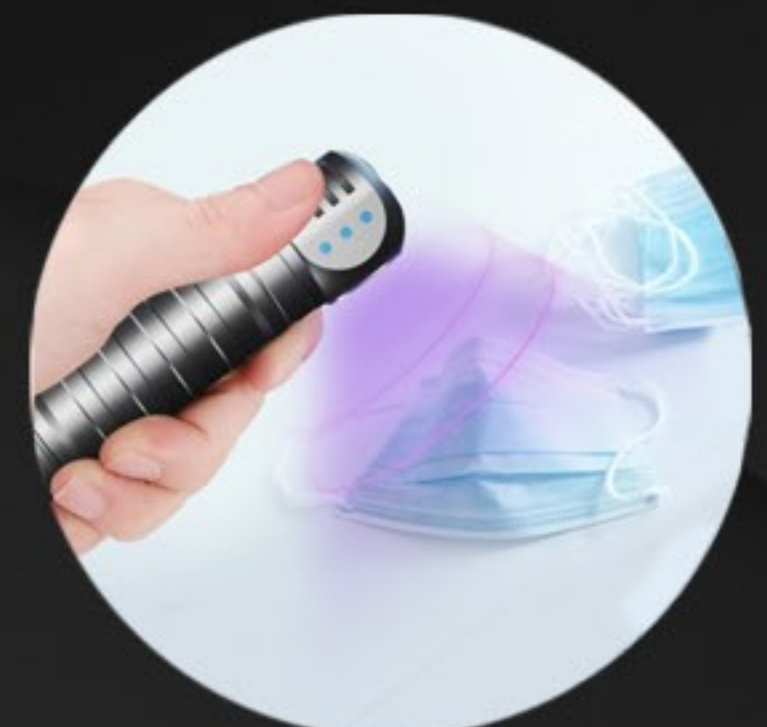




# WARDEN

The UV Disinfection light that kills 99.99% of viruses and bacteria



The Powertac UV Disinfecting Light is a portable device intended to safely disinfect any surface and kill viruses and microbials.



**EFFECTIVE**  
Kills 99.99% of viruses and bacteria



**IR SENSOR**  
Automatically turns off at the presence of a moving object



**SURFACE MOUNTING**  
Mountable to fixed areas to disinfect items like doorknobs



**EFFICIENT**  
Typically takes only 10 seconds to disinfect most items



**COVERAGE**  
Covers over 2,000cm<sup>2</sup>



**ADJUSTABLE**  
Portable, magnetic and 360° adjustable



# WARDEN

## Disinfection Times

<b>Toothbrush</b>	<i>3 seconds</i>
<b>Elevator Buttons</b>	<i>10 seconds</i>
<b>Water Bottles</b>	<i>10 seconds</i>
<b>Drinking Glass</b>	<i>30 seconds</i>
<b>Door Handle</b>	<i>30 seconds</i>
<b>Cell Phones</b>	<i>30 seconds</i>
<b>Facemask</b>	<i>39 seconds</i>
<b>Dishes and Utensils</b>	<i>10-50 seconds</i>
<b>TV Remote</b>	<i>59 seconds</i>
<b>Children's Toys</b>	<i>10-200 seconds</i>
<b>Clothes</b>	<i>50-300 seconds</i>
<b>Pillow Covers</b>	<i>300 seconds</i>
<b>Tap Water (330mL)</b>	<i>300 seconds</i>



