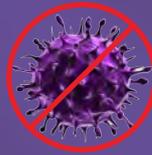
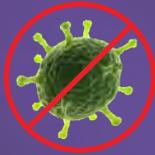


# Portable germicidal UV-C bar

Germicidal rate  
**99.9%**



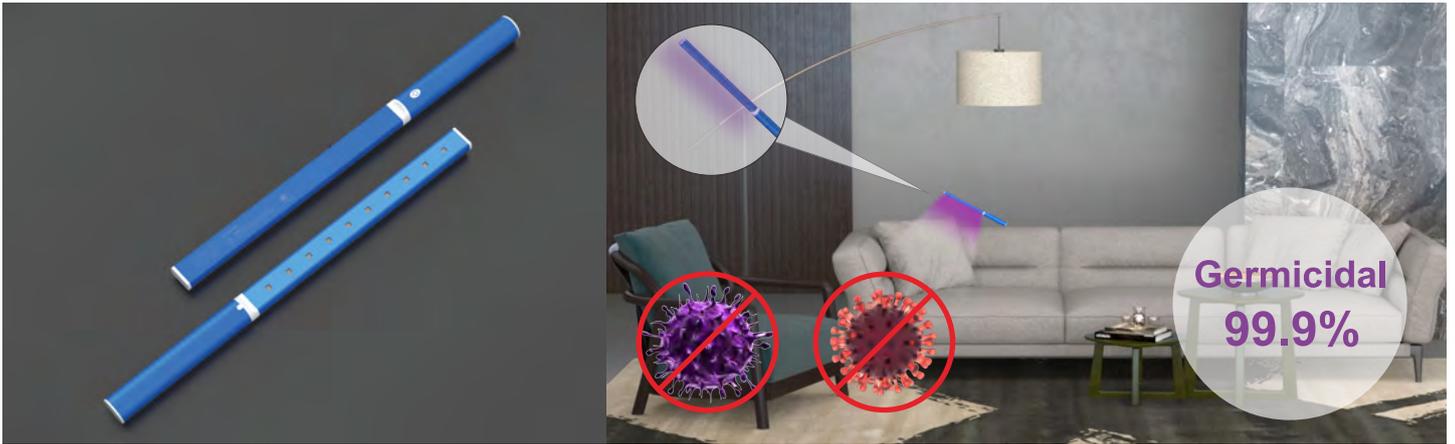
HQ UV-C LED,  
sterilization more thoroughly



Type-C charging port

Portable germicidal UV-C bar, convenient and efficient

Large capacity battery, long time endurance



## Parameter

Item code	UVC22
Input	DC5V-1000mA
Electricity indicator	Insufficient electricity-red light twinkle; charging-red light keeps on; full charge-green light keeps on
Power	3W
Endurance time	180min
LED quantity	10pcs
Main wavelength	270-280nm/390-400nm
Effective UV-C radiant illumination	1400uw/cm <sup>2</sup> /pcs(20mm)
Effective UV-C radiant illumination	310mw/m <sup>2</sup> /pcs(200mm)
Germicidal rate	99.9%
IP grade	IP20
Working temperature	-20°C ~ +45°C
Storage temperature	0°C ~ +60°C
Usage method	Suggest to move around UV-C bar slowly more than 5 times above object no more than 3cm
Suggestion of disinfection distance	≤30mm
Warranty	3years
Dimension of product	L350/xW22xH22mm/
Dimension of package	L400xW70xH40mm
Gross weight	354g

**Instruction: depend on different environment and disinfection target, the radiant flux and disinfection time shall be difference.**

## 275nm UV-C LED disinfection test report

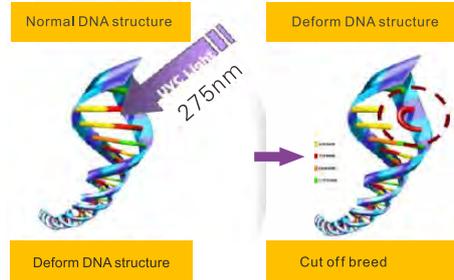
distance	test time	sample	bacteria	severe count of positive control (cfu/sheet)	bacterial count of sample (cfu/sheet)	killing logarithm value	germicidal rate(%)
2cm	20min	3535UVC (275nm)	Klebsiella pneumoniae	9.13x10 <sup>5</sup>	925	2.99	99.899
				9.45x10 <sup>5</sup>	915	>3.00	99.903
				9.38x10 <sup>5</sup>	940	3.00	99.900
			Staphylococcus aureus	1.08x10 <sup>5</sup>	995	>3.00	99.908
				1.09x10 <sup>5</sup>	995	>3.00	99.909
				1.07x10 <sup>5</sup>	990	>3.00	99.907
			albicans saccharomyces	7.85x10 <sup>5</sup>	3.93x10 <sup>3</sup>	2.3	99.908
				7.85x10 <sup>5</sup>	3.95x10 <sup>3</sup>	2.3	99.909
				8.05x10 <sup>5</sup>	4.08x10 <sup>3</sup>	2.29	99.907

