

**Cutting-Edge
Technology**

59S® | SunClean™

Lighting, Disinfection, and Air Cleaning 3-in-1.

Not an "ordinary" light,
but a light with the disinfecting power of the sun

Illuminates when people come
Disinfects when people leave

Återförsäljare:

KEYLINE AB



För beställning eller frågor

Ring: +46(0)565 202 30

Maila: info@keyline.se



UV LED + Lighting + Intelligent Chip + Radar

Produced by 59S Medical Equipment Co., Ltd.

Protecting health
takes less than a minute with 59S*

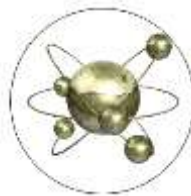
Återförsäljare:

KEYLINE AB

För beställning eller frågor

Ring: +46(0)565 202 30

Maila: info@keyline.se



The global leader in UV-C disinfection

The largest producer of LED disinfecting products in the world.

59S

The Biggest UV LED Company in the world. 1 of every 2 LED diodes comes from 59S.

The global leader in UV-C LED disinfection.

59S was founded in 2013 and now boasts over 1,000 employees all over the world. Focusing on R&D and production of UV-C LEDs—from chip R&D, to UV LED diodes, to UV-C disinfection bags and boxes, to UV-A nail curing devices, and more.

UV-C LEDs are the No. 1 in market sales in the field of disinfection.

59S is the leading UV-C LED company with markets in the most countries—selling in nearly 87 countries worldwide.

The first company to commercialize UV-C LED disinfection technology. The pioneering enterprise of UV disinfection wands, bags, and boxes.

59S won the world's most prominent design innovation awards and filed several global patents



IF



Red Dot Award



G-MARK



IDEA



Upstyle Award



Tmall Baby Award



Kind+Jugend
Innovation Award



274+ Patents

59S Brand Information



General Headquarters

Unicenter, 15th Floor, Shenzhen



UV LED Production Center

Building 1, 7th Floor, Taijiale Industrial Park, Guangming District, Shenzhen



UV LED Nail Lamp Production Center

Building 2A, Baoxin Technology Industrial Park, Guangming District, Shenzhen



UV-C LED Lighting Production Center

Building G, Floors 2-9, Zhongchuang Industrial Park, Zhongshan City

USA

59S TECHNOLOGY INC

Address: 17583 Railroad St City of Industry CA 91748 USA
Service Telephone : 833-697-8688

Brazil

Vailton Marcos Beserra

Address: Av Manoel Pedro Pimentel, 315
apto 102E

Greece

Apostolos

Address: 19th kil. Lavriou Av. Paiana
19002, Greece

Kuwait

Anoop Nair

Address: Door - 40 / 3rd Floor Advani
complex Farwaniya - Kuwait

UV-C can kill COVID-19

The WHO (World Health Organization) and the National Health Commission of the PRC recommend the use of UV-C to suppress COVID-19.



How UV kills pathogens?

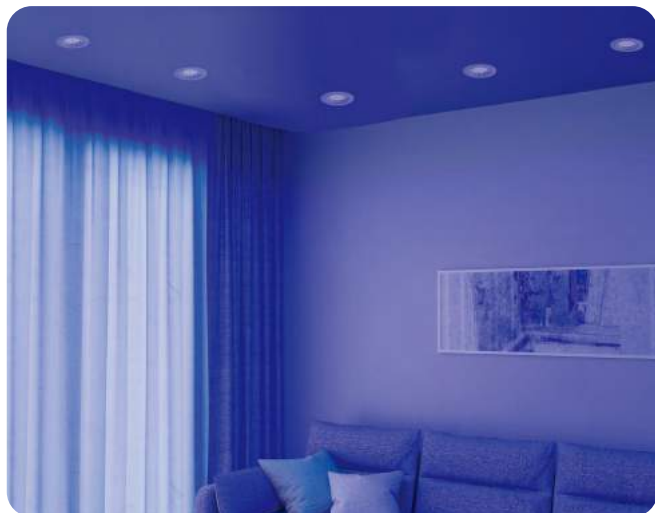
UV-C refers to ultraviolet light with a wavelength of 260-290 nanometers (nm), which can penetrate the cell membrane and nucleus of organisms, destroy DNA or RNA, cause growth cell death and regenerative cell death, and achieve disinfection.



Eliminate up to 99.9% of all Germs

No ozone produced, no excess radiation, and no residual chemicals.

Each SunClean™ Lighting product is equipped with a military-grade 5.8G radar. Before each disinfection cycle, a self-diagnosis is performed to ensure safe product performance. If the radar fails, disinfection stops automatically.



* The tube-type UV lights will produce ozone which needs to be ventilated for half an hour, so it the tube-type UV lights are not suitable for use in public spaces.

59S The Biggest UV LED Company in the world.



SunClean™ Lighting Series

Downlight (Commercial)

4" / 5" / 6" / 8"

Downlight

2.5" / 3" / 4" / 5" / 6"

Bulb Light

A60 / BR30
T80 / T100 / T120 / T140

UFO Light

Φ150mm / Φ175mm / Φ200mm

Door Handle

Panel Light

600x600 / 300x1200 / 600x1200

Panel Light (Kitchen & Bathroom)

300x300 / 300x600

Ceiling Light

Elevator Light

Elevator Button Sanitizer /
Elevator Space Sanitizer

High Power Light

16x UV-C Diodes / 25x UV-C Diodes



Disinfection Series

Medical Series

Disinfect medical tools: P55, T5

Mum & Baby Series

Disinfect baby pacifiers: S6
Disinfect baby bottles: P14
Disinfect toys: P18M
Disinfect children's clothing: T5

Travel Series

Disinfect public supplies: X5
Disinfect cup sets: S8
Disinfect toiletries: P11

Feminine Care Series

Disinfect underwear: P30, P55

Electronics Series

Disinfect mobile phones: S1, S2, L2, X1
Disinfect computers: L1

Home Series

Disinfect cutting boards: S12
Disinfect toilets: S13
Disinfect daily necessities: T5



UV LED Nail Lamp Series

SUN 1

SUN 2

SUN 3

SUN 4

SUN 5 / 5Plus

SUN 6

SUN 7

SUN 8

SUN 9X / 9C / 9 Plus

SUN Mini 2

59S[®]
59S SunClean™ Series

Downlight (Commercial)

4" / 5" / 6" / 8"

Downlight

2.5" / 3" / 4" / 5" / 6"

Bulb Light

A60 / BR30
T80 / T100 / T120 / T140

UFO Light

Φ150mm / Φ175mm / Φ200mm

Door Handle

Panel Light

600x600 / 300x1200 / 600x1200

Panel Light (Kitchen & Bathroom)