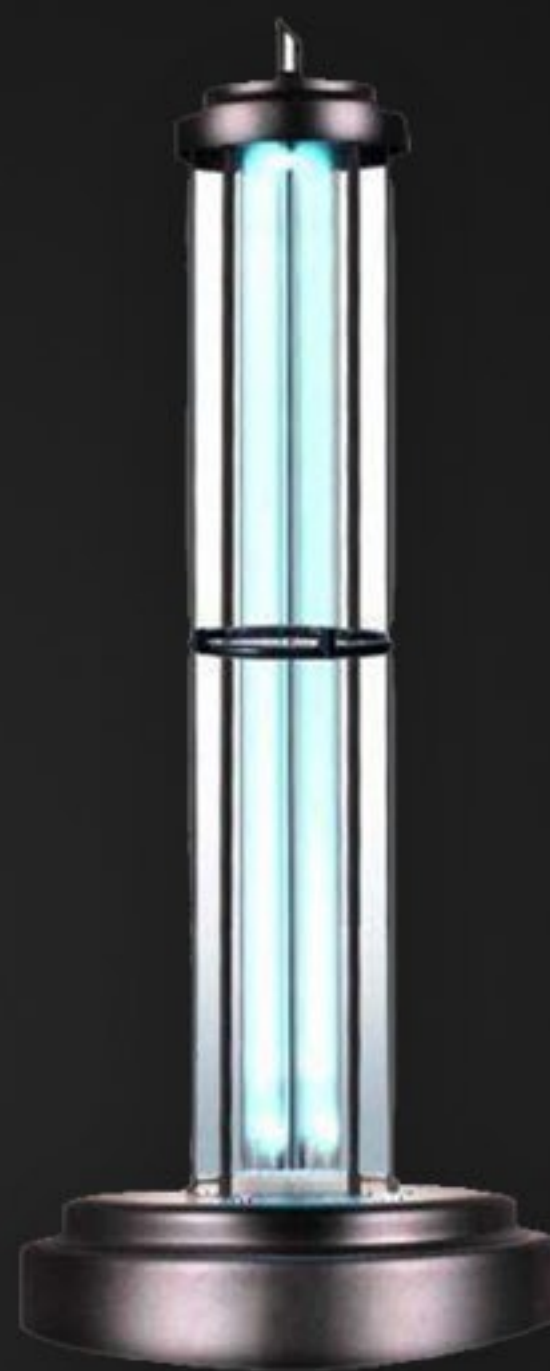
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VS

