

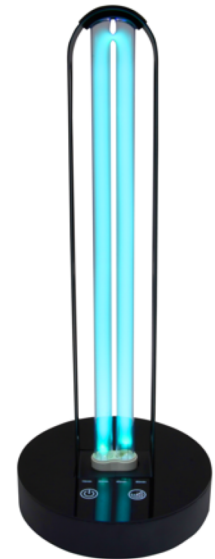
**Sentri**<sup>TM</sup>

**Empyrean**<sup>TM</sup>  
LIGHTING

## UVC DISINFECTANT LUMINAIRE RANGE

As the global pandemic continues to cause unprecedented disruption to businesses, particularly within the hospitality and tourism sectors, we know that once the world opens up again, it will take time for businesses and markets to recover.

UVC disinfection is a simple, efficient, economical and environmentally friendly way to create safe and clean rooms and environments for guests and staff, teachers and students, chefs and waiting staff, healthcare professionals and patients, employees and customers.





Our certified UVC disinfection lamps offer effective, safe and environmentally friendly 360° disinfection and sterilizing of bacteria, virus, mites and bad odour. UVC disinfection is used throughout the world in hospitals, laboratories and many other applications to effectively sterilise environments and kill bacteria, virus, mites, allergens and mold. Our durable Sentri UVC luminaires are available for a range of commercial applications, including:

Hotels & Resorts  
Spa & Health  
Schools  
Offices  
Public Facilities  
Factories

Sports Facilities/Changing Rooms  
Restaurants/Cafe  
Retail Shops  
Hospitals/Clinics  
Household  
Showrooms

The germicidal properties of the UVC light in our portable lamps enable users to effectively eliminate 99.99% of bacteria and viruses and 100% of mites within the operational area for the lamp. We are introducing two options for Ozone and Ozone Free sterilization. The 55W UVC luminaire disinfects rooms up to 50 sq. m with a 4 meter radius.

**UVC light is dangerous for humans and pets in pro-longed direct contact and it is important that rooms are clear during disinfection. Therefore, our UVC lamps are equipped with remote control and/or motion sensor auto-stop for protection. After the disinfection is complete, the sterilized room is safe to enter.**

## UVC Disinfection Table Lamp

**Sterilization**  
**Disinfection**  
**Virus Removal**  
**Mites Removal**



# HOW DOES IT WORK?

Ultraviolet(UV) light is a component of the electromagnetic spectrum that falls in the region between visible light and X-rays. This invisible radiation includes the wavelength range of 100-400 nm. UVC light covers the spectrum between 200 nm and 280 nm. Because of the spectral sensitivity of DNA, only the UVC region demonstrates significant germicidal properties.

## Disinfect and sterilise an area in 4 easy steps:

1. Make sure that the room is clear of humans, pets and plants.
2. Place the Senti™ in the centre of the room and at a height where it optimises its 360° reach.
3. Turn on the Senti™ and select the disinfection time 15/30/45/60 min. The lamp has a 10 second delay to allow the operator to leave the room.
4. After disinfection is complete, ventilate the room for 30min. Note, it is safe to enter the room when the Senti™ is off.

**IMPORTANT.** Do not look directly at the UVC light. Absorbing too much ultraviolet light can cause skin irritation or conjunctival damage.