300x300 / 300x600

Ceiling Light

Elevator Light

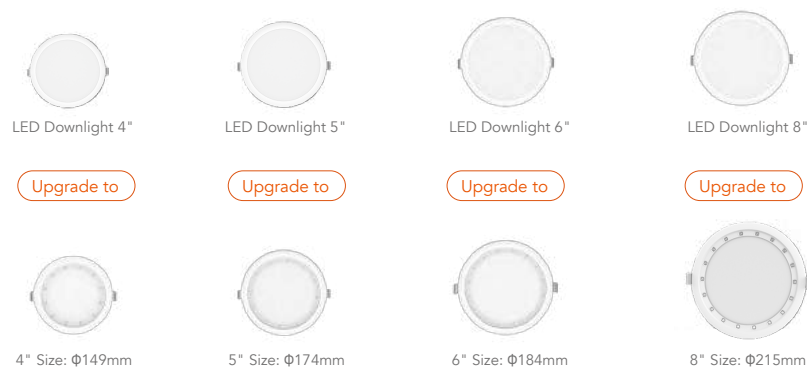
Elevator Button Sanitizer /
Elevator Space Sanitizer

High Power Light

16x UV-C Diodes / 25x UV-C Diodes

SunClean™ Downlight (Commercial)

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



Radar



Driver



Kills up to 99.9% of all Germs

Military-grade radar sensor ensures safe use

	4" Size: Φ149mm	5" Size: Φ174mm	6" Size: Φ184mm	8" Size: Φ215mm
Lighting Specifications				
Power	14W	18W	18W	22W
Luminous Flux	>1120 lm	>1440 lm	>1440 lm	>1760 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO	NO	NO
CRI	>80	>80	>80	>80
Lamp Lifespan	>35,000 hrs	>35,000 hrs	>35,000 hrs	>35,000 hrs
UV Specifications				
Diode Type	UV-C LED	UV-C LED	UV-C LED	UV-C LED
Power	18W	18W	20W	20W
UV Energy	180mW	180mW	200mW	200mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	20-min automatic mode 2-hour intensive mode	20-min automatic mode 2-hour intensive mode	20-min automatic mode 2-hour intensive mode	20-min automatic mode 2-hour intensive mode
Detection Sensor	5.8G	5.8G	5.8G	5.8G
Beam Radius	90°	90°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs	>10,000 hrs	>10,000 hrs
Electrical Specifications				
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications				
Body	Die cast aluminum	Die cast aluminum	Die cast aluminum	Die cast aluminum
Body Color	Dark gray and white	Dark gray and white	Dark gray and white	Dark gray and white
Dimension	Φ149x35mm	Φ174x35mm	Φ184x35mm	Φ215x35mm
Cut out	Φ130-140mm	Φ155-165mm	Φ165-175mm	Φ196-205mm
Weight	345g	435g	500g	575g
Operating Temperature	-10°C~40°C	-10°C~40°C	-10°C~40°C	-10°C~40°C
Certifications and Warranty				
Certifications	FCC, CE	FCC, CE	FCC, CE	FCC, CE
Warranty	2 Years	2 Years	2 Years	2 Years

59S® | SunClean™

Cutting-Edge
Technology

The future of disinfection.
Produces no health-harming
residue and reduces costs.

The disinfecting power of the sun.
No more "physical harm" from chemical disinfectants.

Only costs 1 kWh/month.
Just 1% of the labor cost of traditional disinfectant.



59S SunClean™ Lighting

- 👍 Automatic sanitization, no professional installation required
- 👍 Thorough disinfection with broad coverage
- 👍 No chemical residue, no radiation, and no ozone produced



Chemical Disinfectant

- 👎 High labor costs, poor disinfection for corners
- 👎 Can cause long-term respiratory damage
- 👎 Leaves residue that corrodes surfaces

* Ultraviolet radiation has been proved effective in killing coronaviruses, flu viruses, molds, mites, and other germs. It can also purify the air, remove odors, and be used to keep produce fresh. Thus it is suitable for thousands of scenarios including for use in restaurants, offices, hotels, early education centers, beauty centers, homes, and more.

SunClean™ Downlight

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



LED Downlight
2.5"

LED Downlight
3"

LED Downlight
4"

LED Downlight
5"

LED Downlight
6"

Upgrade to

Upgrade to

Upgrade to

Upgrade to

Upgrade to

2.5" Size: Ø89mm

3" Size: Ø110mm

4" Size: Ø149mm

5" Size: Ø174mm

6" Size: Ø184mm



Radar

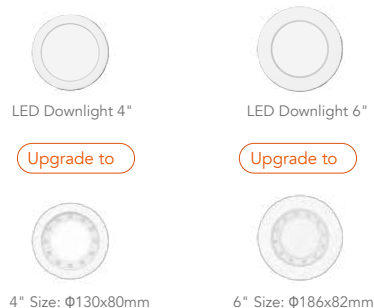
- 99.9%

Kills up to 99.9% of all Germs
- Military-grade radar sensor ensures safe use

	2.5" Size: Ø89mm	3" Size: Ø110mm	4" Size: Ø149mm	5" Size: Ø174mm	6" Size: Ø184mm
Lighting Specifications					
Power	5W	7W	11W	11W	13W
Luminous Flux	>500 lm	>560 lm	>880 lm	>880 lm	>1040 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO	NO	NO	NO
CRI	>80	>80	>80	>80	>80
Lamp Lifespan	>15,000 hrs	>15,000 hrs	>15,000 hrs	>15,000 hrs	>15,000 hrs
UV Specifications					
Diode Type	UV-C LED	UV-C LED	UV-C LED	UV-C LED	UV-C LED
Power	6W	7W	9W	9W	11W
UV Energy	60mW	70mW	90mW	90mW	110mW
Disinfection Area	2 x 2m (4m ²)	2 x 2m (4m ²)	2 x 2m (4m ²)	2 x 2m (4m ²)	2 x 2m (4m ²)
Disinfection Modes	30-min automatic mode 3-hour intensive mode	30-min automatic mode 3-hour intensive mode	30-min automatic mode 3-hour intensive mode	30-min automatic mode 3-hour intensive mode	30-min automatic mode 3-hour intensive mode
Detection Sensor	5.8G	5.8G	5.8G	5.8G	5.8G
Beam Radius	90°	90°	90°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>5000 hrs	>5000 hrs	>5000 hrs	>5000 hrs	>5000 hrs
Electrical Specifications					
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode / automatic mode	Manual switch mode / radar sensor automatic mode / automatic mode	Manual switch mode / radar sensor automatic mode / automatic mode
Physical Specifications					
Body	Plastic	Plastic	Plastic	Plastic	Plastic
Body Color	White	White	White	White	White
Dimension	Ø89x51.4mm	Ø110x51.4mm	Ø149x56.5mm	Ø174x59mm	Ø184x59mm
Cut Out	Ø70-80mm	Ø90-100mm	Ø130-140mm	Ø155-165mm	Ø165-175mm
Weight	125g	150g	220g	275g	290g
Operating Temperature	-10°C~40°C	-10°C~40°C	-10°C~40°C	-10°C~40°C	-10°C~40°C
Certifications and Warranty					
Certifications	FCC, CE	FCC, CE	FCC, CE	FCC, CE	FCC, CE
Warranty	1 Year	1 Year	1 Year	1 Year	1 Year

