bacterial, viral and parasitic diseases
- UVC installations have low capital and operation cost
- UVC technology is environmentally friendly
- UVC installations are easy to operate and to maintain
- UVC radiation has no harmful effect when overdosed on surfaces, water or air
- UVC radiation works instantly and the effectiveness does not depend on the temperature
- UVC disinfection is a physical process: no substances are added
- The UVC disinfection effect is directly related to the UV dose (which is the product of intensity and exposure time of the micro-organisms) so it's effectiveness can be simply measured once the system design is validated



Disinfects air and surface, prevents secondary infections and eliminates bacteria, viruses and fungal and mold spores in the air. Use in production halls, hospitals, health care facilities, pharmacies, public transport and many more. All direct radiating fixtures are equipped with a double security with movement sensor and LED light + sound alarm.


## B DIRECT


- Disinfection time < 15 min
- 1x 20 W Philips radiator (254nm UVC)
- Mounting: wall, ceiling or tripod
- Protective foil for radiator (on request)
- Radiators replacement: once a year
- Double security with movement sensor and LED light + sound alarm

**m<sup>2</sup>** Coverage: up to 22 m<sup>2</sup>

 1x TUV 55 W HO

 IP20

 57 W AC 220 - 240 V 50/60 Hz

 940 x 135 x 165 mm


 5,0 kg


## B DIRECT II


- Disinfection time < 15 min
- 2x 20 W Philips radiator (254nm UVC)
- Mounting: wall, ceiling or tripod
- Protective foil for radiator (on request)
- Radiators replacement: once a year
- Double security with movement sensor and LED light + sound alarm


**m<sup>2</sup>** Coverage: up to 38 m<sup>2</sup>

 2x TUV 55 W HO

 IP20

 112 W AC 220 - 240 V 50/60 Hz

 940 x 135 x 245 mm

 5,3 kg

## Available accessories



Mounting arm



Wireless control (individual)

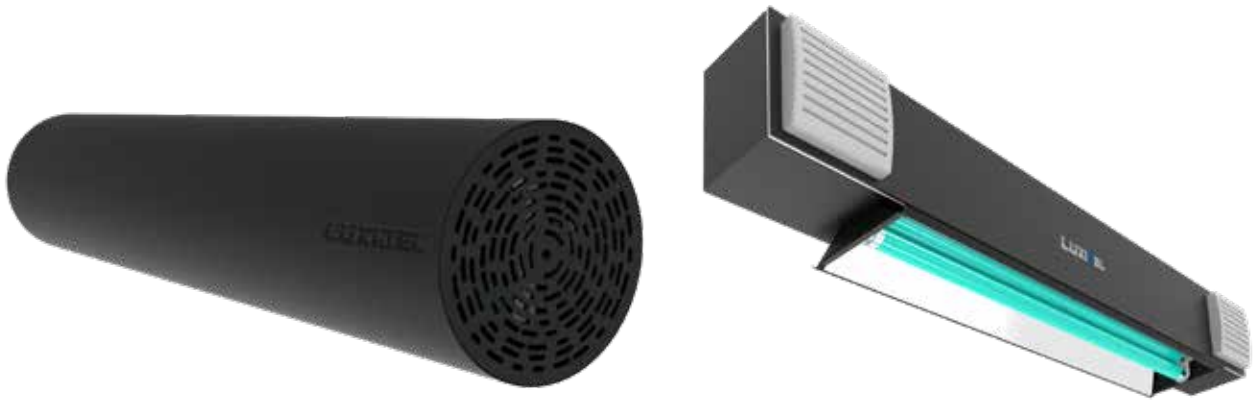


Movement sensor (standard incl.)



### Important safety instructions!


Never allow human beings under direct radiation of UVC. Full safety instructions on [www.Luxibel.com](http://www.Luxibel.com).





24h air disinfection in the presence of people and animals. Eliminates bacteria, viruses and fungal and mold spores in the air. Use in production halls, health care facilities, pharmacies, public transport, shops and many more.

## B AIR


- 2x 15 W Philips radiator (254nm UVC)
- Mounting: wall, ceiling or tripod
- Recommended uptime: 24h
- Air filter replacement: depending on the usage (twice a year recommended)
- Radiators replacement: once a year


 117 m³/h


 Coverage: up to 25 m²

 2x TUV 30 W

 IP20


 88 W AC 220 - 240 V 50/60 Hz


 1.300 x 250 x 305 mm

 9 kg

## B HYBRID


- Disinfection time < 15 min
- 2x 15 W+ 1x 20 W Philips radiator (254nm UVC)
- Mounting: wall, ceiling or tripod
- Recommended uptime: 24h
- Protective foil for radiator (on request)
- Air filter replacement: depending on the usage (twice a year recommended)
- Radiators replacement: once a year
- Double security with movement sensor and LED light + sound alarm


 117 m³/h


 Coverage: up to 22 m² (direct) and 25m² (indirect)

 1x TUV 55 W HO + 2x TUV 30 W

 IP20

 138 W AC 220 - 240 V 50/60 Hz

 1.300 x 245 x 180 mm

 11 kg

## Available accessories



Mounting arm



Wireless control (individual)



Activated carbon air filter



Movement sensor (standard incl. with B Hybrid)



### Important safety instructions!

Never allow human beings under direct radiation of UVC. Full safety instructions on [www.Luxibel.com](http://www.Luxibel.com).

# EXTRA INFORMATION

BBC: "Though there hasn't been any research looking at how UVC affects Covid-19 specifically, studies have shown that it can be used against other coronaviruses, such as Sars. The radiation warps the structure of their genetic material and prevents the viral particles from making more copies of themselves. As a result, a concentrated form of UVC is now on the front line in the fight against Covid-19. ■

## Articles

***IUVA Fact Sheet on UV Disinfection for COVID-19***

***International Business Times: Can UV Light Kill Coronavirus?***

***Digital Trends: UV light is nature's disinfectant***

## Videos

***How virus transmits? Japanese captured it on highly powerful camera.***

***Similar solutions available for UV radiation have already been selected from various cities in this city of Shanghai, where UV disinfection is available on all city buses.***

***Fox News: coronavirus spreads from a single cough in a supermarket***

## UVC IS APPLICABLE IN THE FOLLOWING FIELDS:

- Offices
- Military
- Schools
- Hospitals
- TV studios
- Supermarkets
- Large companies
- Retirement Homes
- Petrol station chains
- Public transportation
- Medical equipment wholesalers
- Electrical products wholesalers
- Public and government buildings
- Medical equipment manufacturers





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