## UVC Light & Ozone Double Clean

UVC for 15mins > 6H of sun exposure

99.9% kill bacteria

100% kill mites

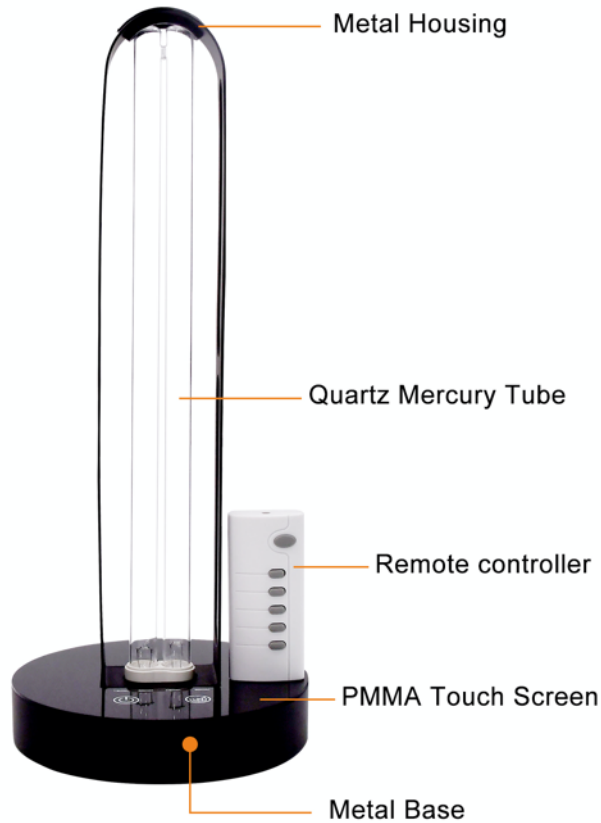
360° disinfection



# PRODUCT SPECIFICATIONS

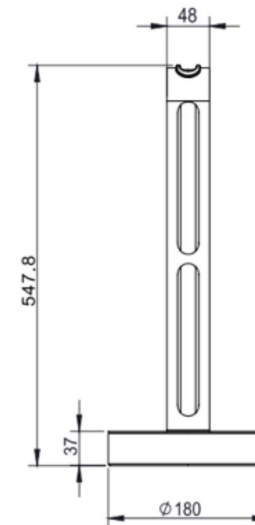
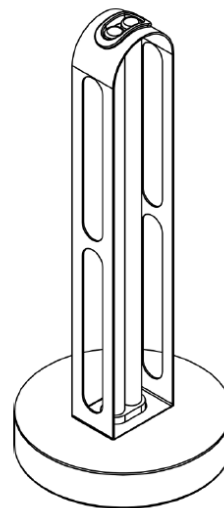
## Typical Technical Parameters:

Model	Voltage	UV Wavelength	Power	CRI	Beam Angle
Sentri-55W	AC 220-240V	254nm (Ozone /Ozone Free)	55W	10.5	360°



V. Area and Time

Area	Power	Disinfect Time	Ventilation Time	
			Ozone free	Ozone
20m <sup>2</sup>	55W	15min	15min	20min
30m <sup>2</sup>	55W	30min	15min	20min
40m <sup>2</sup>	55W	45min	20min	30min
50m <sup>2</sup>	55W	60min	20min	30min



## SCHEMATIC DRAWINGS



# OZONE vs. OZONE FREE

## OZONE

- ✓ **Tube**– UVC + O<sub>3</sub> (Ozone)
- ✓ **UV Wavelength**- 254nm
- ✓ **Function**- Sterilization + odor removal
- ✓ **Advantage** – Deep disinfection and wider reach due to ozone effect and removes odour in the room.
- ✓ **Disadvantage** – Ozone cleaning leaves a smell in the room which needs to be ventilated thoroughly.



## With Ozone, Good Sterilization Effect

(UVC+Ozone, double clean, eliminate every deep corner)

### Ozone UVC lamp

Ozone has the functions of sterilization and elimination the formaldehyde odor. It can spread throughout the room without being affected by obstructions.

#### Application:

washroom, kitchen, pet house etc.  
If you go out for couple hours, you can try ozone disinfection more thoroughly.

VS

### Ozone Free UVC lamp

Ultraviolet rays are emitted in a straight line. If the ultraviolet rays are blocked by too many objects, the rays might not reach some deep corner.

#### Application

For living room, bedroom, or those places where pregnant women/children/elderly live, it's recommended to use ozone-free disinfection.

## OZONE FREE

- ✓ **Tube**– UVC
- ✓ **UV Wavelength** - 254 nm
- ✓ **Function**- Sterilization
- ✓ **Advantage** – Effective sterilization and does not leave a noticeable Ozone smell. Shorter ventilation time.
- ✓ **Disadvantage** – Does not remove any odour from the room and does not reach as far as Ozone Clean.



# PRODUCT MODELS

## **Model: Sentri-55W**

Power: 55W

Radius range: 4 meters

Disinfection area: up to 50 sq. m at 60 min

Disinfection angle: 360°

Operation: Touchscreen+ MotionSensorAuto-Stop

## **Model: Sentri-55W-OF**

Power: 55W

Radius range: 4 meters

Disinfection area: up to 50 sq. m at 60 min

Disinfection angle: 360°

Operation: Touch Screen + Motion Sensor Auto-Stop

## SAFETY & PERFORMANCE

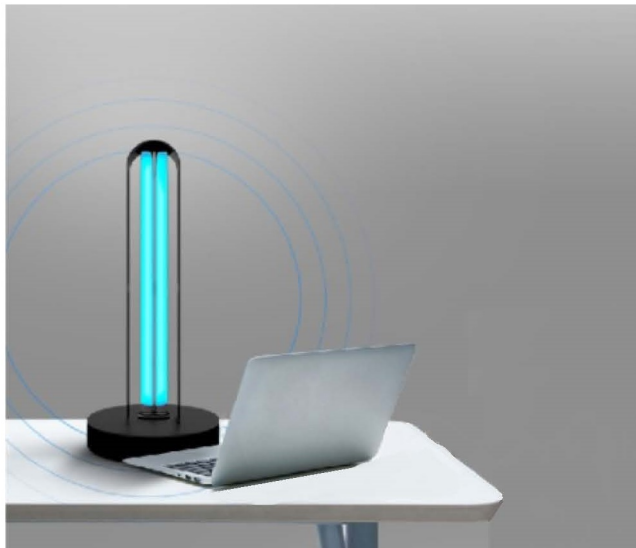
It is **IMPORTANT** to not expose humans or pets to direct UVC light. Rooms should be clear of humans, pets and plants during the duration of the disinfection. The Sentri comes with a remote control for safe operation and have added safety through a motion sensor with auto-stop, designed to immediately turn the luminaire off when triggered by any motion. Once the disinfection is complete and the UVC lamp has turned off, it is safe to enter the room and handle the equipment.

