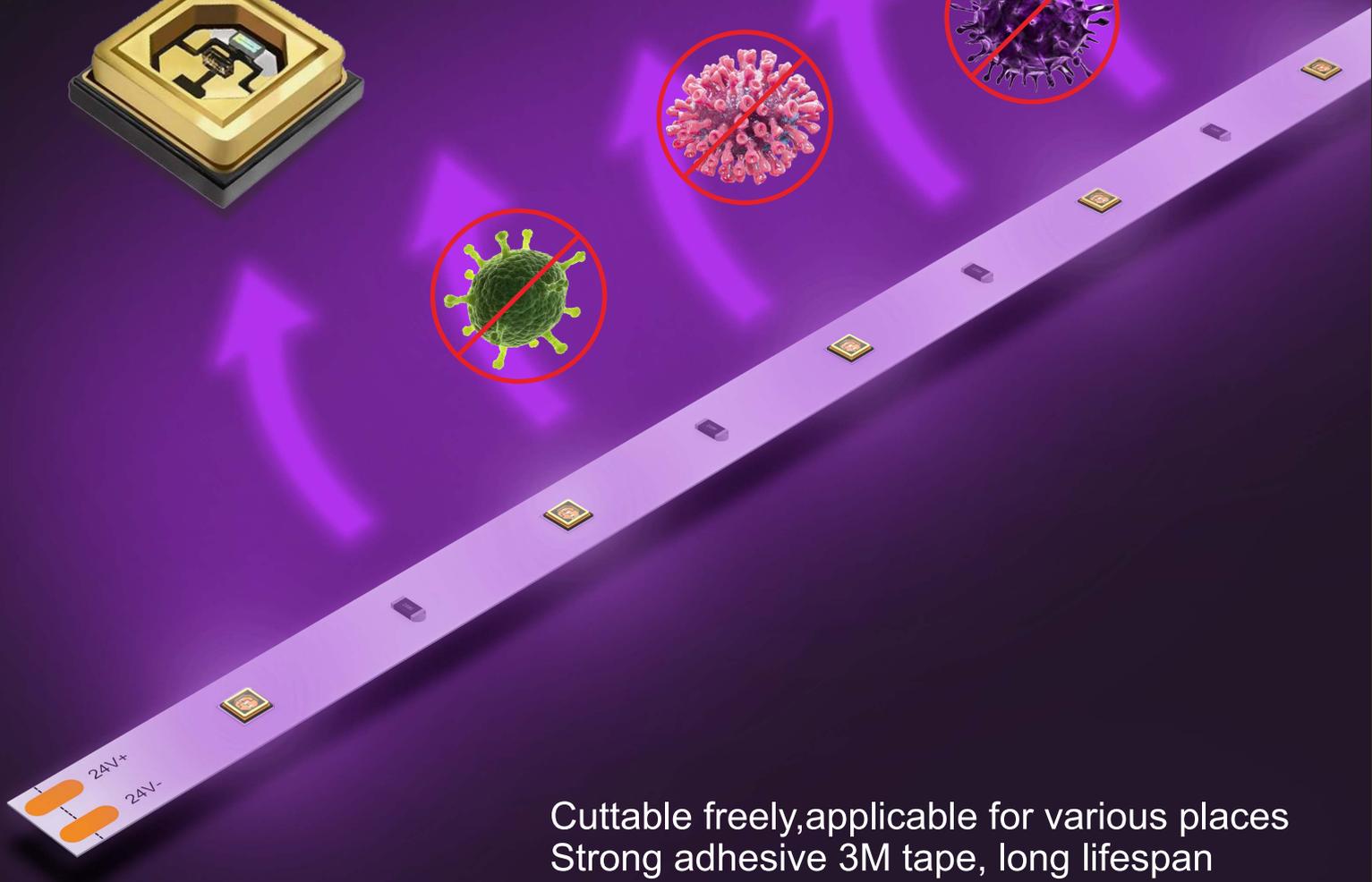
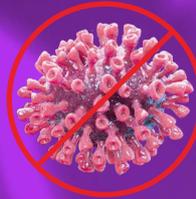
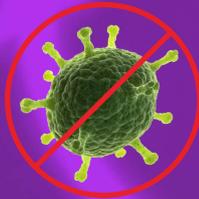


# UVC deep ultraviolet disinfection LED strip

**Germicidal rate 99.9%**

HQ UVC LED, sterilization more thoroughly



Cuttable freely, applicable for various places  
Strong adhesive 3M tape, long lifespan



**Parameter**

Item code	S3535L12V24UVCUVAIP20-10	
Voltage	24VDC	
Current	0.28A/m	
Power	6.7W/m	
Main wavelength	UVA	390-400nm
	UVC	270-280nm
Radiant flux	60000uw/m	
Effective UV-C radiant illumination	1680uw/cm <sup>2</sup> /m(20mm)	
Effective UV-C radiant illumination	372mw/m <sup>2</sup> /m(200mm)	
Germicidal rate	99.9%	
LED quantity	12pcs/M	
Min cutting unit	3LED/unit	
IP grade	IP20	
Max length	5M	
Working temperature	-20°C ~ +45°C	
Storage temperature	0°C ~ +60°C	
Disinfection time suggestion	3 ~ 10min	
Suggestion of disinfection distance	≤50mm	
Warranty	3years	