SunClean™ Downlight (American)

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



Radar

99.9%

Kills up to 99.9%
of all Germs



Military-grade radar sensor
ensures safe use

4" Size: Φ130x80mm

6" Size: Φ186x82mm

Lighting Specifications		
Power (Optional)	11W, 14W	12W, 16W
Luminous Flux	>750 lm	>850 lm
Color Temperature	Warm white, cool white, and natural white	Warm white, cool white, and natural white
CCT	3000K, 4000K, 5000K	3000K, 4000K, 5000K
Color Temperature Adjustable	Yes	Yes
CRI	>80	>80
Lamp Lifespan	>35,000 hrs	>35,000 hrs
UV Specifications		
Diode Type	UV-C LED	UV-C LED
Power	18W	18W
UV Energy	180mW	180mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	20-min automatic mode, 2-hour intensive mode	20-min automatic mode, 2-hour intensive mode
Detection Sensor	5.8G	5.8G
Beam Radius	90°	90°
Wavelength	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs
Electrical Specifications		
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications		
Body	Die cast aluminum	Die cast aluminum
Body Color	White	White
Dimension	4"Φ130x80mm (5.12 x 3.15in)	6"Φ186x82mm (7.32 x 3.21in)
Weight	230g (8.11oz)	305g (10.76oz)
Operating Temperature	-10~40°C (14-104°F)	-10~40°C (14-104°F)
Certifications and Warranty		
Certifications	FCC, CE	FCC, CE
Warranty	2 Years	2 Years

59S® | SunClean™

Cutting-Edge
Technology

A Good Product to Attract New Customers and Bring Back Old Ones

During a pandemic, whoever provides customers with the safest environment will reap the greatest rewards

Lighting that does more than just illuminate
Lighting that also creates a safe environment for customers



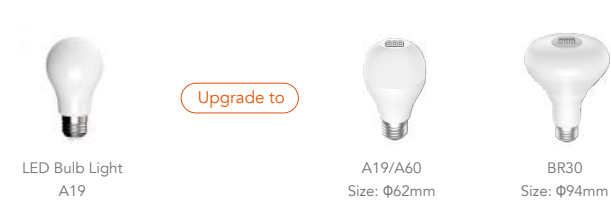
59S SunClean™ Lighting Provides Visible Proof of Safety



* Ultraviolet radiation has been proved effective in killing coronaviruses, flu viruses, molds, mites, and other germs. It can also purify the air, remove odors, and be used to keep produce fresh. Thus it is suitable for thousands of scenarios including for use in restaurants, offices, hotels, early education centers, beauty centers, homes, and more.

SunClean™ Bulb Light (E26/E27)

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



Radar

- 99.9% Kills up to 99.9% of all Germs
- Military-grade radar sensor ensures safe use

	A19/A60 Size: Φ62mm	BR30 Size: Φ94mm
Lighting Specifications		
Power	8W	11W
Base Type	E26/E27	E26/E27
Luminous Flux	>750lm	>900lm
CCT	3000K / 4000K/5000K/6000K	3000K / 4000K/5000K/6000K
Color Temperature Adjustable	NO	NO
CRI	> 80	> 80
Lamp Lifespan	>15,000 hrs	> 15,000 hrs
UV Specifications		
Diode Type	UV-C LED	UV-C LED
Power	6W	9W
UV Energy	60mW	90mW
Disinfection Area	2 x 2m (4m ²)	2 x 2m (4m ²)
Disinfection Modes	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode
Detection Sensor	5.8G	5.8G
Beam Radius	90°	90°
Wavelength	260-285nm	260-285nm
Lamp Lifespan	>5000 hrs	>5000 hrs
Electrical Specifications		
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications		
Body	Plastic-coated aluminum	Plastic and aluminum alloy
Body Color	White	White
Dimension	Φ62 x 114mm	Φ94x132.5mm
Weight	135g	150g
Operating Temperature	-10~40°C	-10~40°C
Certifications and Warranty		
Certifications	FCC, CE	FCC, CE
Warranty	1 Year	1 Year

SunClean™ Bulb Light (E26/E27)