Our commercial grade UVC light tubes are made for frequent use and last up to 8,000 hrs. It is quick and easy to replace the tubes, and is recommended to keep replacement tubes on hand.

## WARRANTY

The fixture warranty (excludes the tubes) is two years. Replacement tubes are available through Empeyrean Lighting.

*360° motion sensor auto-stop on Sentri 55W model for greater protection.*



# PRICELIST

## ON APPLICATION

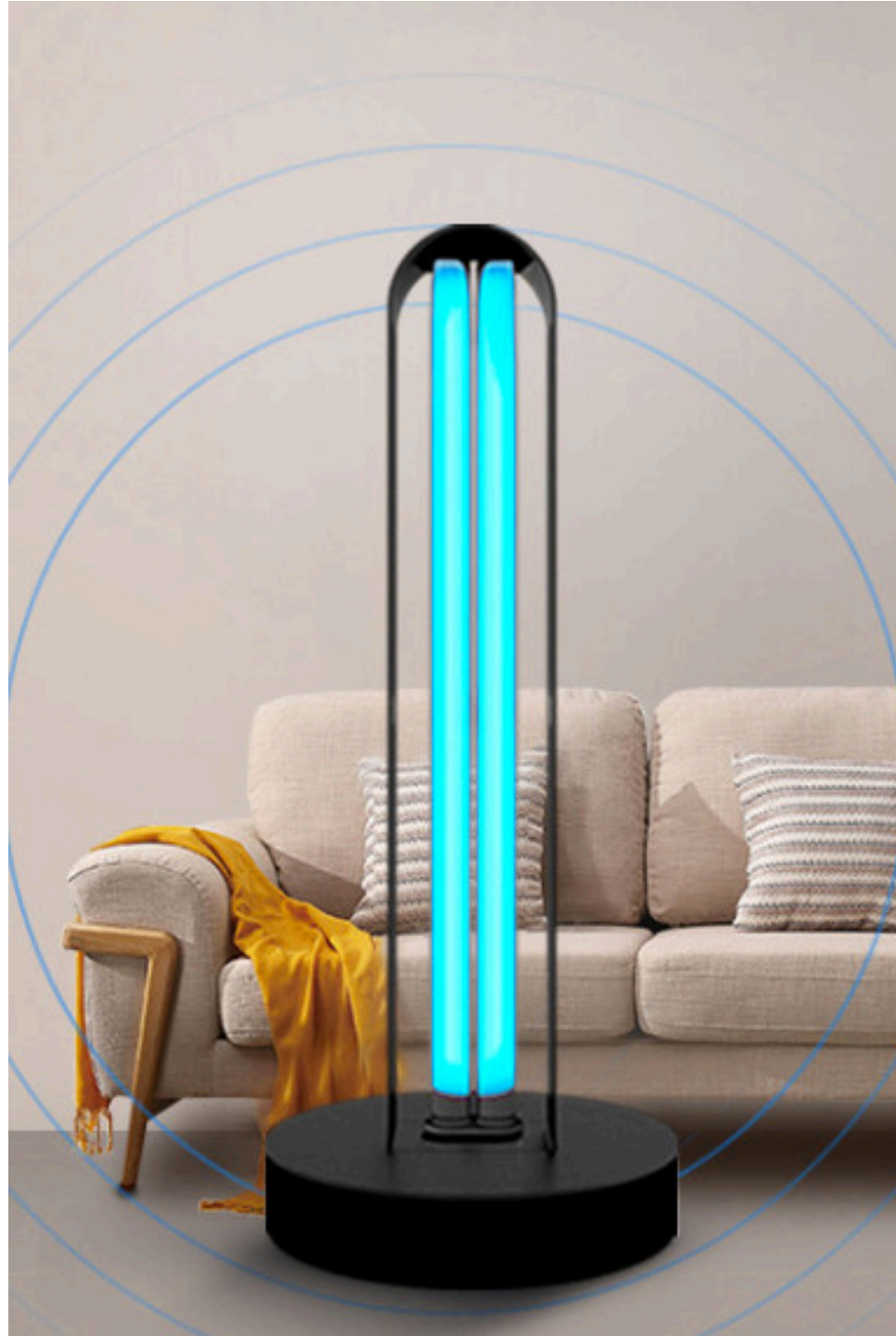
**Sentri-55W**

**Sentri-55W-OF**

**UVC Replacement Tubes (55W)**

Empyrean Lighting is happy to assist our distributors and clients with recommendations based on specific cleaning applications and environments. Please contact us to order or for more information at [info@empyreanlighting.com](mailto:info@empyreanlighting.com); 1300 200 321, (INT) +61 7 5437 7270, or visit our website [www.empyreanlighting.com](http://www.empyreanlighting.com)

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LIGHTING



CE FC



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