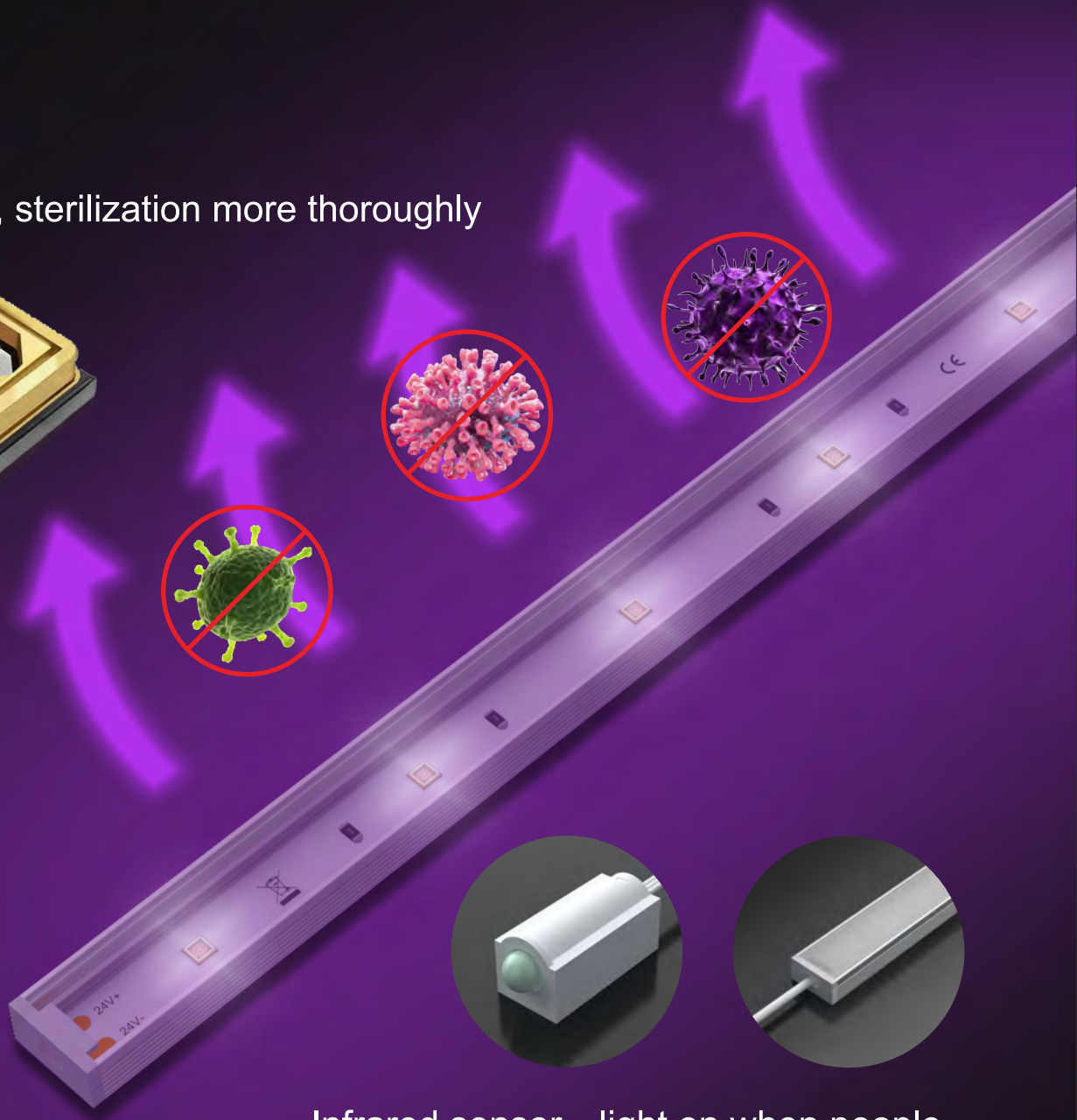


Smart sterilization UV-C linear bar

Germicidal rate 99.9%

HQ UVC LED, sterilization more thoroughly



Infrared sensor, light on when people come, light off when people leave

dual purpose for lighting and disinfection, usage freely



Parameter

Item code	L1608-UVCUVA+W60K11-HW	
Voltage	24VDC	
Current	6000K	0.3A/PCS
	UVC/UVA	0.14A/PCS
Power	6000K	7.2W/PCS
	UVC/UVA	3.36W/PCS
LED quantity	6000K	60LED/PCS
	UVC/UVA	6LED/PCS
Luminance	6000K	810 lm/PCS
Main wavelength	UVC/UVA	270-280nm/390-400nm
Radiant flux	30000uw	
Effective UV-C radiant illumination	840uw/cm ² /pcs(20mm)	
Effective UV-C radiant illumination	186mw/m ² /pcs(200mm)	
Germicidal rate	99.9%	
IP grade	IP20	
Working temperature	-20℃ ~ +45℃	
Storage temperature	0℃ ~ +60℃	
Suggestion of disinfection distance	≤50mm	
Warranty	3years	
Length of cable for linear bar	1000mm	
Length of cable for sensor	150mm	
Dimension of product	L510xW16xH8mm	
Dimension of sensor	L43xW18xH18mm	
Dimension of package	L600xW110xH55mm	

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

275nm UV-C LED disinfection test report

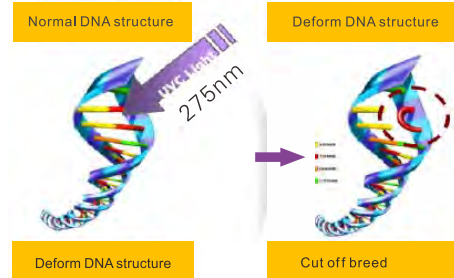
distance	test time	sample	bacteria	severe count of positive control (cfu/sheet)	bacterial count of sample (cfu/sheet)	killing logarithm value	germicidal rate(%)
2cm	20min	3535UVC (275nm)	Klebsiella pneumoniae	9.13x10 ⁵	925	2.99	99.899
