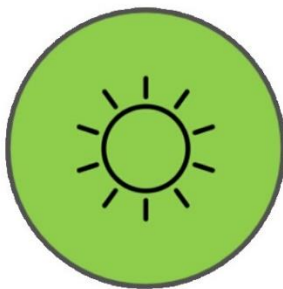
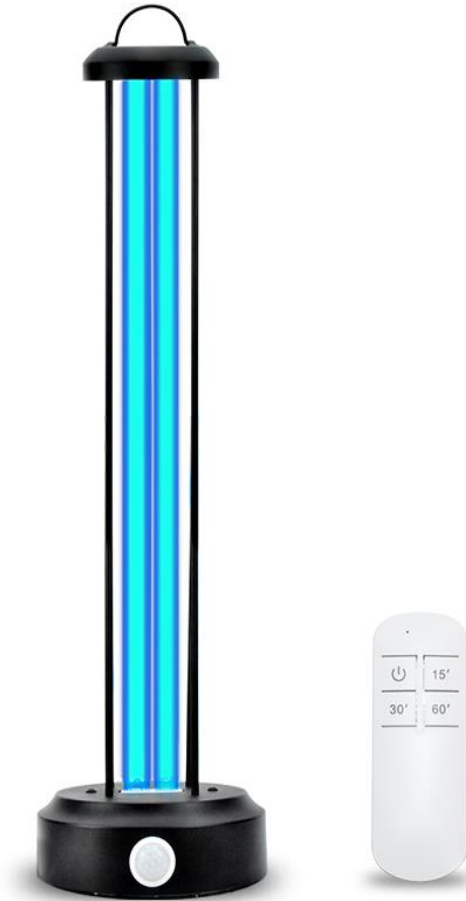


Tabletop UVC Disinfection Lamp



Product Instruction

UV disinfection lamp is suitable for sterilize, disinfection, remove dust mites, air purification and formaldehyde removal up to 645 sq² space. It mainly acts on the DNA of microorganisms, destroying the structure of DNA, making it lose the function of reproduction and self-replication.

Ultraviolet bactericidal lamps are used to kill bacterial propagules, spores, mycobacteria, corona viruses, fungi, rickettsia and chlamydia, etc. UV germicidal lamps can be used on the surface, water and air of anti-contaminated objects disinfection. Disinfection rate reach 99.9%.

The Space Area	100-215 sq ²	320-430 sq ²	538-645 sq ²
Recommended Sterilization Duration	15 Minutes	30 Minutes	60 Minutes
Recommended Scenario	Kitchen, bathroom, balcony	Dining room, bedroom	Sitting room, Large bedroom, meeting room

Product Specification

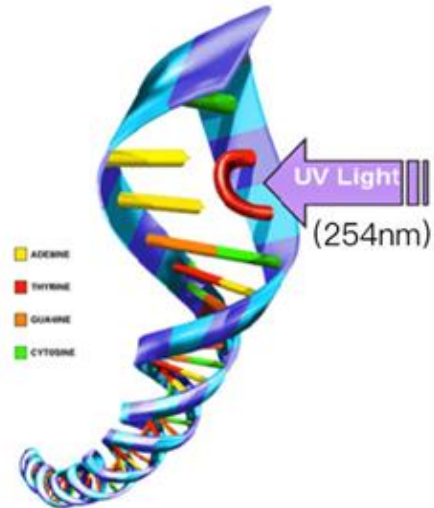
Product	UV-C Disinfection Lamp
Voltage	110V
Power	36W
Coverage Area	215-645 sq ²
Wavelength	UV-C 254nm
Coverage Angle	Full 360°
Remote Control Timer	Disinfection 3 Level 15 / 30 / 60 Mins
Safety Sensor	Infrared
Size:	17.3" x 5.9"
Safety Delay Switch	15 Second
Control Type	Wireless Remote