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



LED Bulb Light

Upgrade to



LED Bulb Light

Upgrade to



LED Bulb Light

Upgrade to



LED Bulb Light

Upgrade to



T80
Size: Ø80mm



T100
Size: Ø100mm



T120
Size: Ø120mm



T140
Size: Ø140mm



99.9%

Kills up to 99.9%
of all Germs

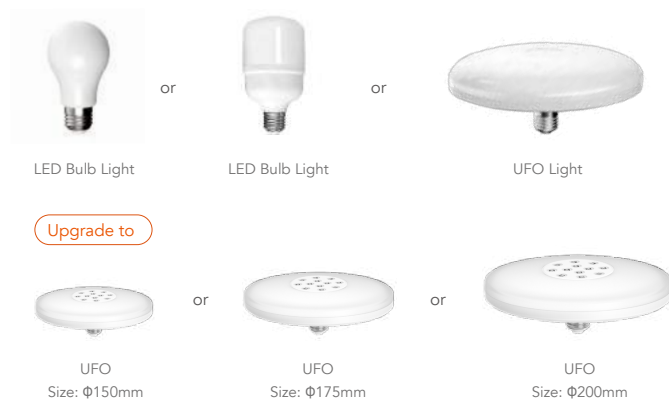


Military-grade radar sensor
ensures safe use

	T80 Size: Ø80mm	T100 Size: Ø100mm	T120 Size: Ø120mm	T140 Size: Ø140mm
Lighting Specifications				
Power	20W	30W	40W	50W
Base Type	E26/E27	E26/E27	E26/E27	E26/E27
Luminous Flux	>1600 lm	>2400 lm	>3200 lm	>4000 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO	NO	NO
CRI	>80	>80	>80	>80
Lamp Lifespan	>15,000 hrs	>15,000 hrs	>15,000 hrs	>15,000 hrs
UV Specifications				
Diode Type	UV-C LED	UV-C LED	UV-C LED	UV-C LED
Power	9W	9W	12W	12W
UV Energy	90mW	120mW	120mW	120mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode
Detection Sensor	5.8G	5.8G	5.8G	5.8G
Beam Radius	90°	90°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>5000 hrs	>5000 hrs	>5000 hrs	>5000 hrs
Electrical Specifications				
Voltage	100-120Vac 50/60Hz 200-240Vac 50/60Hz	100-120Vac 50/60Hz 200-240Vac 50/60Hz	100-120Vac 50/60Hz 200-240Vac 50/60Hz	100-120Vac 50/60Hz 200-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications				
Body	Plastic-coated aluminum	Plastic-coated aluminum	Plastic-coated aluminum	Plastic-coated aluminum
Body Color	White	White	White	White
Dimension	Ø80x140.69mm	Ø100x166.9mm	Ø118x199.9mm	Ø137.6x233.4mm
Weight	170g	225g	275g	340g
Operating Temperature	-10~40°C	-10~40°C	-10~40°C	-10~40°C
Certifications and Warranty				
Certifications	FCC, CE	FCC, CE	FCC, CE	FCC, CE
Warranty	1 Year	1 Year	1 Year	1 Year

SunClean™ Bulb Light (E26/E27)

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



Radar

99.9%

Kills up to 99.9% of all Germs



Military-grade radar sensor ensures safe use

	UFO Size: Φ150mm	UFO Size: Φ175mm	UFO Size: Φ200mm
Lighting Specifications			
Power	18W	24W	30W
Base Type	E26/E27	E26/E27	E26/E27
Luminous Flux	>1530 lm	>1920 lm	>2550 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO	NO
CRI	>80	>80	>80
Lamp Lifespan	>15,000 hrs	>15,000 hrs	>15,000 hrs
UV Specifications			
Diode Type	UV-C LED	UV-C LED	UV-C LED
Power	18W	18W	18W
UV Energy	180mW	180mW	180mW
Disinfection Area	4 x 4m (16m ²)	4 x 4m (16m ²)	4 x 4m (16m ²)
Disinfection Modes	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode	30-min automatic mode, 3-hour intensive mode
Detection Sensor	5.8G	5.8G	5.8G
Beam Radius	90°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>5000 hrs	>5000 hrs	>5000 hrs
Electrical Specifications			
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications			
Body	Plastic	Plastic	Plastic
Body Color	White	White	White
Dimension	Φ150x72mm	Φ175x72mm	Φ200x72mm
Weight	240g	290g	330g
Operating Temperature	-10~40°C	-10~40°C	-10~40°C
Certifications and Warranty			
Certifications	FCC, CE	FCC, CE	FCC, CE
Warranty	1 Year	1 Year	1 Year

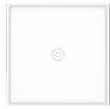
SunClean™ Panel Light

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



LED Panel Light

Upgrade to

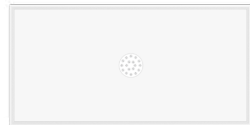


SunClean™ Panel Light

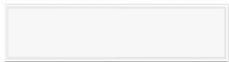


LED Panel Light

Upgrade to



SunClean™ Panel Light



LED Panel Light

Upgrade to



SunClean™ Panel Light



Radar



Driver

99.9%

Kills up to 99.9% of all Germs



Military-grade radar sensor ensures safe use

	Size: 600x600mm	Size: 300x1200mm	Size: 600x1200mm
Lighting Specifications			
Power	40W	40W	50W
Luminous Flux	>3400 lm	>3400 lm	>4200 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO	NO
CRI	>80	>80	>80
Lamp Lifespan	>35,000 hrs	>35,000 hrs	>35,000 hrs
UV Specifications			
Diode Type	UV-C LED	UV-C LED	UV-C LED
Power	24W	24W	24W
UV Energy	240mW	240mW	240mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	20-min automatic mode, 2-hour intensive mode	20-min automatic mode, 2-hour intensive mode	20-min automatic mode, 2-hour intensive mode
Detection Sensor	5.8G	5.8G	5.8G
Beam Radius	90°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs	>10,000 hrs
Electrical Specifications			
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications			
Body	Aluminum alloy and stainless iron	Aluminum alloy and stainless iron	Aluminum alloy and stainless iron
Body Color	White	White	White
Dimension	595x595mm/600x600mm/603x603mm	295x1195mm/300x1200mm/303x1213mm	595x1195mm/600x1200mm/603x1213mm
Weight	1980g	1800g	4100g
Operating Temperature	-10°C~40°C	-10°C~40°C	-10°C~40°C
Certifications and Warranty			
Certifications	FCC, CE	FCC, CE	FCC, CE
Warranty	2 Years	2 Years	2 Years

SunClean™ Panel Light

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



LED Panel Light

Upgrade to

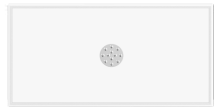


SunClean™ Panel Light



LED Panel Light

Upgrade to



SunClean™ Panel Light



Radar

99.9%

Kills up to 99.9% of all Germs



Military-grade radar sensor ensures safe use

Size: 300x300mm

Size: 300x600mm

Lighting Specifications		
Power	24W	30W
Luminous Flux	>2040 lm	>2550 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO
CRI	>80	>80
Lamp Lifespan	>35,000 hrs	>35,000 hrs
UV Specifications		
Diode Type	UV-C LED	UV-C LED
Power	18W	18W
UV Energy	180mW	180mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	20-min automatic mode, 2-hour intensive mode	20-min automatic mode, 2-hour intensive mode
Detection Sensor	5.8G	5.8G
Beam Radius	90°	90°
Wavelength	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs
Electrical Specifications		
Voltage	100-240Vac 50/60Hz 200-240Vac 50/60Hz	100-240Vac 50/60Hz 200-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications		
Body	Aluminum alloy and stainless iron	Aluminum alloy and stainless iron
Body Color	White	White
Dimension	295X295mm/300X300mm/303X303mm	295X595mm/300X600mm/303X603mm
Weight	580g	970g
Operating Temperature	-10°C~40°C	-10°C~40°C
Certifications and Warranty		
Certifications	FCC, CE	FCC, CE
Warranty	2 Years	2 Years