				9.45x10 ⁵	915	>3.00	99.903
				9.38x10 ⁵	940	3.00	99.900
			Staphylococcus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

Radiant flux for disinfection

No.	bacteria	radiant flux	mark
1	Escherichia coli	≥20000uw.s/cm ²	Data is from 《GB15981-1995 evaluating method and standard fro the efficacy of isinfection and sterilization》
2	Bacillus Subtilis Var.niger Spore	≥100000uw.s/cm ²	
3	Common bacterial propagules	≥10000uw.s/cm ²	
4	Unknown target microorganism	≥100000uw.s/cm ²	

Theory of UV-C sterilization

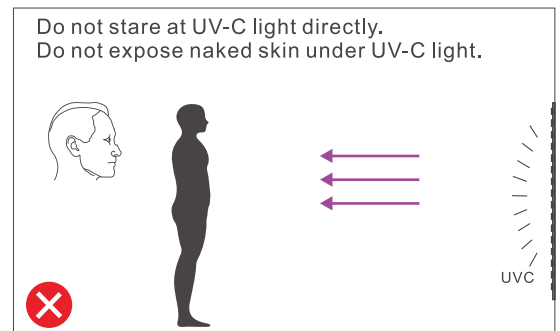
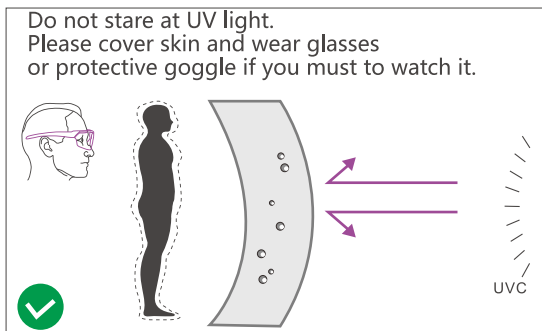
Ultraviolet irradiation could destroy the basic group of DNA to kill germs



★ 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

Functions

A: lighting on when people come



a: lighting keeps on normal work when people come (sensory distance < 3m/9.8ft)

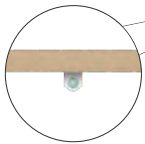
B: UV-C irradiation on 5S later after people leave



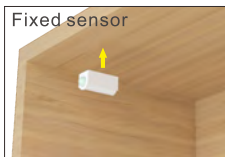
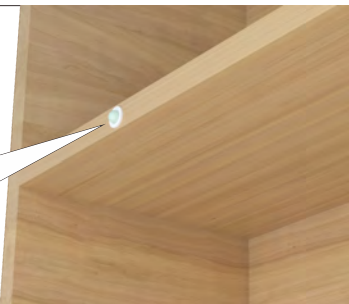
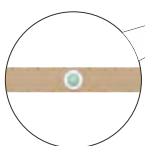
b: UVC irradiation on 5S later after people leave, it will be off 180S later automatically.

Installation

Outlay bracket
Ceiling mounted



Recessed



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)

A:Wardrobe, bookcase



B:Cupboard

