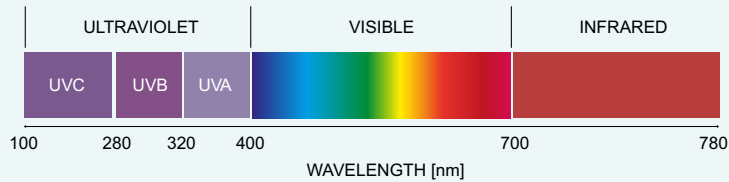


# STERILISATION AND AIR SANITISING

Since Covid-19 PUBLIC BUILDINGS, HOSPITALS, HOTELS, OFFICES and SHOPS, have been subject to enhanced disinfection and sanitisation regimes to make them safer for the environments in which you live and work every day.

Wavelengths UV-C rays: from 200 nm to 280 nm have shown to be the most effective for disinfection

Ultraviolet rays considered germicidal are short wavelength UV-C.



## ADVANTAGES of UV-C LEDS ARE:

Fighting and eliminating viruses, bacteria, mold, fungus;

Sanitisation and sterilisation;

Improvement of air quality and compliant with safety rules and regulations.

Ilmas has decided to create a new line of products for sterilising the air in the environments we all visit thanks to the use of UV-C LEDs.

Thanks to the light emitted by UV-C LEDs and an innovative system of air intake, directly inserted into the body of the fitting, it is possible to sanitise the air and make the rooms a safer environment.

LEDs have the instantaneous ability to provide the maximum power at the moment of ignition, without any "warm-up" time. This peculiarity of LEDs makes them immediately usable for the purpose, without any waiting time.



REVOLUTIONARY SUCTION SYSTEM



**1 FITTING FOR 100m<sup>3</sup> STERILISES 99% IN 8 HOURS**

Examples of how to configure the fittings

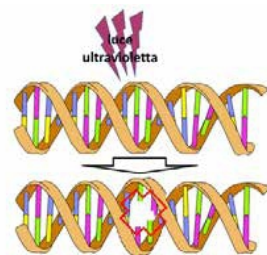
with 2 luminaires in a room of 100m<sup>3</sup> will produce 2 sterilisation cycles at 99% in 8 hours

To sterilise the air present in 1000m<sup>3</sup> to 99% for 1 cycle per day, you must install 10 SANIX luminaires

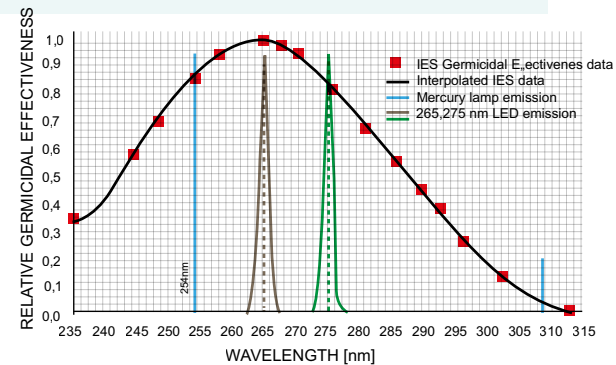
While to sterilise the air to 99% in 500m<sup>3</sup> for 3 cycles a day, they will have to install 15.

## LEDs DO NOT CONTAIN DANGEROUS SUBSTANCES

BECAUSE OF THEIR WAVELENGTH UV-C LEDS IMPROVE AIR QUALITY WITHOUT ANY HEALTH RISK



UV-C ultraviolet light acts on propellers of DNA and RNA, thus destroying viruses and bacteria



Germicidal effectiveness diagram different wavelengths and comparison of emission spectra of LEDs and a type of mercury lamp Source: IES