59S® | SunClean™

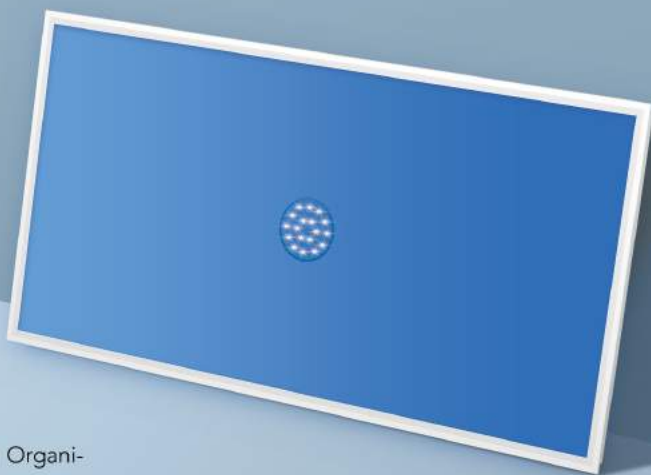
Cutting-Edge
Technology

Just change a light Lighting that provides "free" disinfection

2-in-1 Lighting

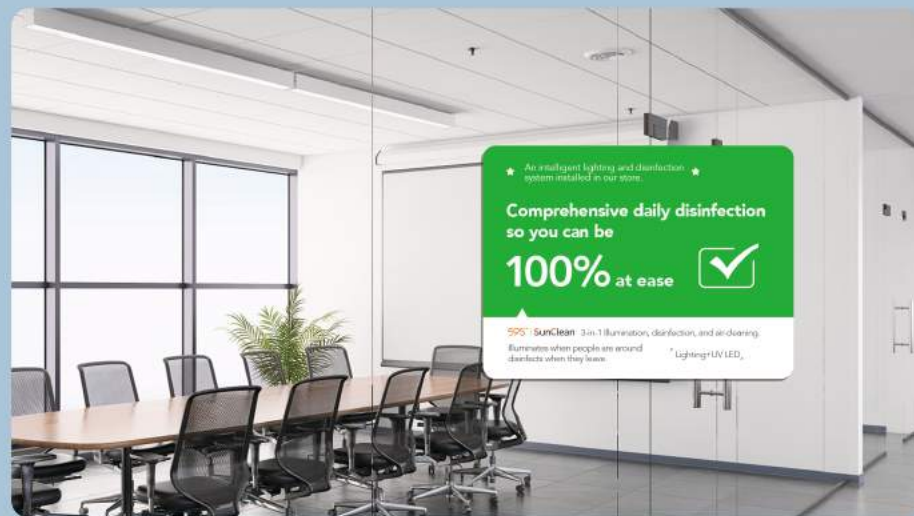
Illumination When You're Working

Disinfection When You're Not



Word from the World Health Organization: "The novel coronavirus will likely coexist with us." Disinfection will be necessary

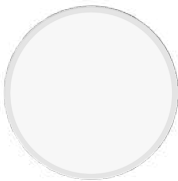
"Illumination when you're working and disinfection when you're not" will become a standard public health practice, like "washing hands after using the restroom".



* Ultraviolet radiation has been proved effective in killing coronaviruses, flu viruses, molds, mites, and other germs. It can also purify the air, remove odors, and be used to keep produce fresh. Thus it is suitable for thousands of scenarios including for use in restaurants, offices, hotels, early education centers, beauty centers, homes, and more.

SunClean™ Ceiling Light

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



LED Ceiling light

Upgrade to



SunClean™ Ceiling Light



Radar

- Kills up to 99.9% of all Germs
- Military-grade radar sensor ensures safe use
- 10-Min Auto disinfection

Size: Φ180x53.3mm

Lighting Specifications	
Power	16W
Luminous Flux	>1280 lm
CCT	6500K
Color Temperature Adjustable	NO
CRI	>80
Lamp Lifespan	>35,000 hrs
UV Specifications	
Diode Type	UV-C LED
Power	35W
UV Energy	300mW
Disinfection Area	3 x 3m (9m²)
Disinfection Modes	10-min, 30-min 60-min,120-min
Detection Sensor	5.8G
Beam Radius	90°
Wavelength	260-285nm
Lamp Lifespan	>10,000 hrs
Electrical Specifications	
Voltage	100-240Vac 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode
Physical Specifications	
Body	Plastic
Body Color	White
Dimension	Φ180x53.3mm
Weight	475g
Operating Temperature	-10~40°C
Certifications and Warranty	
Certifications	FCC, CE
Warranty	2 Years

SunClean™ Elevator Sanitizer

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



	Elevator Button Sanitizer	2.5" Elevator Space Sanitizer Size: Ø89mm	2.5" Elevator Space Sanitizer (pro)
Lighting Specifications			
Power		5W	3W
Luminous Flux		>400 lm	>200 lm
CCT		4000K	4000K
CRI		>80	>80
Lamp Lifespan		>35,000 hrs	>35,000 hrs
UV Specifications			
Diode Type	UV-C LED	UV-C LED	UV-C LED
Power	10W	6W	7W
UV Energy	100mW	60mW	70mW
Disinfection Area		Max 2 x 2m (4m ²)	Max 3 x 3m (9m ²)
Disinfection Modes	30s-automatic mode	10-min automatic mode	10-min automatic mode
Detection Sensor	5.8G	5.8G	5.8G
Beam Radius	24°	90°	90°
Wavelength	260-285nm	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs	>10,000 hrs
Electrical Specifications			
Voltage	100-240Vac 50/60Hz	100-240Vac 50/60Hz	100-240Vac 50/60Hz
Operation Modes	Radar sensor automatic mode	Radar sensor automatic mode	Radar sensor automatic mode
Physical Specifications			
Body	Aluminum alloy and plastic	Plastic	Plastic
Body Color	White and silver	white	white
Dimension	Ø90x66mm	Ø89x51.4mm	Ø89x93.5mm
Cut Out		Ø70-80mm	Ø68-77mm
Angle Adjustability	360° horizontal, 90° vertical		
Weight	300g	125g	260g
Operating Temperature	-10~40°C	-10°C~40°C	-10°C~40°C
Certifications and Warranty			
Certifications	FCC, CE	FCC, CE	FCC, CE
Warranty	2 Years	2 Years	2 Years

SunClean™ High Power UV-C Light

Intelligent, Automatic Disinfection, Air-Cleaning, and Lighting 3-in-1.



