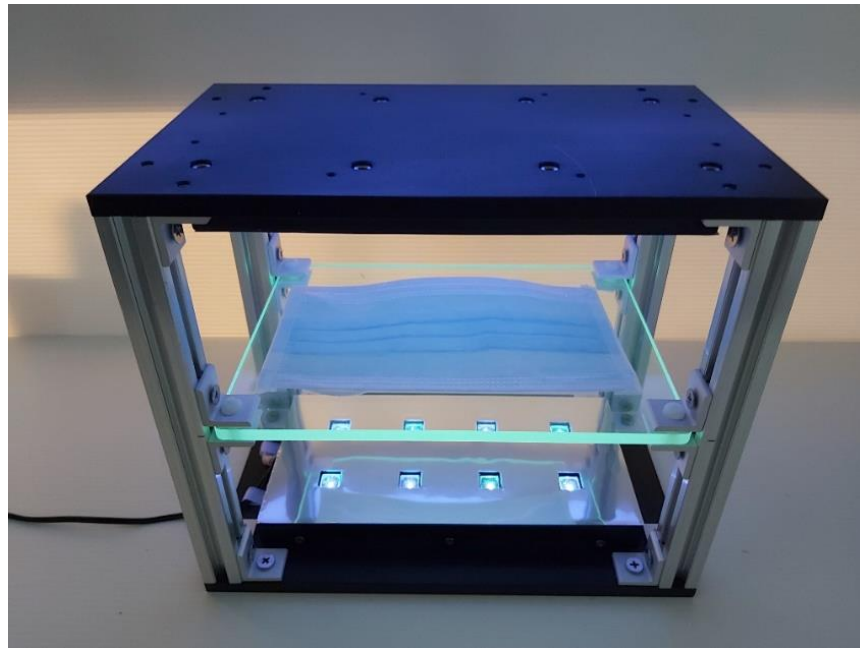


[OEUV-100]

## UV-C LED Disinfection Unit (for face masks, cell phones, etc.)



### Features:

- Small and compact design
- Two separate arrays of UV-C LEDs for complete double-side coverage
- Power module with control of the exposure time
- Pedal switch-on button
- Turn-key solution
- Easy to use, maintenance-free, cost effective.
- Non-toxic, chemical-free, eco-friendly
- Reducing the environmental footprint by allowing multiple use of a single face mask

### Applications:

- Disinfection and sterilizing of face masks, cell phones, and other small objects.
- In medical and healthcare facilities, schools, factories, retail stores, etc.
- In research and development.

### Product description:

The UV light, with its unique wavelength between 200 and 300 nm, is capable of inactivating microorganisms, such as bacteria, viruses, and protozoa. UV-C light can destroy their DNA, causing them to lose their ability to reproduce and therefore die, achieving the effect of disinfection and sterilization. Also, UV light can demolish all the chemical contaminants like pesticides, industrial solvents, and pharmaceuticals.

The UV-C LED for disinfection offers a small and compact solution for disinfection and sterilizing of face mask, cell phones, etc. It features two separate arrays of powerful UV-LEDs, which are mounted on the bottom and top of the enclosure. The object to be disinfected is placed on a transparent quartz plate in the middle of the two UV-C LED arrays. The inside surfaces of the lamp enclosure are designed to provide multiple reflections of the light, which results in continuous and effective exposure of the object that needs to be disinfected. UV-C LED works quickly, safely, and is easy to install, use and no regular maintenance is needed.

The UV-C LED disinfection unit comes in a turn-key solution, which also includes power supply module, and pedal foot switch. The power supply module features a built-in timer, with which the user can adjust the exposure time. With the pedal switch, lamp emission can be easily enabling with foot.

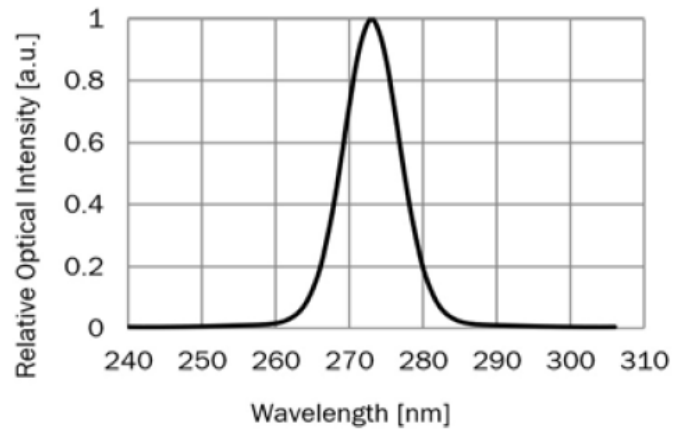
The device is environmentally friendly. There are no harmful substances, it is toxic-free, as no poisonous chemical are being left behind after use. Due to its a physical process, there is no use of harsh chemicals as in standard cleaning and sanitizing products. When disinfected, a single-use face mask can be re-used multiple times, which is reducing the environmental footprint as less waste would be generated.

### Product specifications:

Parameter	Unit	Value
Wavelength Range	nm	265 - 275
Radiant flux (total)	W	0.6 – 1.0
Dimensions of lamp, LxWxH	mm	250x150x220
Dimensions of object to be sterilized (max), LxWxH	mm	200x150x100
Power supply module	-	AC 110-240V/50-60Hz
Timer adjust	-	1 s – 9999 min
Pedal foot switch	-	included
Operating temperature	°C	5 - 45



## UV Lamp emission spectrum:



## Safety warnings:

PLEASE OBSERVE UV SAFETY PRECAUTIONS. PROTECT YOUR EYS AND SKIN FROM UV EXPOSURE.

Do not expose skin or eyes to direct or indirect UV rays as this can be harmful to these areas!

Do not look directly into the UV light!