

### **Principle of sailon UVC lighting's germicidal bulbs**

The principle of Sailon's ultraviolet lamp, visible wavelength between 400-780nm, light with a wavelength less than visible wave (100nm-400nm), we called ultraviolet light.

1 UV-C band, we called it sterilizing ultraviolet rays. The DNA Gene structure of Virus, bacterial and another microorganism can be break down by ultraviolet rays,

Make them lose reproductive and reproduction ability, and then kill the bacterial and virus.

2 Ultraviolet ray UVC can be killed most bacterial, virus and other microorganism in the air and water within a few seconds. More importantly, ultraviolet ray can be killed

the virus which hard to be killed by many normal chemical method, such as chlorination.

3 However, 40% UV output of light energy with Low pressure mercury ultraviolet lamp is wavelength 254nm ultraviolet radiation (UVC),

The wavelength of ultraviolet light is just in the ultraviolet region that can effectively kill the virus and bacterial.