2.5" 16x UV-C Diodes
Size: Ø89mm



2.5" 16x UV-C Diodes
Size: Ø89mm



Radar



Driver



99.9% Kills up to 99.9% of all Germs

Military-grade radar sensor ensures safe use

	2.5" 16x UV-C Diodes Size: Ø89mm	2.5" 16x UV-C Diodes Size: Ø89mm
Lighting Specifications		
Power	3W	3W
Luminous flux	> 200 lm	> 200 lm
CCT	3000K/4000K/5000K/6000K	3000K/4000K/5000K/6000K
Color Temperature Adjustable	NO	NO
CRI	>80	>80
Lamp Lifespan	>35,000 hrs	>35,000 hrs
UV Specifications		
Diode Type	UV-C LED	UV-C LED
Power	15W	20W
UV Energy	150mW	200mW
Disinfection Area	3 x 3m (9m ²)	3 x 3m (9m ²)
Disinfection Modes	20-min Automatic mode, 2-hour Intensive mode	20-min Automatic mode, 2-hour Intensive mode
Detection Sensor	5.8G	5.8G
Beam Radius	90°	90°
Wavelength	260-285nm	260-285nm
Lamp Lifespan	>10,000 hrs	>10,000 hrs
Electrical Specifications		
Voltage	100-240Vac 42Vdc 50/60Hz	100-240Vac 42Vdc 50/60Hz
Operation Modes	Manual switch mode / radar sensor automatic mode	Manual switch mode / radar sensor automatic mode
Physical Specifications		
Body	Aluminum alloy and plastic	Aluminum alloy and plastic
Body Color	Dark gray and white	Dark gray and white
Dimension	Ø89x93.5mm	Ø89x93.5mm
Cut Out	Ø68-77mm	Ø68-77mm
Weight	260g	260g
Operating Temperature	-10~40°C	-10~40°C
Certifications and Warranty		
Certifications	FCC, CE	FCC, CE
Warranty	2 Years	2 Years

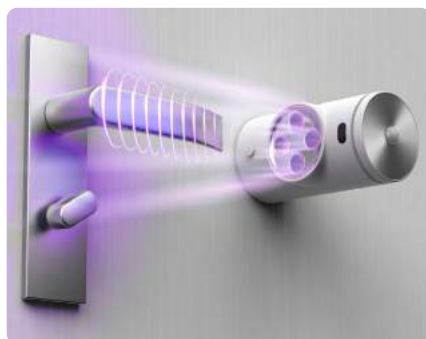
SunClean™ Automatic Door Handle Disinfectors

A disinfectant keeping your hands away from germs



Size: 47x88mm

- 99.9%** Kills up to 99.9% of all Germs
- Safety** Military radar sensor
- Immediate automatic door handle disinfection**
- No chemical residue, ozone, or extra radiation**
- 3M** Installs in 10 seconds
- Works for up to 30 days on a single charge**



3 mounting bases of different thickness put the disinfecting LEDs the same distance from the door as the door handle.
Base thickness: 5mm / 11mm / 15mm

for
Handle distance from door: 45.5mm / 49.5mm / 54.5mm

Size: 47x88mm

UV Specifications	
Diode Type	UV-C LED
Power	3W
UV Energy	30mv
Disinfection Modes	20s-Automatic mode
Detection Sensor	5.8G
Beam Radius	90°
Wavelength	260-285nm
Lamp Lifespan	>10,000 hrs
Electrical Specifications	
Voltage	5DC 1A
Charging Time	approx. 2.5hrs
Internal Battery Capacity	2500mAH
Number of Uses per Full Charge	≥250
Max Operation Period per Full Charge	30 days
Operation Modes	Radar sensor automatic mode
Physical Specifications	
Body	Plastic
Body Color	White or black
Dimension	Φ47x88mm
Weight	115g
Operating Temperature	-10~40°C
Certifications and Warranty	
Certifications	FCC, CE
Warranty	2 Years



SunClean™ Downlight



SunClean™ Tube Light



SunClean™ Light Strip



SunClean™ Floor Light



SunClean™ Ceiling Light (Pro)

More New Products Coming Soon!



Germs are invisible, disinfection should be professional
59S, trusted by 1,100+ hospitals



59S donated disinfection materials
worth 4 million CNY to Wuhan medical workers

危难时刻见真情 深圳一企业再为武汉“白衣天使”捐赠价值四百万元59秒消毒产品

2020-01-25 20:21 新报网

荆楚网客户端-荆楚网消息（通讯员 陈芳芳）经过18小时的长途运输，大年初一中午12时许，3辆满载着深圳钰创光电技术有限公司（以下简称“钰创光电”）的10000套价值400万元的59秒UVC LED紫外线消毒产品，抵达武汉市红十字会东西湖区卫健局指定仓库。这是该公司向奋战在武汉新型冠状病毒救治一线的医护人员送出的“爱心”，用以解决医护人员个人的手机、眼镜以及红外体温计、听诊器、血压计袖带等物品存在消毒困难的问题。



“救命在于时间，医护人员身处危险之中，早一点到达武汉，就能早一点为‘白衣天使’保驾护航”。钰创光电副总经理胡惠告诉记者，看到武汉医疗界“不计报酬，不论生死”的请战书后，公司创始人欧阳震义当即在公司发出动员令，决定捐助价值400万的10000套UVC LED紫外线消毒袋给武汉的医护人员。



日前，新型冠状病毒开始在全国蔓延，一时间，人们“谈肺炎而色变”，不仅口罩、护目镜等成为抢手货，消毒器械更成为人们日常消毒的必备神器。

59秒公司作为全球UVC LED紫外线消毒产品的开创者，是全球仅有的也是最大的大量生产UVC LED紫外线消毒产品的企业。记者了解到，UVC LED消毒科技源自美国航天技术，它的芯片面积小如3根发丝大小，但拥有强大的能量，在集中能量的情况下，通过穿透微生物的细胞膜和细胞核，直接破坏DNA/RNA，迅速杀灭病菌，只需几十秒即可消杀99.9%的致病菌，而且不产生臭氧，无电离辐射，特别绿色环保。

59S®
Disinfection Series

Medical Series

Disinfect medical tools: P55, T5

Mum & Baby Series

Disinfect baby pacifiers: S6

Disinfect baby bottles: P14

Disinfect toys: P18M

Disinfect children's clothing: T5

Home Series

Disinfect cutting boards: S12

Disinfect toilets: S13

Disinfect daily necessities: T5

Travel Series

Disinfect public supplies: X5

Disinfect cup sets: S8

Disinfect toiletries: P11

Feminine Care Series

Disinfect underwear: P30, P55

Electronics Series

Disinfect mobile phones: S1, S2, L2, X1

Disinfect computers: L1



Disinfect medical tools: P55

Cell phones / Glasses / Thermometers
Disinfect the items you touch, and keep your hands cleaner



Disinfect baby pacifiers: S6

For baby pacifiers and other small items.



Disinfect medical tools: T5

Stethoscope, ventilator, and respirator disinfection.



Disinfect baby bottles: P14

Double-layer design for disinfection and storage, 2-in-1.



Disinfect toys: P18M

One press to disinfect various toys made of different materials to let mothers be at ease during play time.

- Kills 99.9% of all germs
- No chemical residue, ozone, or extra radiation
- Thorough disinfection with no blind spots
- 3-minute disinfection on-the-go

I Mum & Baby Series



Disinfect children's clothing: T5

Disinfect baby's clothes before trying on, better protection for skin.



