

Intelligent UV & OZONE Sterilization Bar ULTIMATE

UVP201R

2
years
warranty



(In Bag)



UVC LED



Wavelength

275nm UVC



45°



Center Irradiance:
13500µW/cm²



5mg/min



Sensor angle 80°
Sensor distance 3m



REV-ODS
Reverse Obstacle
Detection System

2cm
Sensor distance



7.3V/4000 mAh
Li-ion



UV: 2.5-3h
O3: 9-10h



4.5-5h



IP20



38x33x320mm



500 g



Input
5V ---2A



Output
MAX 11W



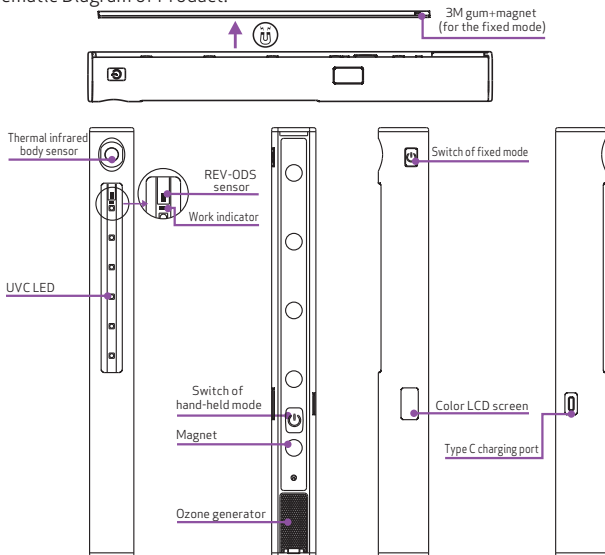
Type C

Work light specifications

Product Features:

- Double-effect disinfection combination, fully reflect the high efficiency of ULTRAVIOLET disinfection and 360° no blind angle of OZONE disinfection
- A multi-purpose machine can not only be used independently by hand held, but also used in the confined space by being fixed with 3M gum and magnet accessories
- During the hand-held using, REV-ODS intelligent Reverse Obstacle Detection System will start automatically. If detecting the distance between the light source of disinfection light head and the surface of articles to be disinfected exceeds 2cm, it will automatically stop the disinfection work, and reach the safe energy-efficient effects
- In case of disinfecting the surface of articles by independently hand-held using, it is usually able to kill 99.9% bacteria and virus on the surface or articles within 1 to 2 seconds
- During the fixed-mode using, ozone disinfection has two steps, weak ozone and strong ozone. Weak ozone step is designed to eliminate odor and formaldehyde in non-confined space, e.g. shoe cabinet, wardrobe. Strong ozone step is applicable to the disinfection in confined space, e.g. storage box, suitcase. Strong ozone will take 1 hour to kill 99.9% bacteria in the confined space of 0.2m³
- During the fixed-mode using, HBS intelligent Human Body Sensing system will start automatically, and it will automatically stop the disinfection work if sensing and detecting there are people moving around with safety and reliability
- During the fixed-mode using, the disinfection bar has the memory function. After starting each time, the screen will display the working mode for the last time
- Color LCD screen can display the information e.g. disinfection mode, disinfection time and state of charge etc. in real time
- Type-C charging, portable and durable

Schematic Diagram of Product:



Operation Instruction:

In handheld mode, there are "handheld manual" mode and "handheld automatic" mode:

1 "handheld manual" mode

- In any state, long press the hand-held mode switch for more than 1.5 seconds without releasing your hand, enter the hand-held manual mode
- The UVC LEDs start to work directly, the screen displays "UVC", and it will be turned off directly after releasing the handheld mode switch
- In this mode, the fixed mode switch is invalid

2 "handheld automatic" mode

- In the light-off or fixed mode, double-click the handheld mode switch to enter the handheld automatic mode
- The preset time for this mode is 60 minutes
- If the object being disinfected is not detected by the REV-ODS system (the sensing distance will be slightly different depending on the surface of the object), the disinfection work will be automatically suspended, The "⊖" on the screen is displayed without flashing, "⏸" icon disappeared, the purple icon "☀" will be changed to black icon "☀", If the REV-ODS system does not detect the disinfected object for 2 minutes, it will automatically shut down, saving energy and protecting the environment.
- If the REV-ODS system detects the sterilized object, it will automatically resume the sterilization work, The "⊖" on the screen is displayed with flashing, and icon "⏸" appears, the black icon "☀" will be changed to purple icon "☀".
- Short press or double-click the handheld mode switch during the work process to directly shut down, the fixed mode switch is invalid
- When the icon "⊖" disappears on the screen and the time is displayed as a green number 0: if you do nothing, it will automatically shut down after 30 seconds, saving energy and protecting the environment; if you short press or long press the handheld mode switch, you can also shut down the light.

