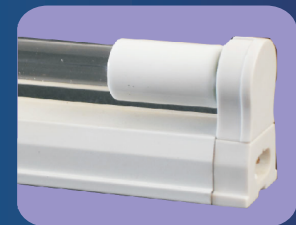
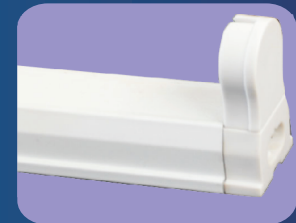




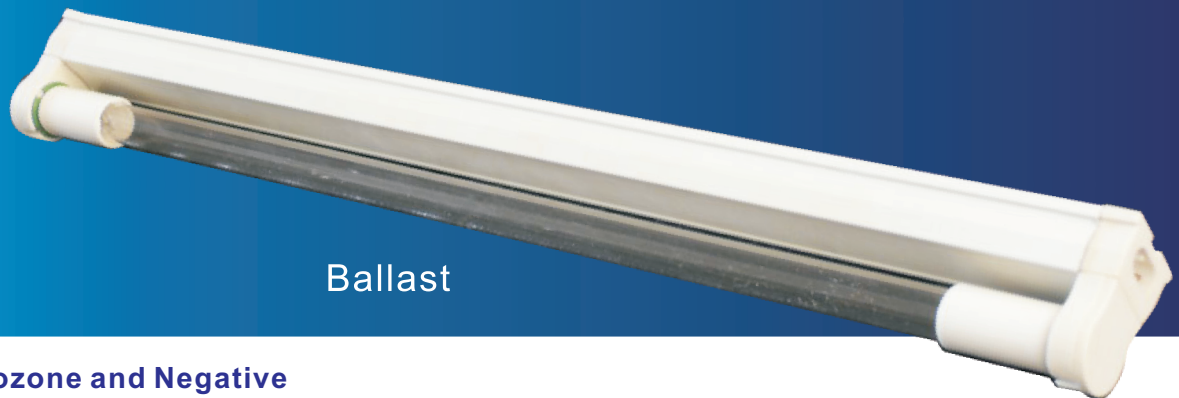
SOMA MEDICAL UVC STERILIZER

Model: SM-14-P

- ▶ Power: 14 watts
- ▶ Tube diameter: T5 (15mm)
- ▶ Tube length: 437mm
- ▶ Voltage: 59-71V
- ▶ Current: 310mA
- ▶ Intensity@1meter: $45 \mu\text{w}/\text{cm}^2$
- ▶ Ozone density: 30mg/hour
- ▶ Average life span: 8000 hours
- ▶ Caps: G5 ceramic
- ▶ Caps diameter: 25mm
- ▶ Ballast material: Aluminium G5



UVC bulb



Ballast

How does UVC with ozone and Negative Ions destroy micro-organisms?

We understand that sunlight is effective in sterilization; the wavelength of UVC and Ozone coupled with Negative ions is effective in reducing growth rate of cultures stored in the presence of the fungi static agents. The reduction was greater when *B. cinerea* and *P. expansum* is exposed to NAI+Ozone (30% and 83%, respectively). Ozone stopped the production of *P. expansum* spores and delayed spore production of *B. cinerea*. It is also effective in eradicating or reducing micro-organisms.

Electromagnetic wave drawing

