

BIOLOGICAL LIGHTING

GERMICIDAL SERIES

Excimer Lamp UV-C 222

Specification

Excimer Lamp UV-C 222nm devices used in professional surface and air disinfection in occupied and unoccupied areas. UV-C disinfection relies on radiation emitted in the wavelength range of 222 nm with no ozone produced to inactivate pathogens and no human harm.

Housing : Silver Aluminum with Quartz glass

Application : Disinfection

Power : 20W

Wavelength : Far UV-C 222nm with No ozone

Beam Angle : 60 degree

Control Gear : Electronic Driver with motion sensor
and Timer

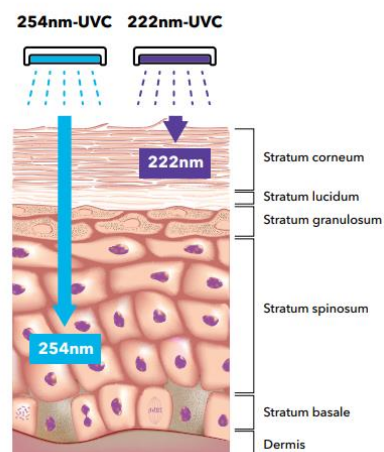
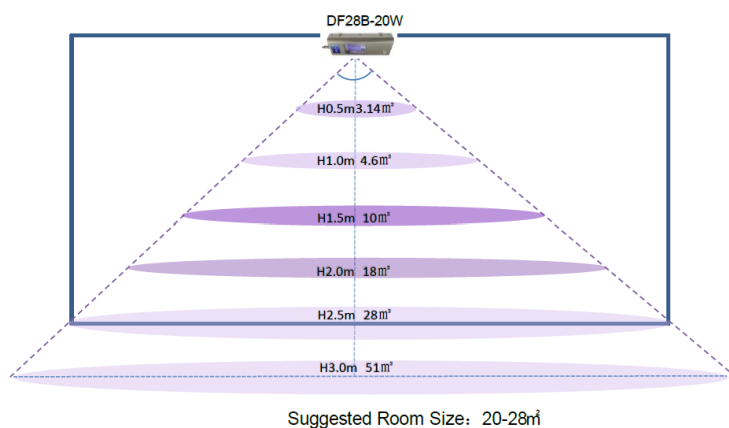
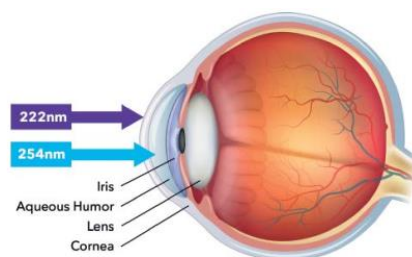
IP Rating : 20

Lifetime : 3000

Dimension : 307x117x48mm



*Noted : UV Threshold Limit Values For UV-C 222nm
is 22 mJ/cm² (For both skin and eyes)




Product	Power	Angle	UV-C irradiance	Input Voltage	Working Voltage	Application
Ex222-20W	20W	60°	3000 uW	100-240 Vac	DC 24V	Disinfection


Instruction Manual

1. Administrator Settings

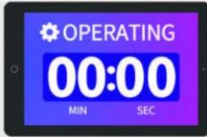
STEP1: Press to power on, and press to enter the setting interface




STEP2: Press or to change the languages; and press when it is confirmed



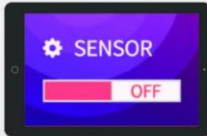
STEP4: Press to return to setting; set the time of 'operating' and 'stand by' by pressing or and press when it is confirmed



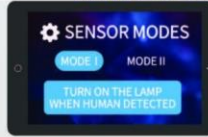


STEP5: Press to return to setting; set the count of loop by pressing or ; and press when it is confirmed



STEP6: Press to return to setting; turn on or turn off the sensor by pressing or ; and press when it is confirmed

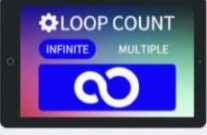

STEP7: Press to return to setting; choose the the mode of sensor by pressing or ; and press when it is confirmed


STEP8: Press to start the device;

press the bottom of or to check the loop count

press the bottom of *7 times to check the time remaining



2. Note

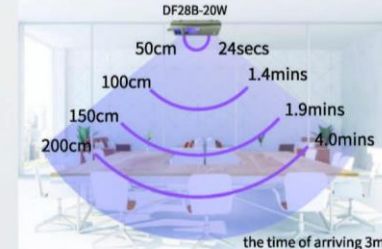
According to the Photobiological Safety Test IEC/EN62471, humans should not be exposed to 222's ultraviolet rays over 22mj in a day.

The time humans can be exposed to 222 is related to the power of light and the distance to the light source.

Data Sheet DF28B-20W DC24V

Range (unit: cm)	irradiance (unit: mW/cm²)	2mj	3mj	4mj	5mj	10mj	22mj
0	3.8	0.0	0.0	0.0	0.0	0.0	0.1
50	0.13	0.3	0.4	0.5	0.6	1.3	2.8
100	0.04	0.9	1.4	1.9	2.3	4.6	10.2
150	0.027	1.3	1.9	2.5	3.1	6.3	13.8
200	0.012	2.7	4.0	5.4	6.7	13.4	29.6
250	0.006	5.2	7.8	10.4	13.0	26.0	57.3

Note:
The above data were sourced from the average of 5 random samples, and they were taken by a hand-held illuminometer in our factory for your reference.



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Example of Application Area

Meeting Room



Reception Area



Operation Room



Class Room