Photochemical Destruction of DNA

Normal DNA Structure



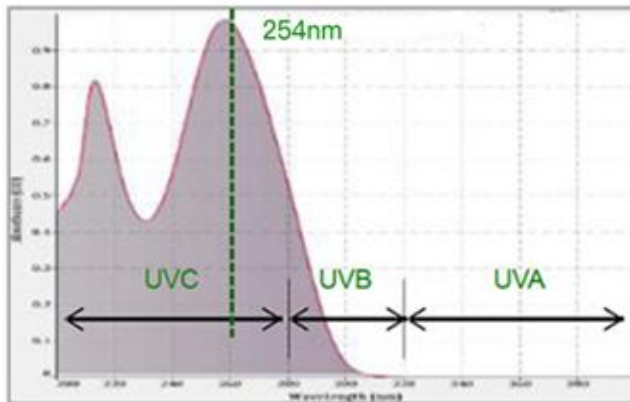
Transformed DNA Structure



DNA Structure Transformation

Intercept Propagation

< DNA Absorbance >



Test Time (min)	No.	Test group		Killing Rate K_t (%)
		Original Bacteria Count V (cfu/m ³)	Bacteria Count after Treatment V (cfu/m ³)	
40	1	9.16×10^4	<7	>99.99
	2	8.68×10^4	<7	>99.99
	3	9.10×10^4	<7	>99.99

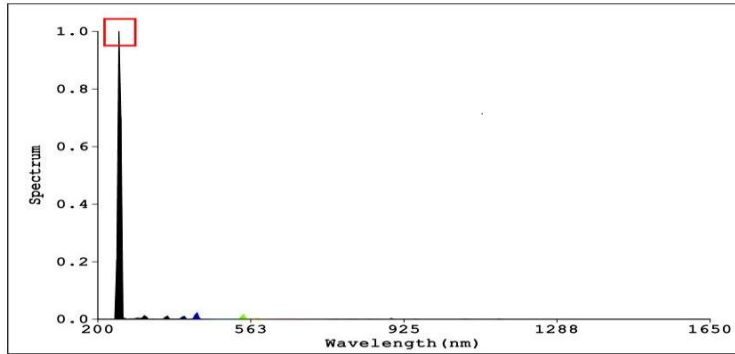
Laboratory Certification



Radiation Photobiological Safety Report

Model : LX-UVCDL36
 Number : PDG200717001-1K
 Manufacturer: Luxglo
 Tester : Will Wang *Will Wang*
 Date : 2020-07-20

Instrument : OST-300(EVERFINE)
 Temperature : 26.1deg
 RH : 28%
 Remarks : IEC 62471:2006
 B(L) & R(L)



LB RFOV (mrad)	Measured (W/m2/sr)	Limit (W/m2/sr)
100(Exempt Risk Group)	2.657e0	1.000e2
11(Risk Group 1)	5.915e0	1.000e4
1.7(Risk Group 2)	5.995e0	4.000e6
LR RFOV (mrad)	Measured (W/m2/sr)	Limit (W/m2/sr)
11(Exempt Risk Group)	6.293e1	2.800e5
11(Risk Group 1)	6.293e1	2.800e5
1.7(Risk Group 2)	6.378e1	7.100e5

Color Parameters:

Chromaticity Coordinate: $x=0.2230$ $y=0.2602$ $u'=0.1571$ $v'=0.4125$ $Tc=50080K$

Dominant WL: $Ld=482.6nm$ **Peak WL: $Lp=250.0nm$** Purity=43.5% Red Ratio: $R=0.4\%$

Render Index: $Ra=11.2$ FWHM=9.6nm

R1 =-2 R2 =14 R3 =-2 R4 =4 R5 =18 R6 =6 R7 =37
 R8 =14 R9 =-274 R10=-117 R11=-7 R12=-15 R13=-3 R14=36 R15=-3

Photo Parameters(CX Condition:Muti Test):