Kills 99.9% of all germs



No chemical residue, ozone, or extra radiation



Thorough disinfection with no blind spots



3-minute disinfection on-the-go



Disinfect cutting boards: S12

Eliminate cancer-causing aflatoxin
Prevent cross infection of raw foods



Disinfect toilets: S13

Disinfection starts once the lid is closed and automatically stops when lid is opened. One press to kill germs that cannot be flushed away



Disinfect daily necessities: T5

Quickly and easily disinfect daily necessities such as toothbrushes, water cups, mobile phones, and more



Kills 99.9% of all germs



No chemical residue, ozone, or extra radiation



Disinfect public supply: X5

Disinfect everything in seconds.



Disinfect underwear: P30

Disinfection, drying and sterile storage, 3-in-1



Disinfect cup sets : S8

Disinfect on the go for safety when dining out.



Disinfect underwear: P55

3-minute quick disinfection



Disinfect toiletries: P11

Portable multi-purpose disinfection bag.

- 99.9% Kills 99.9% of all germs
- No chemical residue, ozone, or extra radiation
- Thorough disinfection with no blind spots
- 3-minute disinfection on-the-go



Disinfect mobile phones: S1
Disinfection and storage, 2-in-1



Disinfect mobile phones: X1
Light and portable for convenient use, anywhere



Disinfect mobile phones: S2
Disinfection and storage, 2-in-1



Disinfect mobile phones: L1
Multi-use sanitizer for laptops and accessories



Disinfect mobile phones: L2
Light and portable for convenient use, anywhere
Disinfection starts once connected with the phone.



- 99.9% Kills 99.9% of all germs
- No chemical residue, ozone, or extra radiation
- Thorough disinfection with no blind spots
- 3-minute disinfection on-the-go

59S UV LED Nail Lamp

Accounted for 60% of products sold in the global nail lamp market and 80% in the Chinese nail lamp market



59S®

59S UV LED Nail Lamp Series



SUN 1



SUN 2



SUN 3



SUN 4



SUN 5/5 Plus



SUN 6



SUN 7



SUN 8



SUN 9X / 9C / 9 Plus



SUN Mini 2



Eye-Friendly



No Discomfort



UV/LED



Gentle on Your Hand



Adjustable Timer



Smart Sensor

The testing report of SunClean™ for killing HCoV- 229E
(similar structure of COVID-19)

Test No. KY20200694

GUANG ZHOU INSTITUTE OF MICROBIOLOGY CO., LTD.

TEST REPORT

Date Received: Sep. 21, 2020

Date Analyzed: Sep. 25, 2020

Killing Test:

1. Test Supplies

1) Strain: *Coronavirus HCoV-229E*

2) Cells: MRC-5

2. Test Conditions

1) Environmental temperature: (23-25) °C

2) Environmental humidity: (63-69) %RH

3) Test time: 20 s

3. Test Procedure

1) On the first day of the experiment, MRC-5 cells were inoculated into a 96-well cell culture plate, with 2.0×10^4 cells/well, and the cells were standby when they grew into a monolayer.

2) Cut out 3 cm×3 cm plastic sheet and use it after autoclave sterilization.

3) On the second day, add 0.2 ml of 229E virus fluid (virus containing $10^{3.5}$ TCID₅₀) onto the plastic sheet, smear it evenly and place it in a sterile plate. The door handle sterilizer was placed above the plastic sheet of the experimental group at a distance of 5cm and 10cm, and the sterilizer for 20s, while the control group was given no treatment.

4) The plastic sheets of the control group and the experimental group were moved to a 50 mL centrifuge tube and added to 1 mL PBS. Blow the pipette repeatedly to release the virus.

5) The virus liquid of the above groups were diluted with serum-free DMEM medium by Tenfold gradient dilution. Add MRC-5 cells that grow into a single layer.

6) The lesion was recorded. TCID₅₀ was calculated according to the reed-muench formula.

4. Test Results

Test Time (s)	Test Distance (cm)	Group	First Test (TCID ₅₀ /ml)	Second Test (TCID ₅₀ /ml)	Third Test (TCID ₅₀ /ml)	Mean (TCID ₅₀ /ml)	Mean Inactivation Log Value	Killing Rate (%)
20	5	Control Group	6.32×10^3	3.56×10^3	2.00×10^3	3.96×10^3	3.55	99.97
		Test Group	1.12×10^3	1.12×10^3	1.12×10^3	1.12×10^3		
	10	Control Group	2.00×10^3	3.56×10^3	3.56×10^3	3.04×10^3	1.08	91.71
		Test Group	2.00×10^3	2.00×10^3	3.56×10^3	2.52×10^3		

End of report

Editor

薛华

Checker

马海

Issuer

李华

Date Reported

Page 3 of 4

SGS testing report of SunClean™ for killing kill H1N1 Flu virus

SGS

Test Report

GZF20-022296-03

Date: 11 Nov 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	GZF20-022296.001	Machine

Test result(s):

Virus inactivation test*

Test Method: Refer to Technical Standard for Disinfection (2002 Ministry of Health P.R.China)-2.1.5.4

Sample pretreatment: Use glass as the carrier to make the virus tablet for natural dry use, and placed the tablet at 1.5m of the lamp for testing .

Virus and host cell	Action time and distance	Group	Logarithm of infectivity titre value lgTCID ₅₀ /mL	Infectivity titre of virus value TCID ₅₀ /mL	Logarithm reduction value (KL)	Virus inactivation ratio (%)
Influenza A virus H1N1 (A/PR/8/34) Host cell: MDCK	1h 1.5m	Control group 1	5.67	4.68×10 ⁵	-	-
		Control group 2	5.57	3.72×10 ⁵	-	-
		Control group 3	5.67	4.68×10 ⁵	-	-
		Test group 1	4.57	3.72×10 ⁴	1.10	92.06
		Test group 2	4.43	2.69×10 ⁴	1.14	92.76
		Test group 3	4.50	3.16×10 ⁴	1.17	93.24

Remark:

- Cell in the negative control group grew well, the results met all the requirements of the evaluation criteria.
- *The Test was carried out by external laboratory assessed as competent.

SGS-CSTC Standards Technical Services Co.,Ltd. Guangzhou Branch
Page 2 of 3

The image shows the SGS logo, which consists of a red star inside a circular emblem. Below the logo, there is text in both Chinese and English. The Chinese text reads "SGS 标准技术服务有限公司" and the English text reads "Standards & Testing Service". At the bottom, there is more contact information in Chinese: "中国·广州·经济技术开发区科学城博林路196号" and a phone number "020-82307927".