II. Fixed Usage of Disinfection Bar. (Available to select the ULTRAVIOLET mode or OZONE mode for disinfection).

1. Short press the switch of fixed mode "⏸" to start up. Meanwhile, the intelligent HBS system will automatically start. It will automatically switch off after 30 seconds if not performing any operation for the energy conservation and environment protection.
2. Short press the switch of fixed mode "⏸" again to select the disinfection mode: ultraviolet disinfection for 10 minutes (the screen displays "☀"), ultraviolet disinfection for 20 minutes ((the screen displays "☀"), ozone disinfection for 70 minutes (the screen displays "⊕").
3. During ultraviolet mode, long press, long press the switch of fixed mode "⏸" for 1.5 seconds, and the device will enter to the 30-second preparation phase, and the screen will display "⊖" (without flashing). During ozone mode, long press the switch of fixed mode "⏸" for 1.5 seconds to choose weak ozone step (intermittent work), for 5 seconds to choose strong ozone step (uninterrupted work, screen will display "⊕"), after the selection, device will enter to the 30-second preparation phase.
 - If the intelligent HBS system doesn't detect any person, the disinfection bar starts to disinfect after the 30-second preparation phase, and "⊖" on the screen starts to flash. It will start to count down, "☀", "⏸" or "⊕" will respectively change to "☀", "⏸" or "⊕"
 - If the intelligent HBS system detects the person, the screen will display "⚠", "⊖" will display no flash and the disinfection bar stops the work; After continuing for 2 minutes, the disinfection bar will automatically switch off
4. During the fixed-mode usage, the ozone disinfection will automatically stop after working for 60 minutes, and automatically start the ultraviolet UVC to perform the ozonolysis for 10 minutes.

- If “☺” on the screen disappears and the time displays the green number 0, the disinfection work is completed. It will switch off after 30 seconds if not performing any operation for the energy conservation and environment protection.
- If the battery level is lower than 20% and the battery is displayed in red “☐”, it is required to charge as soon as possible to avoid that the remaining battery power is insufficient to finish one complete disinfection.
- Long press the fixed-mode switch “⏻” during the disinfection to shut down.
- During the fixed-mode using, the disinfection bar has the memory function. After starting each time, the screen will display the working mode for the last time.

Warning and Notice:

- In order to ensure the usage of this product is safe and effective, please read and understand this User Manual before the usage.
- Please avoid the electric shock hazard. It is prohibited to use this product in the environment with gas, flammable and explosive substances, and heat source.
- Please don't disassemble, repair or modify without permission.
- Please don't operate with wet hands.
- This working light can only be used under the regulatory voltage and frequency.



The ozone mode has to be switched off before the hand-held usage.

- Please don't look straight at the light source to avoid causing the damage to the eyes.
- The children from 0 to 12 years old are prohibited to use this product.
- UV light is prohibited to directly irradiate the skin and eyes within 15cm.
- During the ozone disinfection, it is required to close the doors of all boxes/cabinets. It is prohibited to stop or open the boxes/cabinets to be disinfected in the course of disinfection. It is able to open the doors of boxes/cabinets 30 minutes after the completion of disinfection.
- Under the ozone disinfection mode, please don't perform the disinfection to the bright-colored articles e.g. lather, fabric, rubber etc.
- Under the ultraviolet disinfection mode, please don't perform the disinfection to the bright-colored articles e.g. lather, fabric, rubber etc.
- The parameters listed for this product are only the data tested in the standard laboratory, and the different environmental temperature will have impact to these parameters.
- The battery can only be replaced by the service providers authorized by ALS, and replacing with the battery of incorrect model will have the explosion hazard.

Warranty:

Two-year warranty (The battery and accessory shall not belong to the scope of warranty).

As for the product damage caused by the improper usage or the operation of not complying with this User Manual, our company will not undertake the corresponding responsibilities.



Patent Information



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