OPTILED®

# REAL CLEAN

## UVC AIR SANITIZER

日本のデザイン

*Designed in Japan*

**The world is still experiencing a Covid-19 outbreak. Viral infections are everywhere these days, as we are learning to live with the virus. Thus, sustained regular sanitization and disinfection are becoming the norm today within city infrastructures and residential and commercial applications in the post-Covid-19 world.**

## Proven Disinfection with 3X High-Power UV-C Lamps

**1-Second virus terminator**
Powerful 6000$\mu$W/cm$^2$ UV-C radiation eliminates viruses in just one second

**High UV-C reflection for effective sanitization**
Hexagonal design with high reflective internal material that boosts the efficiency of sanitization

**Quick sanitization**
Sterilizes up to 380ft$^2$ in one hour

**Safety design**
Built-in safety switch to turn off the UV-C light in case of incomplete installation, avoiding UV-C leakage

**Maximize sanitization efficiency**
Adjustable fan speed (4-level) to accommodate different environments

**Saves energy**
The 4-Level timer allows setting up the sanitizing duration, and turn off automatically after sanitization complete

**Robust & durable**
The UV-resistant metal enclosure makes this more durable than UV-C devices with a plastic case

**Low maintenance cost**
REALCLEAN can save up to 15% of annual maintenance costs compared with air purifiers that require frequent filter changes

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## UVC AIR SANITIZER

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Model No.
OPCL-GL15X3-(W)

Model No.
OPCL-GL15X3-(B)

## UNIQUE 3D VENTILATION DESIGN
## INSTANT CLEAN AIR AT YOUR COMMAND

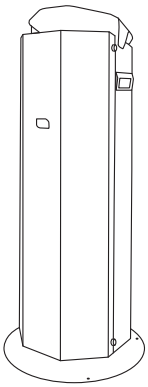
**DURABLE to Use** 2-year product warranty#, 8,000 hours lifetime for the UV-C lamps

**EASY to Maintain** Effective air disinfection without complicated filter systems, cleaning is easy

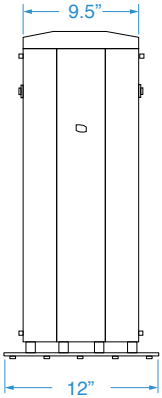
**LOW running cost** For 12-hour daily usage, operating electricity cost is only 87.8 cents per day
-Calculation based on HK CLP's tariff table, 103.1 cents x 55W x 12 hours / 1000 = 87.8 cents

## SPECIFICATION

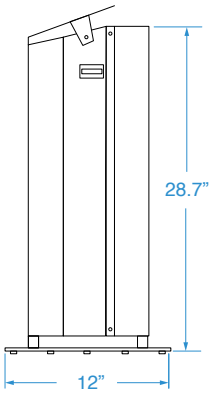
Floor-Stand



Front View




Side View



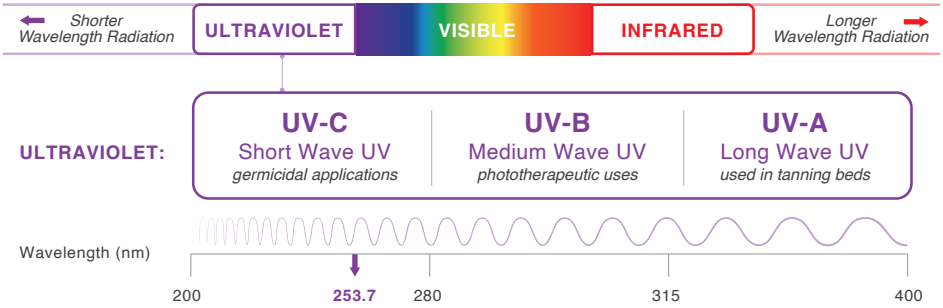

| | | | |
|---|---|---|---|
| Model | OPCL-GL15X3-(B)(W) | Weight | 10.6Kg |
| Color | (B): Black / (W): White | Operating Temperature | 5°C~40°C |
| Compatible Lamp | GL15 | Usable Location | Indoor Use |
| Input AC Voltage | 200-240V | Radiation Type | UV-C 253.7nm, ozone free |
| Input Power | 55W | Sanitizing area* | 380 ft² in 1 hour |
| Frequency | 50/60Hz | *based on 8 ft ceiling height* | |

## PROVEN AND EFFECTIVE DISINFECTION

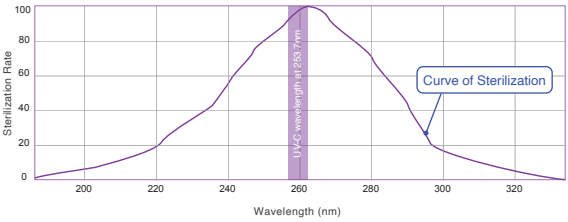
### 3X High-Power UV-C Lamps

Three 253.7nm UV-C lamps provide 14.7W of radiant UV-C output, which can effectively breaks down the DNA and RNA of airborne pathogens, stopping them from reproducing and multiplying. It is proven to disinfect viruses, bacteria, fungi and mold spores quickly and effectively.

## POWERFUL UV-C RADIATION
## NATURAL & EFFECTIVE STERILIZATION




Ultraviolet (UV) radiation is optical radiation with wavelengths shorter than visible light; and is present in sunlight. It can be divided into 3 functional categories: UV-A, UV-B and UV-C, as shown below. Germicidal UV disinfection uses energy from the short wavelength UV radiation to kill bacteria, fungi, mold spores and to inactivate viruses. UV-C radiation is more effective for sanitizing applications than UV-B and UV-A. The sterilization curve pictured above shows the germicidal effectiveness of different UV wavelengths, the peak is very near to the 253.7 nm wavelength present in the UV-C light sources inside the REALCLEAN.




UV-C radiation has been used in healthcare applications to disinfect bacteria and other pathogens for decades. More recently, UV-C has been shown to inactivate SARS-Coronavirus particles by damaging important particle structures so the virus cannot reproduce or multiply. Airborne particles are exposed to the disinfecting UV-C light as air is circulated through the REALCLEAN.

## APPLICATION AREA

REALCLEAN Air Sanitizer incorporates 3X high-power UVC lamps which neutralize micro-organisms, reducing the risk of contracting or spreading viruses and bacteria in a wide range of applications.

### Home
Keep a healthy family, and make our home a virus-free, safe and comfy place to stay

### School
Lower the impact of respiratory disease due to long hours in a closed area

### Office
Protect the staff from the spread of communicable diseases

### Hotel
Disinfect guest rooms, reception areas and club house facilities to maintain a safe environment

### Retails & Malls
Ensure a virus-free and safe environment for shopper

### Restaurants
Minimize the risk of spreading of communicable diseases

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