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Sale available on request or accessible at <http://www.sgs.com/Technical-Conditions.aspx> and, for electronic format, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/Terms-and-Conditions/Terms-for-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and/or exclusion clauses herein stated under any policy of the Client's institution. If any The Company's sole responsibility is to its Client and this document does not constitute transaction from exercising all their rights and obligations under the transaction documents. This document cannot be accepted in full without prior written approval of the Company. Any unauthorised alteration, forgery or falsification of the appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise indicated shown on this test report refer only to the sample(s) tested.

Attention : To check the authenticity of testing inspection report & certificate, please contact us at telephone: (86-755) 82307927 or email: CH.Bozhen@sgs.com

(E) 1910/Nov/20, Standard Test, Guangzhou Economic & Technology Development District, Guangzhou, China S100663 1 400-691-0488 1 (86-20) 82307927 www.sgs.com
中国·广州·经济技术开发区科学城博林路196号 邮编: S100663 1 400-691-0488 1 (86-20) 82307927 e sgs.ch

Member of the SGS Group

The measurement standard of SunClean™ for killing germs

广微测
Gmicro Testing

201819000883

中国认可
国际互认
检测
TESTING
CNAS L1747

广东省微生物分析检测中心

GUANGDONG DETECTION CENTER OF MICROBIOLOGY

分析检测结果

ANALYSIS AND TEST RESULT

报告编号 (Report No.): 2020SP8404R04D

1. 作用距离 Action distance: 160cm

2. 测试结果 Results:

Test organisms	Action Time	Test group	Average cfu of testing groups (cfu/片 piece)	Average cfu of positive controls (cfu/片 piece)	Sterilization logarithm (KL)	Sterilization rate (%)
(Staphylococcus aureus) ATCC 6538	5000s	1	<5	3.1×10^6	>5.79	>99.99
		2	<5	3.0×10^6	>5.78	>99.99
		3	<5	3.2×10^6	>5.81	>99.99
		Average				>5.79
	2500s	1	<5	3.1×10^6	>5.79	>99.99
		2	<5	3.0×10^6	>5.78	>99.99
		3	<5	3.2×10^6	>5.81	>99.99
		Average				>5.79
	2000s	1	<5	3.1×10^6	>5.79	>99.99
		2	<5	3.0×10^6	>5.78	>99.99
		3	<5	3.2×10^6	>5.81	>99.99
		Average				>5.79
	1500s	1	4.5×10^2	2.4×10^6	3.84	99.99
		2	3.7×10^2	2.7×10^6	3.91	99.99
		3	4.3×10^2	2.8×10^6	3.88	99.99
		Average				3.88
	1250s	1	6.0×10^2	2.4×10^6	3.71	99.98
		2	5.5×10^2	2.7×10^6	3.74	99.98
		3	6.5×10^2	2.8×10^6	3.70	99.98
		Average				3.72
	1000s	1	8.0×10^2	2.4×10^6	3.59	99.97
		2	7.5×10^2	2.7×10^6	3.60	99.98
		3	8.0×10^2	2.8×10^6	3.61	99.98
		Average				3.60
	750s	1	1.2×10^3	2.4×10^6	3.41	99.96
		2	1.1×10^3	2.7×10^6	3.44	99.96
		3	1.3×10^3	2.8×10^6	3.40	99.96
		Average				3.42

(接下一页, Continued on the next page)

第 3 页 共 5 页

Measurement formula for killing germs

UV Dose $\mu\text{J}/\text{cm}^2 = \mu\text{W}/\text{cm}^2 \times \text{seconds}$	Disinfection Rate
1000 $\mu\text{J}/\text{cm}^2$	99%*
1500 $\mu\text{J}/\text{cm}^2$	99.90%*
2000 $\mu\text{J}/\text{cm}^2$	99.95%*
4000 $\mu\text{J}/\text{cm}^2$	99.99%*
*Staphylococcus Aureus. The preceding data is derived from reports obtained from third-party laboratory testing.	



Measurement Formula

1. UV Dose (μJ) = UV Concentration ($\mu\text{W}/\text{cm}^2$) \times Time(Seconds)

2. UV Concentration ($\mu\text{W}/\text{cm}^2$) = $\frac{\text{UV Power } (\mu\text{W})}{\text{Area } (\text{cm}^2)}$

* 1mW = $10^3\mu\text{W}$, 1m² = 10^4cm^2

Example: at a height of 3m the SunClean™ Downlight takes just 25 minutes to eliminate 99.9% of germs in a 3x3m(9m²) space.

SunClean™ Downlight UV Power is 180mW, Disinfection Area is 9m²

1. UV Concentration: $\frac{180\text{mW}}{9\text{m}^2} = 20\text{mW}/\text{m}^2 = 2\mu\text{W}/\text{cm}^2$

2. Time required for 99.9%: $\frac{1500\mu\text{J}}{2\mu\text{W}/\text{cm}^2} = 750\text{sec} (12.5\text{mins})$

UV Radiation Limits and Calculations

According to IEC62471 of the International Electrolust Institute and the CDC's National Institute for Occupational Safety and Health, people should not be exposed to more than 30J/m2 of UV radiation.

Table DVC.2.1.2 – Permissible ultraviolet exposures	
Effective irradiance, E. ($\mu\text{W}/\text{cm}^2$)	Duration Of expose per day
0.8 $\mu\text{W}/\text{cm}^2$	1 h
1.7 $\mu\text{W}/\text{cm}^2$	30 min
3.3 $\mu\text{W}/\text{cm}^2$	15 min
5 $\mu\text{W}/\text{cm}^2$	10 min
10 $\mu\text{W}/\text{cm}^2$	5 min
50 $\mu\text{W}/\text{cm}^2$	1 min
100 $\mu\text{W}/\text{cm}^2$	30 s

Example:

SunClean™ downlights have a UV concentration of $2\mu\text{W}/\text{cm}^2$, thus applying the formula to a SunClean™ Downlight.

The safety threshold would be calculated as: $\frac{3000\mu\text{J}/\text{cm}^2 (30\text{J}/\text{m}^2)}{2\mu\text{W}/\text{cm}^2} = 1500\text{sec} (25\text{mins})$

International UV Safety Threshold	SunClean™ Downlight UV Energy	Max Safe Exposure Time
30J/m ² (3000 $\mu\text{J}/\text{cm}^2$)	2 $\mu\text{W}/\text{cm}^2$	25min

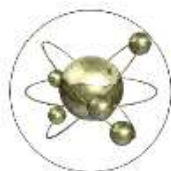


Scan & See in Action

Wholesaler

Återförsäljare:

KEYLINE AB



För beställning eller frågor

Ring: +46(0)565 202 30

Maila: info@keyline.se