## Mercury-Based UV Lights

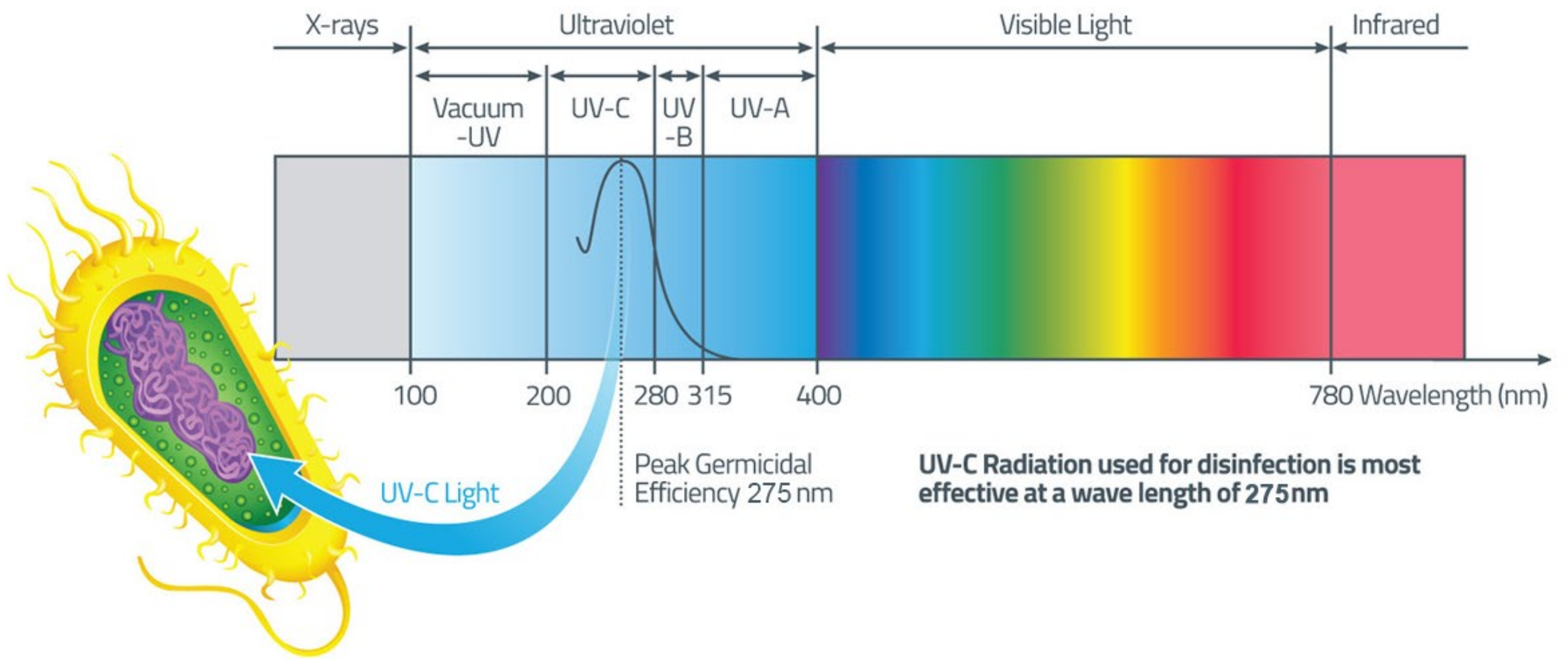


VS



- Portable
- Damage-Avoiding IR Sensor
- Environmentally Friendly
- Waterproof & Shock-proof
- Long Lifespan

- Non-portable
- Requires an unmanned area while working
- Contains mercury which is harmful to humans and the environment
- Fragile and susceptible to water damage
- Shorter lifetime due to mercury vapor