Distance = 200.0mm

Alpha = 0.1000rad

E = 238.8lx UV Ratio = 77272.7 mW/m2/klx

Es = 8.191e0 W/m2 * Tmax_Es = 4s

Eb = 4.763e-1 W/m2 Tmax is not needed

Euva = 3.273e-1 W/m2 Tmax_Euva > 1000s

Eir = 6.863e0 W/m2 Tmax_Eir > 1000s

Eh = 8.247e0 W/m2 Tmax_Eh > 10s

LB(1.7mrad) = 5.995e0 W/m2/Sr Tmax_LB > 10000s

LR(1.7mrad) = 6.378e1 W/m2/sr Tmax_LR > 10s

Lir = 7.942e-2 W/m2/Sr (Tmax is not needed)

Result:

Lamp Type: Risk Group 3



Additional Parameters:

Euva Euva: 399.83 mW/m2

Euvb Euvb: 365.24 mW/m2

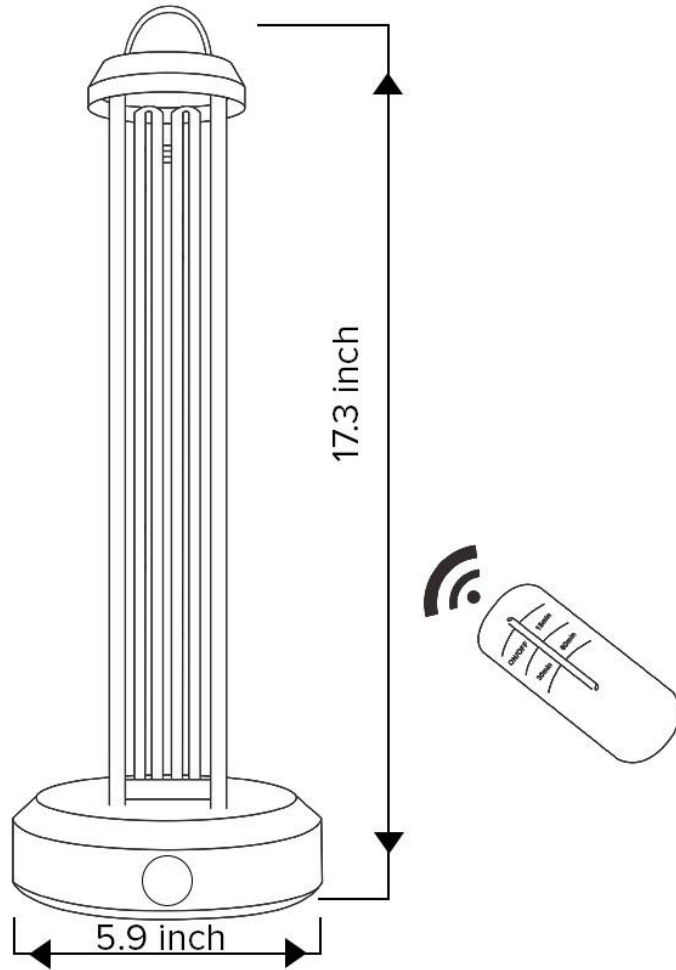
Euvc Euvc: 17774 mW/m2

Euva_eff Euva_eff: 0.25581 mW/m2

Euvb_eff Euvb_eff: 74.789 mW/m2

Euvc_eff Euvc_eff: 8127.6 mW/m2

36W UVC Lamp Size



CE **FC** **✓ RoHS**

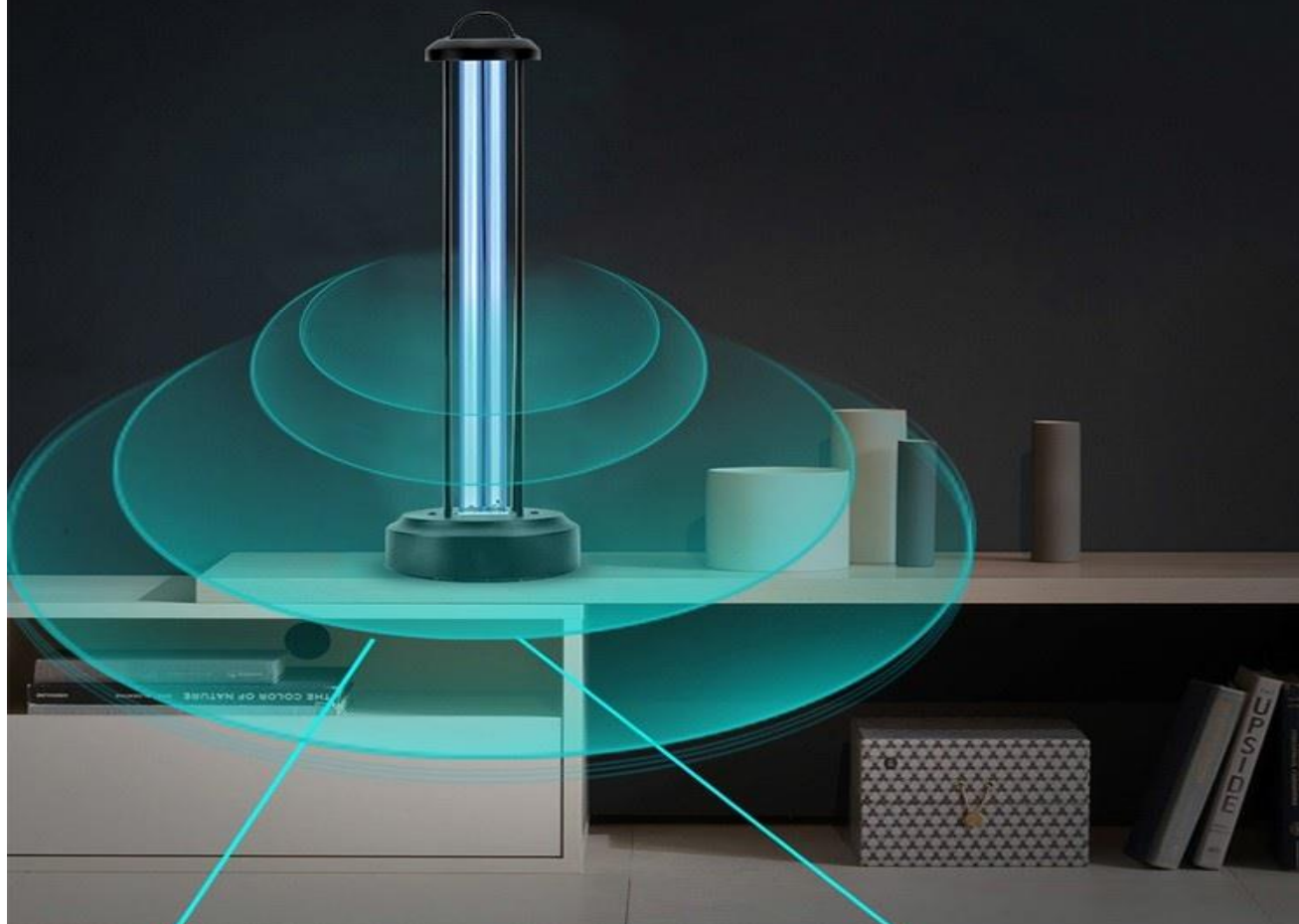
Remote Access

SAFER WITH CONTROLLER

Can be operated remotely across doors, walls, cabinets, no angle restrictions.



INTELLIGENT INFRARED SENSOR



Not germicidal
at a distance



Automatically stop
sterilization within
the range of induction



After the person left,
no moving objects
automatically restart

Certificate

CERTIFICATE of Conformity

Reference No. : LCS2004
Applicant : ZHONGSHAN
Address : No.19, KangLong
Guangdong
Trade Mark : HELLOAI
Product : UV Disinfection Lamp
Model(s) : AR-UV-DL-01, AR-UV-DL-02, AR-UV-DL-03
Parameters : 100-240V~

The submitted products have been tested and found to be in compliance with the following EU Directives:

The LVD Directive 2014/35/EU

EN 60335-1: 2012+A11: 2014

EN 62471:2008;

EN 62233: 2008

The tests were performed in our laboratory on a particular sample tested and to the specific sample investigated in our test.

The CE markings as shown below are necessary technical documents.

Other relevant Directives have to be checked.



