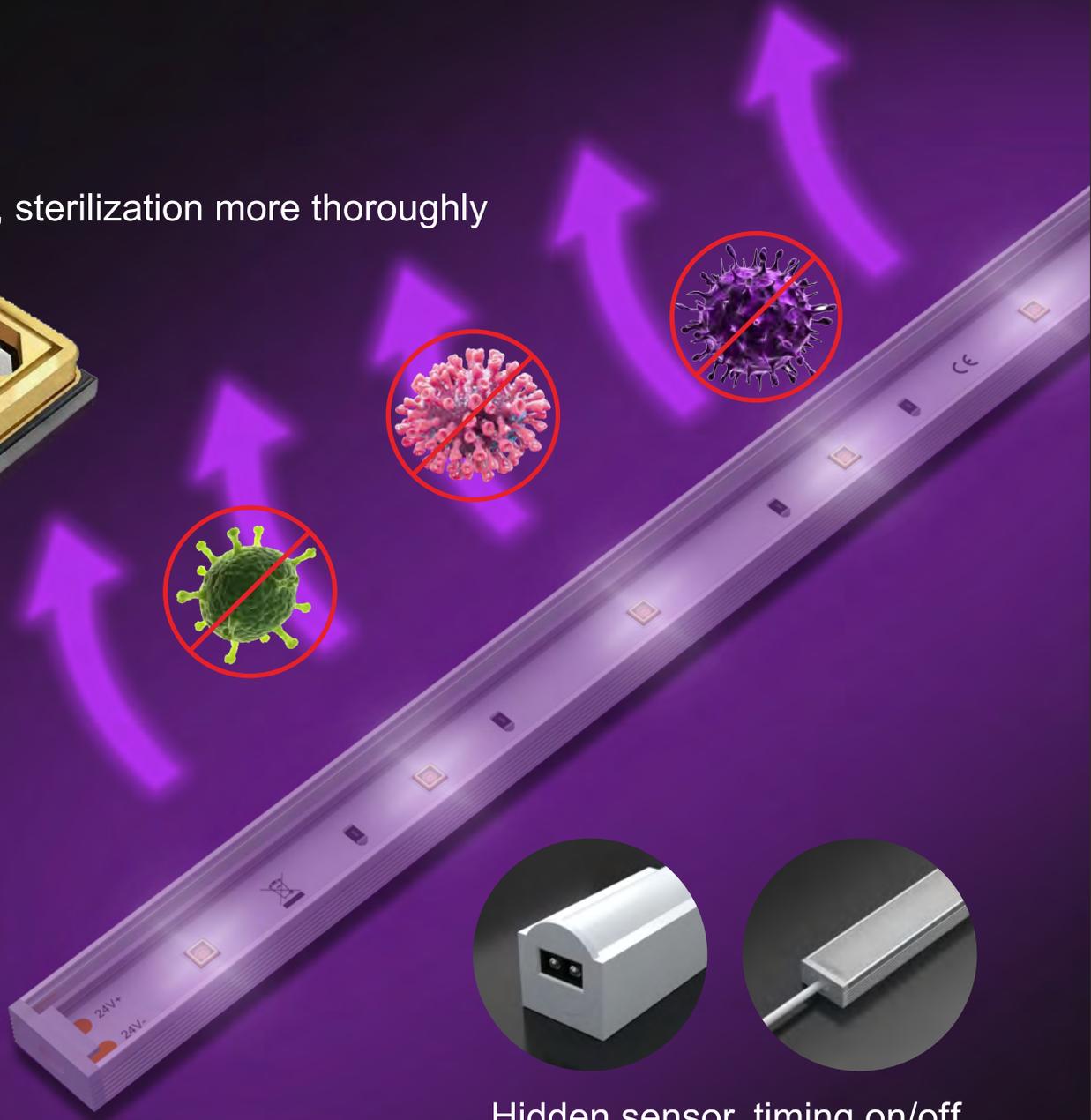


Smart sterilization UV-C linear bar

Germicidal rate 99.9%

HQ UVC LED, sterilization more thoroughly



Hidden sensor, timing on/off
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	L37xW18xH18mm	
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