## 275nm Wavelength

The proper wavelength intended to safely kill microorganisms



### Mercury-Free

No mercury or other heavy-metal pollutants



### Long Lifespan

Built to last 5 times longer than traditional light sources



### Energy Efficient

LED technology enables efficient energy usage



### Quick Response

LED technology for responsive performance for every situation



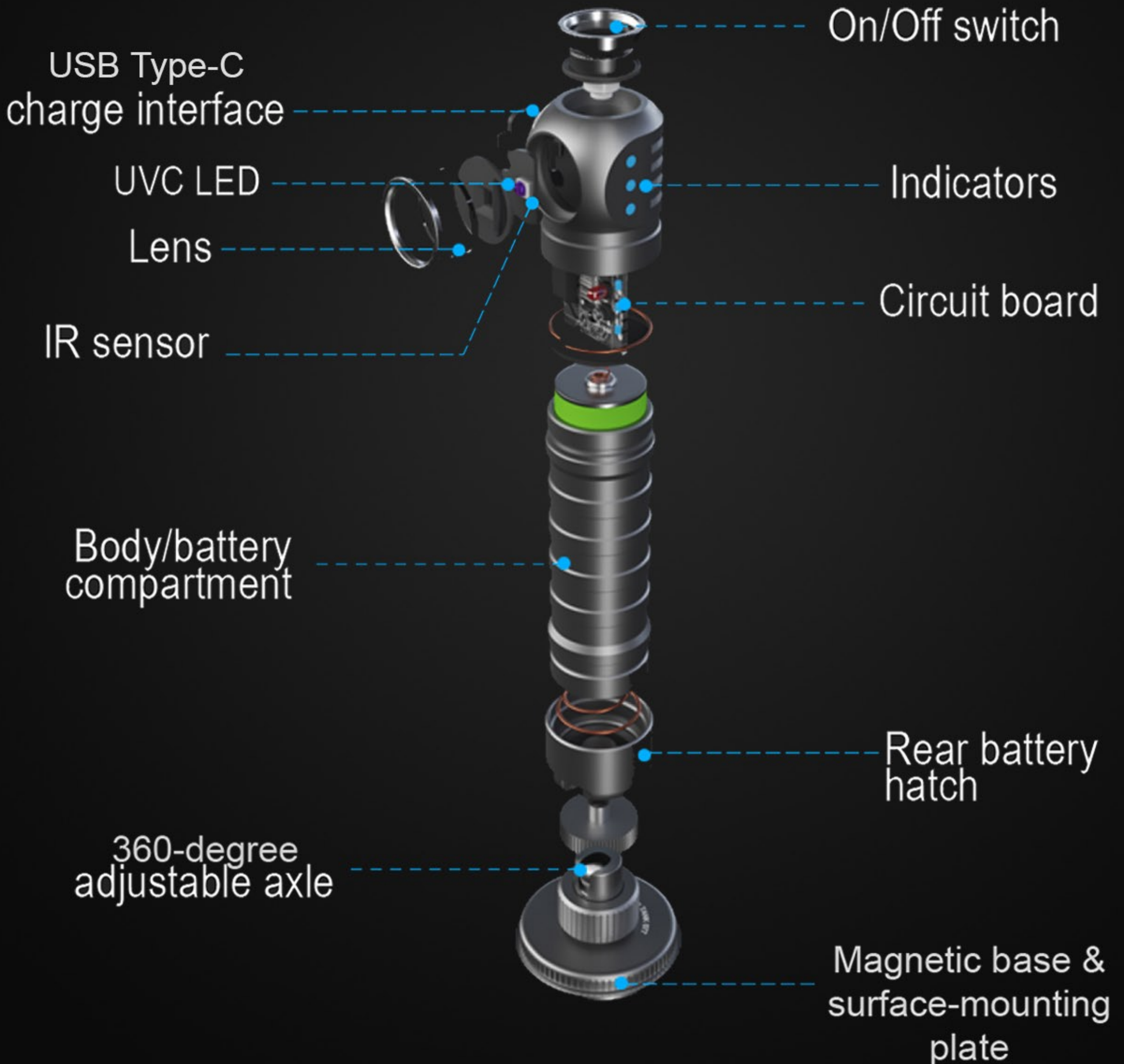
### Low Heat

Operates at a lower temperature than conventional mercury-based UV Lights



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## Structural Diagram





# WARDEN

## Operation Instructions



### ON / OFF Button

Press once to turn ON/OFF.

Press and Hold the Power Button to switch between modes. If you turn the device off it will remain on the last mode it was set to.

Triple-Click the Power Button to Lock/Unlock the device and prevent unintentional activation of the device.

### Indicator I

1) **Handheld Mode** - Indicator I [ON] / Indicator II [OFF]

The device will disinfect the target area in front of the device with the IR Sensor *disabled* so that you may operate it by hand.

### Indicator II

2) **Stationary Mode** - Indicator I [OFF] / Indicator II [ON]

The device will disinfect the target area in front of the device with the IR Sensor *enabled*. If the IR Sensor detects movement it will disable the UV Disinfection until a short duration after the IR Sensor stops detecting movement.

3) **Energy Saving Mode** - Indicator I [ON] / Indicator II [ON]

The device will disinfect the target area in front of the device for a 90-second cycle if the IR sensor does not detect movement. Every 30 minutes the device will perform a 90-second disinfection cycle with the IR Sensor enabled.

### Charging Indicator

Indicator will be *red* while charging. Indicator will change to *green* once charging is complete.





# WARDEN

Operation Instructions (cont'd)

## IR Sensor

Built-in IR sensor automatically pauses and resumes disinfection based on whether it detects a moving object



Sensor range is up to  
*15cm*

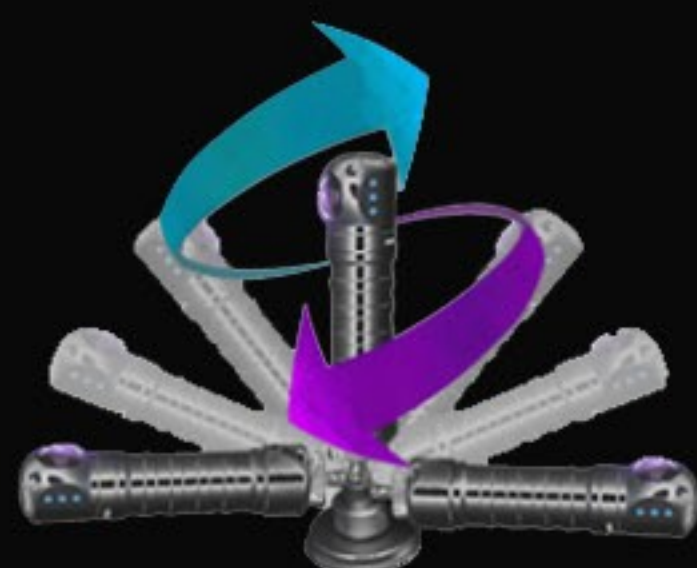
Optimal working range  
for disinfection is about  
*1 to 10 centimeters*  
above the target area



Hemispheric  
Magnetic Base



Detachable  
Body



360-Degree  
Adjustable



3M Adhesive  
Patch for  
Surface  
Mounting

<b>Size</b>	Body: 110x28x28mm Base: 60x50mm
<b>UV Wavelength</b>	275nm
<b>Distance Coverage</b>	1-10cm
<b>Surface Area Coverage</b>	4-35cm
<b>Radiation Flux</b>	17mW
<b>Power Parameter</b>	6.3V / 100mAh
<b>Operational Power</b>	0.63 W
<b>Battery Capacity</b>	5,000mAh
<b>Functional Temperature</b>	-20 C ~ 55 C
<b>Waterproof Rating</b>	IP66

