Towards a cleaner and safer future

Protect your **business**

Protect your **employees**

Protect your **customers**

PRODUCT OF SINGAPORE

CLED

Disinfection solutions through UV-C LED Technologies

Air Disinfection Solutions

The aim of air disinfection is to prevent the spread of infectious diseases caused by bacteria and viruses via droplets and aerosols.

Designed and manufactured in accordance with ASHRAE, CDC, and NEA guidelines.

CLED UR-6 (UV-C) Air Disinfection Solution

Our innovative Air Disinfection Solution utilises UV-C LED as a disinfection tool to kill bacteria, viruses, and COVID-19. Using air disinfection, the air is continuously sterilized throughout the space with 99.99% effectiveness. CLED UR-6 is designed and manufactured in accordance with the ASHRAE, CDC and NEA guidelines. It is completely safe to activate the air disinfection when the room is occupied.

Germicidal Effectiveness
Destroy bacteria and viruses including Covid-19 within minutes

Environmental Friendly
Mercury free, Lead free, Ozone free

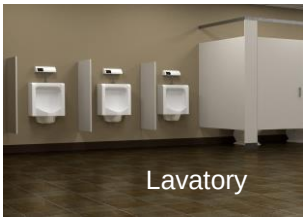
Maintenance Free
Long LED lifespan, No licensed lamp disposal required

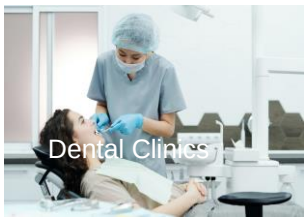
Cost Effective
Low power consumption, Competitive pricing

Why choose CLED UR-6 (UV-C) Air Disinfection Solution?

- Prevent business disruption
- Enhance customer safety against COVID
- Maximise employee care
- Efficacious and cost-saving disinfection solution

Applications of ultraviolet germicidal irradiation disinfection





"Thank you for your excellent service. I appreciate your advice and your suggestion that CLED UR-6 would be the best option for me. This device is great! I am really grateful to you for turning my office into a safer, healthier place to work. It is with pleasure that I will definitely recommend your company to others."

Joanne
CEO, Mind-Stream International

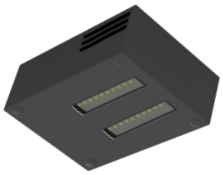
To rethink safety, we studied the COVID virus

UV light not only kills Covid 19 viruses easily, but it also enhances general hygiene. Our range of highly effective surface and airborne UV-C LED disinfection solutions are designed to ward off health threats effectively and improve environmental hygiene.

With our CLED Upper Room UR-6 UV-C LED disinfection solution, the air quality is significantly improved from <3 ACH to >12ACH, effectively supplying fresh, clean air into the room every 5 minutes throughout the day. All of our products are designed and manufactured in accordance with ASHRAE, CDC and NEA guidelines.

Go Beyond with CLED

Complete commercial disinfection solution for a cleaner and safer environment



Upper Room Technical Specifications

Model	:	CLED UR-6
Dimension	:	15cm(L) x 24.5cm(W) x 5.5cm(H)
Weight	:	0.7kg
Electrical Power	:	13W
Disinfection Coverage	:	18.4m^2
LED Lifespan	:	20,000h
Maximum Distance	:	4m
Human Sensor Range	:	N/A
System Software	:	Proprietary Software

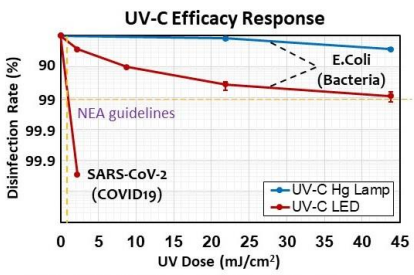
Smart Surface Technical Specifications

Model	:	CLED SS-6
Dimension	:	20cm(L) x 12cm(W) x 6cm(H)
Weight	:	0.5kg
Electrical Power	:	2W (Standby) / 14W (Operating)
Disinfection Coverage	:	Refer to UV coverage table
LED Lifespan	:	200,000 cycles
Maximum Distance	:	4m
Human Sensor Range	:	Up to 7m
System Software	:	Proprietary Software

Comparison Table

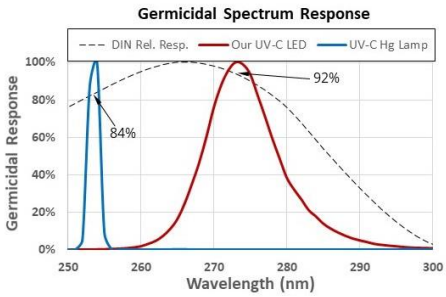
Attributes	Current Solutions			CLED
	Anti-microbial	Air Purifier	Mercury Lamp	UV-C LED
Germicidal Effectiveness	✓✓	✓✓✓✓	✓✓✓	✓✓✓✓
Disinfection Coverage	Surface only	<2m	2m	**4m**
Air Change per Hour	Nil	3-8ACH	12-28ACH	**12-28ACH**
Environmental Friendly	Yes	Yes	Ozone, Mercury	**Yes**
Maintenance	~2-3 month	3-6 month (HEPA Filter)	9,000h	**20,000h / 200,000 cycles**
Operational Requirement	No chemicals No hard objects	N/A	Mercury Spill Kit Proper Lamp Disposal	**N/A**