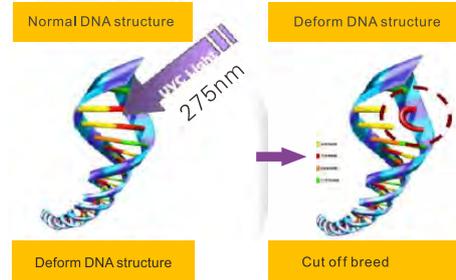
distance	test time	sample	bacteria	severe count of positive control (cfu/sheet)	bacterial count of sample (cfu/sheet)	killing logarithm value	germicidal rate(%)
2cm	20min	3535UVC (275nm)	Klebsiella pneumoniae	9.13x10 ⁵	925	2.99	99.899
				9.45x10 ⁵	915	>3.00	99.903
				9.38x10 ⁵	940	3.00	99.900
			Staphylococcus 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 《GB 15981-1995 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

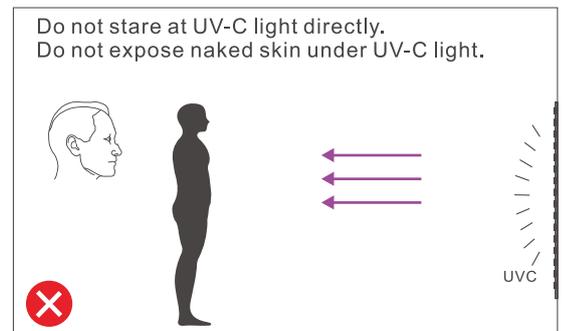
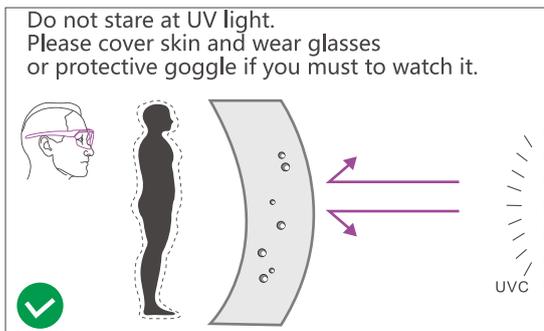
Ultraviolet irradiation could destroy the basic group of DNA to kill germs



★ 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



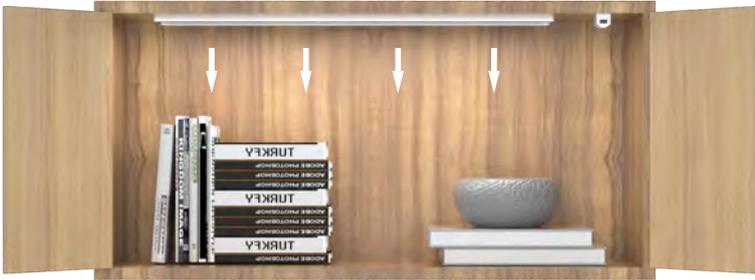
WARNING UV-C emitted from this product. Avoid eye and skin exposure to unshielded product. Follow installation instructions and user manual.



Child play prohibited

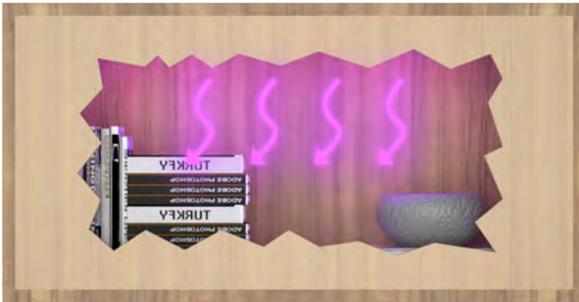
Functions

A: light on when door is opened



a: lighting keeps on normal work when door is opened

B: UV-C irradiation on 5S later after door is closed



b: UVC irradiation on 5S later after door is closed, time could be set to 3min/5min/10min (default 3min)

Installation

Outlay bracket, ceiling mounted

Distance to side board: 40~60mm from sensor to side board, increase distance if side board is smooth or blink material.



Depth: approach to outboard as close as possible, keep around 10~20mm to edge, increase distance if material is smooth or blink style.

Recessed

Distance to side board: 40~60mm from sensor to side board, increase distance if side board is smooth or blink material.



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