Date of issue: April 14, 2020

Guangzhou LCS Compliance Testing Laboratory
No. 44-1, Qianfeng North Road, Shihe, Panyu
Tel: (86)223-3118888 Fax: (86)223-3118888
Http://www.lcs-cert.com Email: webmaster@lcs-cert.com

CERTIFICATE of Conformity

Reference No. : LCS2004
Applicant : ZHONGSHAN
Address : No.19, KangLong
China
Trade Mark : HELLOAI
Product : UV Disinfection Lamp
Model(s) : AR-UV-DL-01, AR-UV-DL-02, AR-UV-DL-03

The submitted products have been tested and found to be in compliance with the following EU Directives:

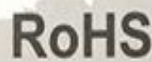
The RoHS Directive 2011/65/EU

IEC 62321-3-1:2013 IEC 62321-4:2015 IEC 62321-4:2015 IEC 62321-4:2015

The tests were performed in our laboratory on a particular sample tested and to the specific sample investigated in our test.

The RoHS markings as shown below are necessary technical documents.

Other relevant Directives have to be checked.



Date of issue: April 15, 2020

Zhongshan LCS Compliance Testing Laboratory
No. 23F, Building A, Zhongshan Park
Tech Development Zhongshan, Guangdong
Tel: (86) 0760-8528256 Fax: (86) 0760-8528256
Http://www.lcs-cert.com Email: webmaster@lcs-cert.com

SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

Report No.: LCS200401177AE

FCC Part 15, Subpart B, Class B(sDoC)

TEST REPORT

ZHONGSHAN AIER LIGHTING TECHNOLOGY CO., LTD

UV Disinfection Lamp

Test Model: AR-UV-DL-01

Additional Model No.: Please Refer To Page 7

Prepared for : ZHONGSHAN AIER LIGHTING TECHNOLOGY CO., LTD
Address : No.19, KangLong Second Street, HengLan, ZhongShan, Guangdong, China

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
Address : Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Tel : (+86)755-82591330
Fax : (+86)755-82591332
Web : www.LCS-cert.com
Mail : webmaster@LCS-cert.com

Date of receipt of test sample : April 14, 2020
Number of tested samples : 1
Serial number : Prototype
Date of Test : April 14, 2020 ~ April 22, 2020
Date of Report : April 23, 2020



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UVC Lamp Operation

1. After being connected to the power, the buzzer beeps 15 seconds into the disinfection mode. At the same time, radar sensor will start to work. If there is no person or pet that is detected after 10 seconds, the sterilization will start.
2. During the sterilization process, when someone or a pet enters into the site by mistake, the buzzer will alarm, and the sterilization lamp will go out and stop working immediately. Until the person or pet leave, it will continue to work after 10 seconds.
2. You can also use the remote control to turn the lights on and off. If you choose the timer mode, select the sterilization time on the remote control and press the "Timer 15 minutes" "Timer 30 minutes" or "Timer 60 minutes" key to enter the timer mode. The lamp will automatically light up after 15 seconds.
3. After the sterilization is completed according to the selected time, the UV lamp will automatically turn off and return to the shutdown state. If don't choose the disinfection time with remote control, sterilization will finish after 60 minutes.

CAUTION

1. Don't look directly at the ultraviolet light source. It should be used without people, pets or plants. Ultraviolet radiation may cause skin erythematic, conjunctiva irritation and fatigue.
2. Long-term exposure to ultraviolet rays will burn people's skin and eyes, and long-term inhalation of ozone will harm people. For disinfection, doors and windows must be closed, people and animals must leave.
3. Radar is an auxiliary detection method in human detection. The detection effect will be different due to the placement position and the surrounding environment. Please pay attention to protect from ultraviolet rays.



Application

Kindergarten / School / Bedroom / Restaurant / Hospital / Farms, ect



SAFETY DESIGN



**QUARTZ TUBE
HIGH TRANSMITTANCE**



LEAKAGE PROTECTION



**REMOTE CONTROL
THROUGH THE WALL**



STABLE PERFORMANCE



15S DELAY START