

GERMICIDE UVC LED BAR

to sanitize environments and surfaces



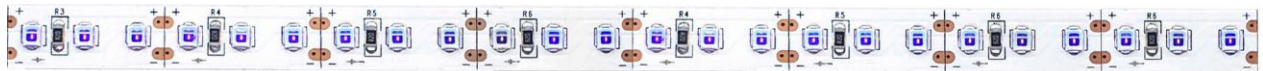
LED CO UVC LED BARS TO SANITIZE ENVIRONMENTS AND SURFACES

Ledco UVC LED bars, use germicidal ultraviolet radiation (UVGI), this is a sterilization and disinfection method that uses **UVC ultraviolet light** with wavelengths in the band between 280 and 100 nanometers, ensuring **total germicidal efficacy and sterilizing**.

UVC LED bars are suitable for **sanitizing any environment and surface**, the power of UVC rays **sterilizes from all types of micro-organisms**, such as bacteria, viruses, spores and protozoa, the cause of various diseases in humans and animals, including **COVID-19**.

It is possible to use the **UVC LED Bars** when the rooms are **empty, without the presence of people or animals**, imagine when leaving the office or shop, we will turn off the normal lights to turn on the germicidal **UVC LED**.

You can choose LED bars that act on a specific circumscribed area, think of a **desk or work bench**, or use larger LED that act on a large space, such as an **entire room**.



The UVC LEDCO LED Bars are a custom product, you can customize the profile and length of the bar.

BUT WHAT ARE SPOKE LED UVC GERMICIDES?

Germicidal ultraviolet radiation (UVGI - Ultraviolet Germicidal Irradiation) is a **sterilization method** that uses ultraviolet (UV) light with wavelengths included in the UV-C band (between 280 and 100 nanometers).

UV rays are divided into 3 types of **UVA** (320-400 nm), **UVB** (280-320 nm) and **UVC** (100-280 nm), each of these frequency bands causes different reactions on living organisms.

For example, UVA is the main stimulator of our tan.

UVC rays are not tolerated by living beings, at the beginning of the last century the first experiments highlighted the **anti-bacterial capacity of UVC ultraviolet**.

Sufficient absorption of UVC rays by micro-organisms causes a destruction, by photochemical reaction of DNA and RNA bonds, causing the **death of the bacterial cell**.

The wavelength of UVC rays that causes this sterilizing and antibacterial effect is harmful to humans, in fact our terrestrial atmosphere blocks this type of UV rays.

From these discoveries, **UVC LED with antibacterial germicidal effect** are born. These types of LED are already used in different sectors, some hospitals use UVGI sanitization to sterilize and sanitize environments using a pioneering machine with UVC lamps to sanitize hospital rooms in just 5 minutes.

WHERE CAN UVC LED BARS BE USED?

Ledco UVC LED bars are suitable for sanitizing various environments, you can apply them in small spaces, such as drawers, furniture, wardrobes, dressing rooms, or in entire rooms. Here are some application examples:

OFFICES: to sterilize desks, work surfaces and environments;

HAIRSTYLISTS AND BARBERS:

- to sterilize customers' jackets, apply UVC LED Bars in the wardrobe;
- to sterilize the work tools, insert the UVC LED Bars inside the drawers where the tools are contained;
- to sterilize all environments, add the UVC LED Bars to the salon lights.

BEAUTICIANS: to sterilize work surfaces and tools, as for hairdressers;

CLOTHING AND ACCESSORY STORES: to sterilize rooms and garments, apply the UVC LED Bars in a dressing room used for sterilization, after each test by a customer, the clothing will be sterilized in the appropriate dressing room;

HOUSES: to sterilize shoes and clothes, we can insert the UVC LED Bars in the shoe rack or in the closet, or to sterilize objects such as mobile phones or keys, we will insert the LED bars in a cabinet used for sterilization.

These are just some examples of application of UVC LED Bars.

Contact us for more information, we will study together the solution that best suits your needs.

Several hundred bacteria and viruses tested to date respond to disinfection of UVC rays.

UVC light kills at least two other relatives besides coronaviruses next of COVID-19: SARSCoV-1 (cause of SARS) and the MERS-CoV (cause of Middle Eastern Respiratory Syndrome).

CONTACT US TO REQUEST YOUR
UVC GERMICIDE LED BAR

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