



cUV

Defence light



Made in Italy



UVC portable
germicidal indoor lamp



diomede®



office



residential



Restaurants
and BAR



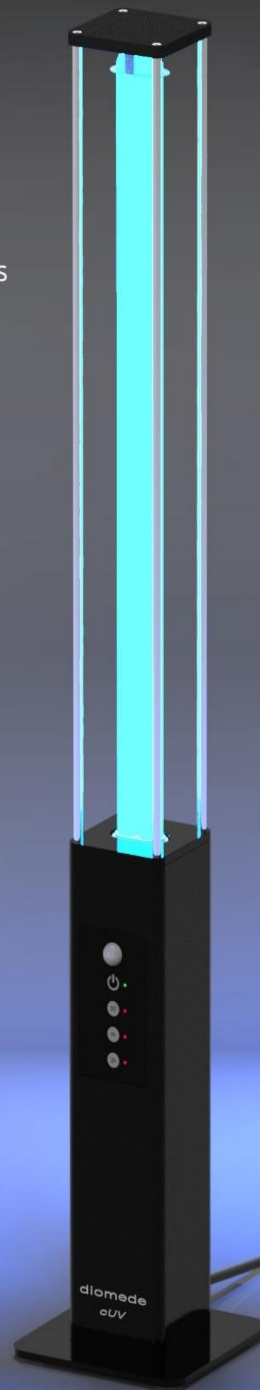
Public
Buildings



retail



hotels



UVC Germicidal Lamp

Ultraviolet light in the UVC band, at a frequency of 254nm, destroys the DNA bonds of viruses and bacteria: it is therefore the effective solution for sterilizing and sanitizing environments and objects.



UVC RAYS ARE DANGEROUS FOR SKIN AND EYES, FOLLOW THE USER MANUAL CAREFULLY

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A Germicidal function for all environments, without chemical

- The ultraviolet radiation germicidal lamp, can be used in all type of indoor environments where a fast, safe and non Chemical disinfection is needed.
- It is a type of disinfection, everyday used in the hospitals with powerful professional medical devices. Can you imagine a device of common use, such as a lamp, that could take maximum sanification in your rooms, common areas, waiting rooms, offices, shops, wellness centers and even in your own house. An Easy portable device for user and maximum germicidal efficiency.

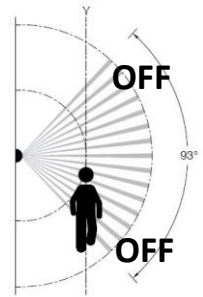


APPLICATION AREAS



In your own house an Easy portable device for user and maximum germicidal efficiency.

- 90% STERILIZING EFFICIENCY
- 253,7nm WAVELENGTH OF UV RAYS
- OZONE FREE, NONE OZONE RELEASE
- 360° ACTION AREA
- PIR SENSOR (presence) TO GRANT MAXIMUM SAFETY



cUV



UVC RAYS ARE DANGEROUS FOR SKIN AND EYES,
FOLLOW THE USER MANUAL CAREFULLY

PIR security sensor

3 different operating timer

30'' delayed start

90% germicidal efficiency

replaceable lamp

portable



360°
emission

253,7nm
UV wave length

0%
ozone emission

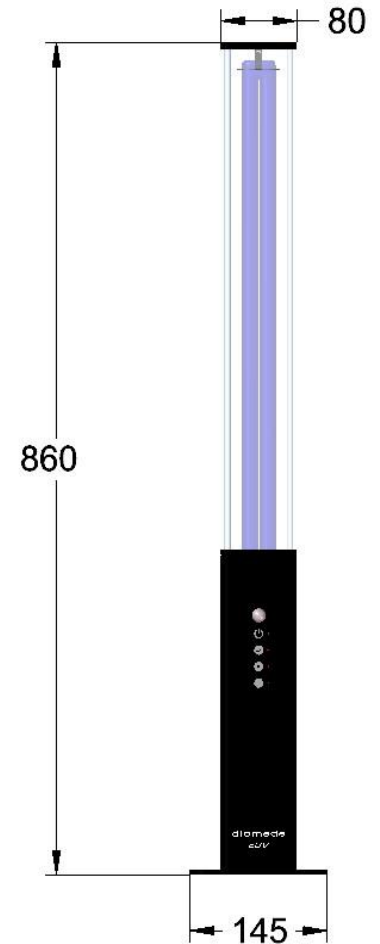
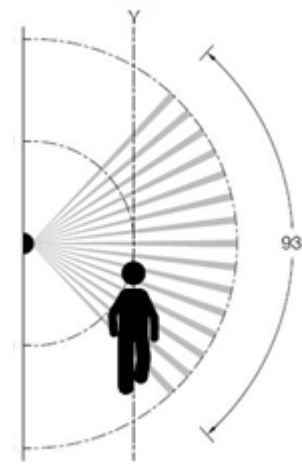
2m cable length, Schuko plug

