

HIGYAbox

UV-C LED disinfection chamber

Fighting COVID-19

99,95%* efficacy
in inactivating the viral load



265 nm UV-C LED disinfection chamber for sterilization of small personal items, such as keys, masks (PPE) or cell phones, for use at home or in the workplace.

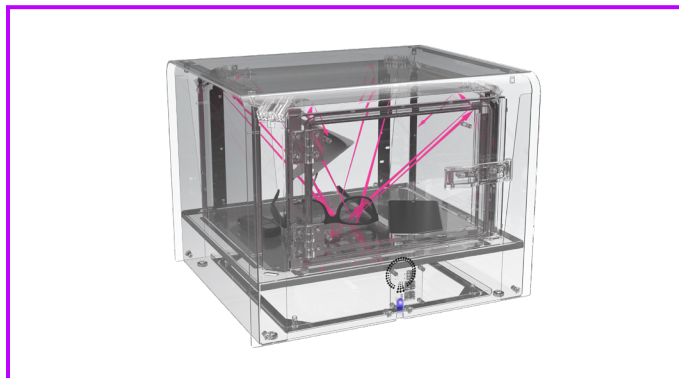
BENEFITS

- ◆ Proven 99.95%* disinfection efficacy against SARS-CoV-2.
- ◆ Easy to use - just close the door to activate the disinfection cycle.
- ◆ Ultra-fast - disinfection carried out in only 90 seconds (3.3 log).
- ◆ Safe to use - in a closed chamber.
- ◆ Robust design and silent mode.

APPLICATIONS

The HIGYA LED disinfection product range UV-C 265 nm can be applied in a multitude of professional environments and public spaces.

Libraries | Households | Day care centers | Schools and kindergartens | Offices | Industry | Hospitality | Restaurants



265 nm LED UV-C disinfection chamber for sterilizing small personal items, such as keys, masks (PPE), cell phones or tablets, for use at home or in the workplace. In just 90 seconds, the disinfection cycle is complete.

The application of timed and controlled UV-C radiation allows the inactivation of viruses and bacteria. Working only when the door is closed, it poses no safety risk to people.

Thanks to an optimized light distribution for a higher disinfection volume, no shadow areas, and a mirrored inner lining.

With its compact design HIGYA BOX can be used at home or in work environments, for the use of employees, customers, or suppliers.

Fighting COVID-19

**99,95%* efficacy
in inactivating the viral load**

* The test performed by the *Instituto de Medicina Molecular | João Lobo Antunes*, on the product HIGYA BOX, to determine the antiviral activity of UV-C 265 nm irradiation against SARS-CoV-2 showed an excellent antiviral effect. With a single decontamination cycle, the viral load was reduced by more than 3.33 logs, which is a reduction of more than 99.95%.

CHARACTERISTICS

- ◆ It uses innovative LED technology that emits at the 265 nm wavelength, ideal for absorption by the RNA constituent of viruses and the DNA of bacteria.
- ◆ Large disinfection volume capacity can accommodate 12"1" tablets.
- ◆ Extended service life of approximately 100,000 cycles. Professional use of 50 cycles per day equals 5.5 years.

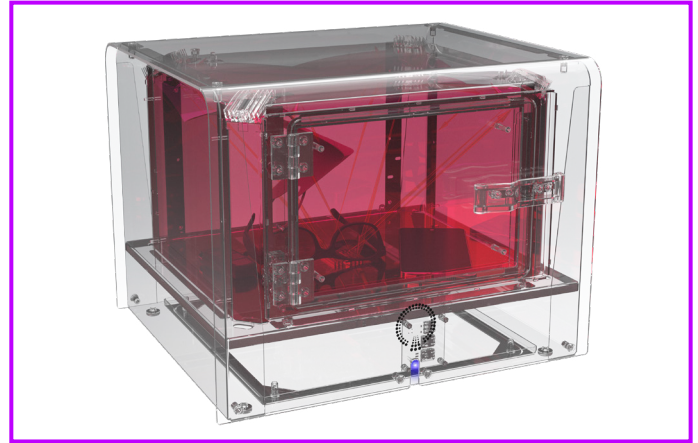
Power Supply	220 – 240 Vac ~50-60Hz
Power cable	1,8 m long
Electrical insulation	Class I (requires grounding)
Consumption	20 W
Driver	Meanwell APV-35-36
Light Source	4 x 1 LED UV-C
UV-C wavelength	265 nm
Coverage volume	31.4 dm ³
Disinfection duration	90 seconds (3,3 log)
Lifespan*	100 000 cycles
Protection index (IEC - EN 60598)	IP20
Overall dimensions (WxHxD)	415 x 318 x 370 mm
Warranty	2 years

*When the projected number of cycles is reached, the indicator LED flashes at the beginning of the cycle, indicating the end of the equipment's useful life. end of the useful life of the equipment.

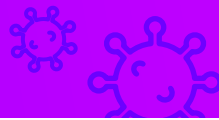
SAFETY

The HIGYA BOX is equipped with safety features and devices, such as:

- ◆ Micro switch for door closed recognition, starting the disinfection cycle.
- ◆ LED warning that the device is performing a disinfection cycle.
- ◆ Watertight chassis designed so that there is no irradiation to the outside.
- ◆ Safety switch, on the back of the device, which can be used in case the equipment needs to be stopped.



FIGHTING COVID-19



The sterilizing ability of ultraviolet radiation is recognized and is helping to combat COVID-19, allowing disinfection of the air over large areas, and is a safe application with proven efficacy.

In the context of the SARS-CoV-19 pandemic, the disinfecting potential of the 265 nm UV-C LED, applied to specialized devices, is an excellent tool to help reduce transmission of the SARS-CoV-2 virus.

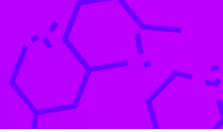
BENEFITS OF THE UV-C LED TECHNOLOGY

The 265 nm UV-C LED has several advantages over other conventional C-type ultraviolet light emitting sources:

- ◆ It is a source with less environmental impact.
- ◆ It can be turned on and off uninterruptedly without affecting its useful life.
- ◆ The emission technology of the 265 nm UV-C LED has no Ozone (O₃) emissions.
- ◆ It “lights up” immediately, without the need for heating.

HIGYA UV-C LED DEVICES

Safe: no exposure to ultraviolet radiation.



ARQUILED HIGYA product range consists of air and surface disinfection devices, equipped with LED UV-C 265 nm, which use the germicidal action of ultraviolet radiation to kill viruses and bacteria.

These devices operate at UV-C length 265 nm, ideal for absorption by the constitutive RNA of viruses and the DNA of bacteria and have a proven 99.95%* effectiveness in inactivating the viral load.

Arquiled is a native of LED technology, having pioneered in Europe the development of LED lighting for different segments such as scenic, architectural, and public lighting, and now also the integration of UV-C LED into air and surface disinfection devices.

HIGYAbox

HIGYAlight

HIGYAair

SAFETY PRECAUTIONS

HIGYA BOX is intended exclusively for disinfecting objects. The equipment may only be used for disinfecting objects and in accordance with the instructions for use and is not intended for any other applications. This equipment is not approved or certified as a medical device.

Arquiled - Projectos de Iluminação S.A., with headquarters in Rua C - Zona Industrial, Lote 40, 7490-328 Mora, Portugal, accepts no responsibility for material damage, including product damage or personal injury caused by the user's failure to follow the safety instructions in the manual or applicable legislation.