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

## 275nm UV-C LED disinfection test report

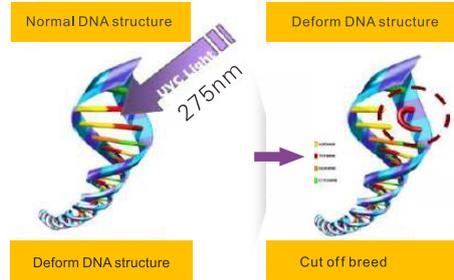
distance	test time	sample	bacteria	severe count of positive control (cfu/sheet)	bacterial count of sample (cfu/sheet)	killing logarithm value	germicidal rate(%)
2cm	20min	3535UVC (275nm)	Klebsiella pneumoniae	9.13x10 <sup>5</sup>	925	2.99	99.899
				9.45x10 <sup>5</sup>	915	>3.00	99.903
				9.38x10 <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

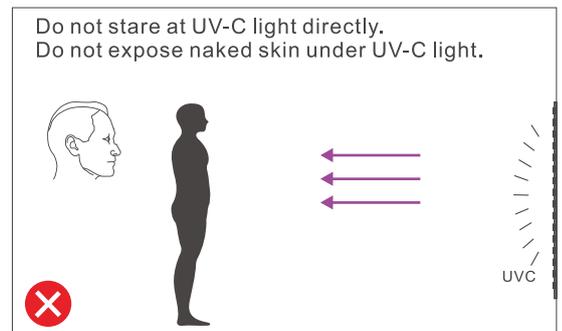
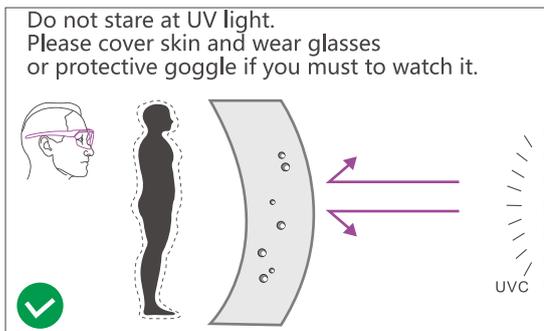
Ultraviolet irradiation could destroy the basic group of DNA to kill germs



★ 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

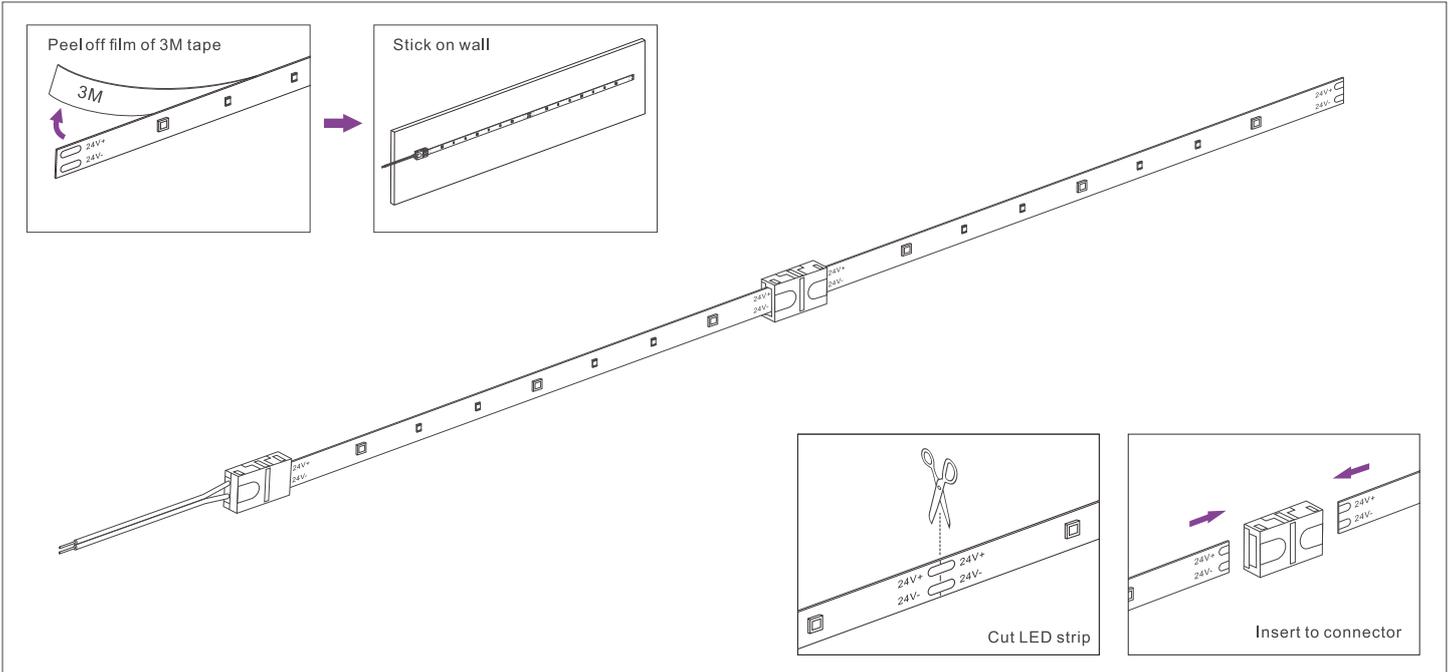


WARNING UV-C emitted from this product. Avoid eye and skin exposure to unshielded product. Follow installation instructions and user manual.



Child play prohibited

## Installation



## Reference for applications

Use for surface disinfection, suitable for wardrobe, shoe cabinet, cellphone, lift, fridge, toilet etc.  
**(warning: do not shining to human / animal eyes directly, be aware of personnel protection)**