## Radiant flux for disinfection

No.	bacteria	radiant flux	mark
1	Escherichia coli	≥20000uw.s/cm <sup>2</sup>	Data is from 《GB 15981-1995 evaluating method and standard fro the efficacy of isinfection and sterilization》
2	Bacillus Subtilis Var.niger Spore	≥100000uw.s/cm <sup>2</sup>	
3	Common bacterial propagules	≥10000uw.s/cm <sup>2</sup>	
4	Unknown target microorganism	≥100000uw.s/cm <sup>2</sup>	

## Theory of UV-C sterilization

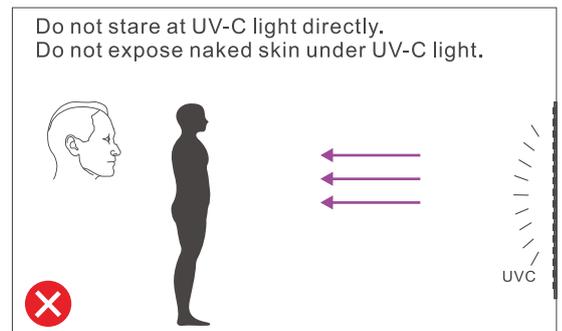
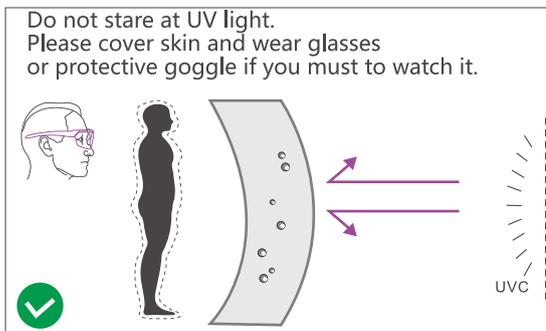
Ultraviolet irradiation could destroy the basic group of DNA to kill germs



★ Ultraviolet irradiation destroys basic group of DNA

## Personnel protection

UV-C irradiation is harmful to eyes and skin, do not expose naked skin and eyes under UV-C light. The penetration strength of shortwave UV-C light is very weak, cover skin by cloth and wear glasses or protective goggle could avoid harm.

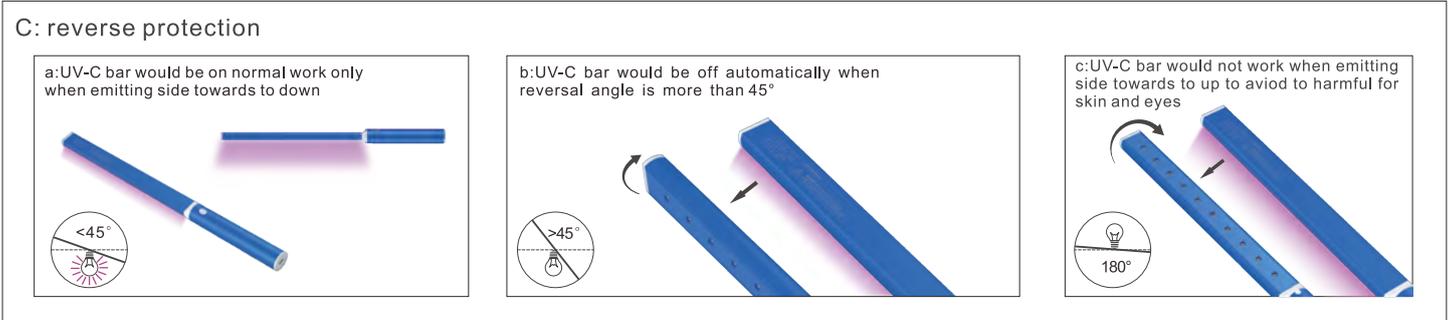
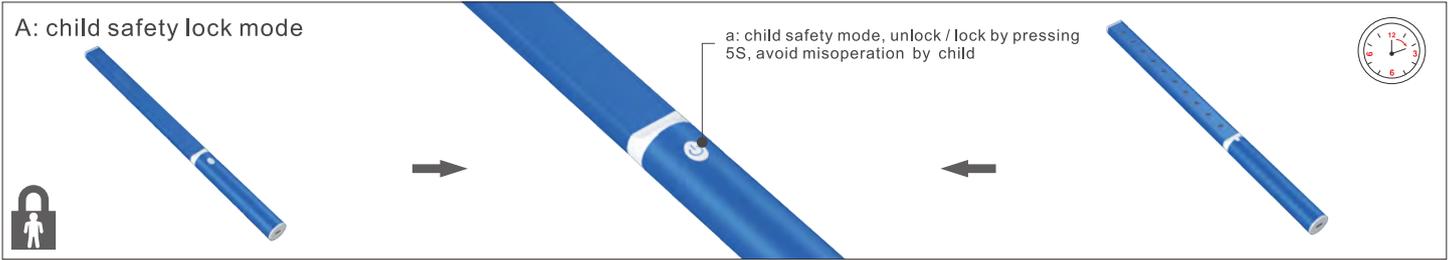


UV-C RISK GROUP 3

**WARNING** UV-C emitted from this product. Avoid eye and skin exposure to unshielded product. Follow installation instructions and user manual.



## Functions



## Reference for applications

Use for surface disinfection, suitable for toy, laptop, sofa, table, tableware, bed, door handle, toilet, car etc.  
**(warning: do not shining to human / animal eyes directly, be aware of personnel protection)**