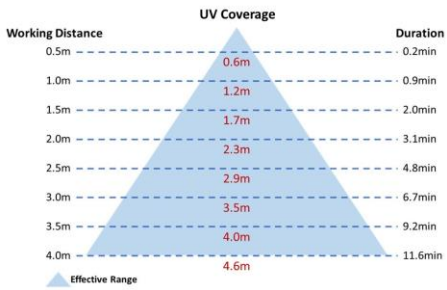
Statistical Data



UV Dose (uJ/cm^2) = UV intensity (uW/cm^2) x time (s)

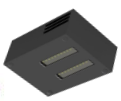
[1]NEA guidelines: Min. UV dose of 1.5 mJ/cm^2 for 99% disinfection





Test Results CLED UR-6

Location		Airborne Bacteria Count	Surface Bacteria Count
TableTop	Before	67 cfu/m^3	-
	1 day After	12 cfu/m^3 ↓82%	-
Table	Before	-	160 cfu/swab
	1 day After	-	50 cfu/swab ↓69%



Test Results CLED SS-6

Location		Airborne Bacteria Count	Surface Bacteria Count
Toilet Seat	Before	130 cfu/m^3	-
	1 day After	61 cfu/m^3 ↓47%	-
Toilet Seat Cover	Before	-	170 cfu/swab
	1 day After	-	<5 cfu/swab ↓97%

Test results from SETSCO Singapore Pte Ltd

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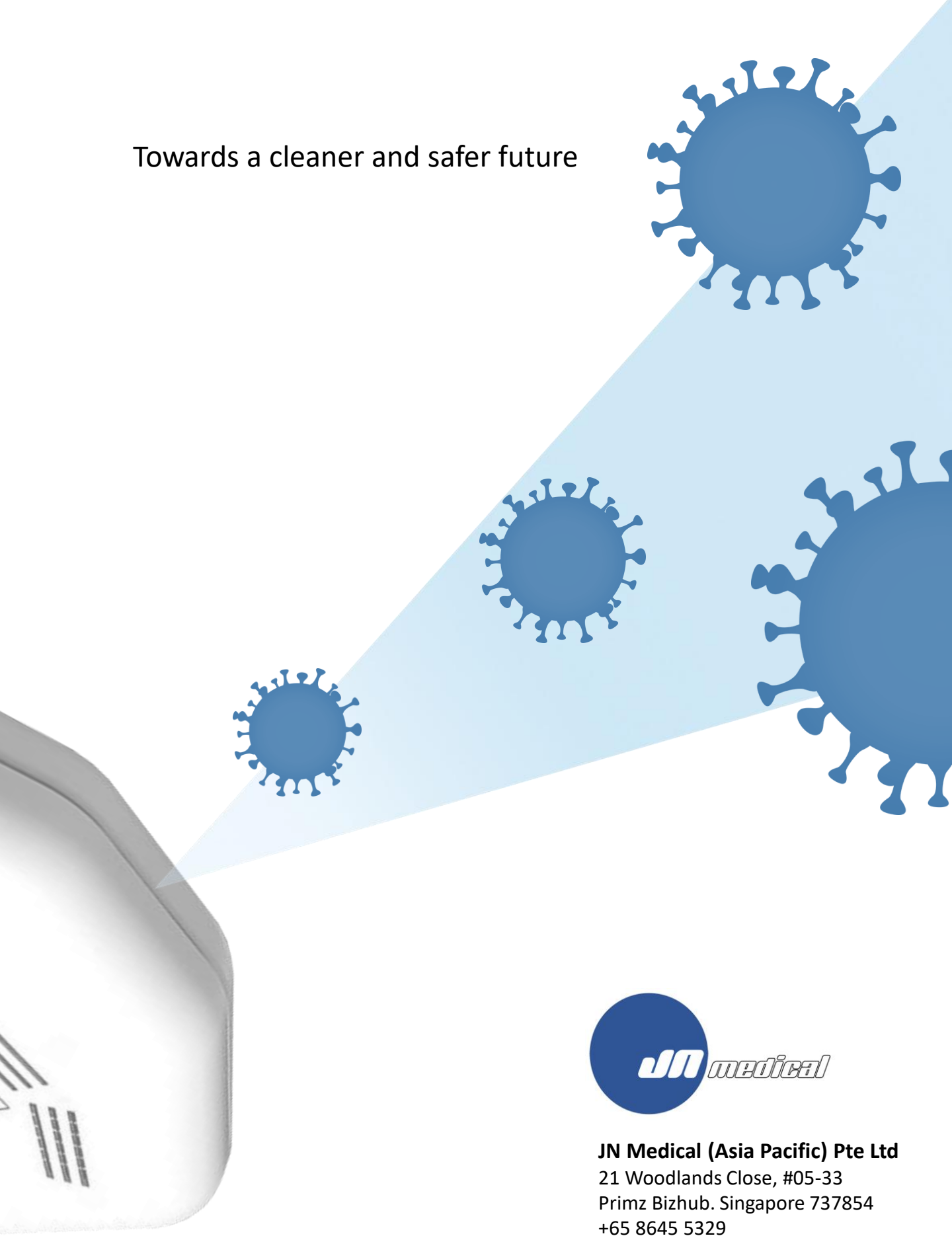

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