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TECHNICAL SHEET

- Power of lamp 55W
- Output UV-C (253.7nm) 17W approx.
- Initial radiation UV-C 180uW/cm²
- Lamp average lifetime 6000hrs
- Operating temperature +10-50°C
- Total power absorb 60W
- Sensor PIR to switch off the lamp while humans or animals presence
- 3 timer setting (30min, 1hr e 2hrs)
- Cable lenght 2mt with Schuko plug
- OMS reported that UVC rays can cause severe damage on Skin and Eyes, carefully follow the user manual.



Do not stay in the area where the device is operating, exposure to UV rays can damage skin and eyes of humans and animals.



The lamp has a fixed power emission , therefore it is possible to select the irradiation time according to the volume of the room to be treated.

30 min. for Areas up to 5 sqm

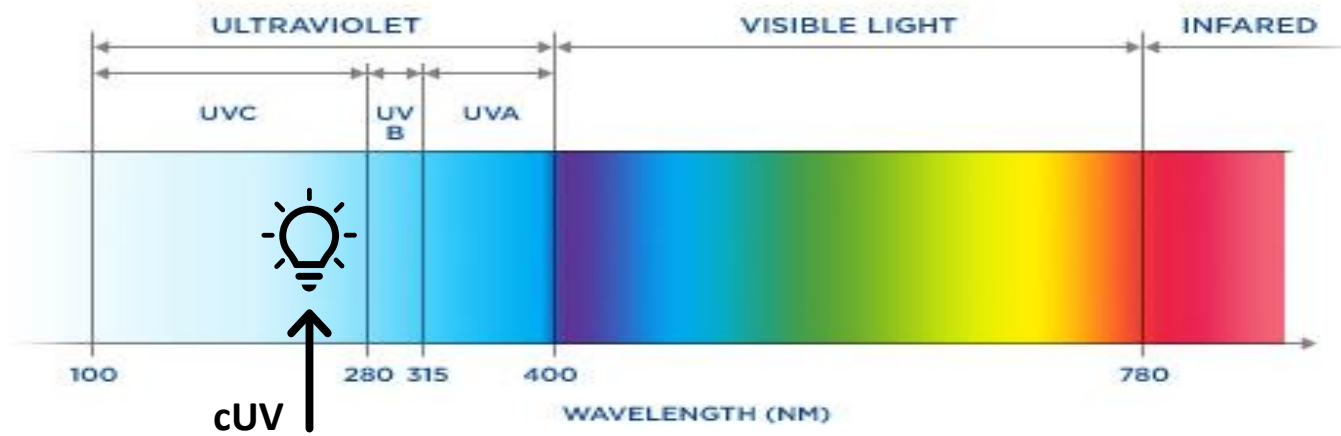
1 hr for Areas from 5mq to 15sqm

2 hrs for Areas over 15sqm

UVC sterilization – HOW ?

Germicidal efficacy is linked to four basic factors:

- The radiant power emitted by the source
- The time of exposure to such radiation
- The temperature during the operation
- The presence of obstacles in the environment (the germicidal effect occurs with direct radiation)



The Ultraviolet light is an electromagnetic radiation with a wavelength shorter than visible light, as illustrated in the below chart, its wavelength is between 100 and 400nm; a further subdivision classifies them in UVC (100-280nm) UVB (280-315nm) and UVA (315-400nm). At the end of the 1800s it was discovered that ultraviolet rays had a germicidal effect and at the beginning of the 1900s they began to experiment with these effects, including on human skin, identifying the effects of individual radiations. It was discovered that at a wavelength of 254nm, UV destroys the molecular bonds of the DNA of microorganisms (bacteria and viruses), determining their non-replicability and harmless. It is a process similar to the effect of UV of greater wavelength (UVB) on humans, such as

solar burns on skin or the eye's blinding effect of light; microorganisms have poor UV protection and cannot survive prolonged exposure- Therefore, starting from the use of a light source with these characteristics (radiation centered at 254nm) it is possible to create a lamp that has germicidal functions.- It must be considered that these lamps must not be shielded with transparent materials such as glass, as it has a filtering effect against UVC emissions by blocking more than 90% of them. The glass that composes these lamps is particular (it is a molten quartz tube) and has a filter effect at about 180nm. This is important to avoid ozone generation that would occur below this wavelength.

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let there be light

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