

# MEET PUROBOT<sup>UV</sup>

POWERED BY VIOLET DEFENSE<sup>®</sup> TECHNOLOGY

The fully-automated, full-spectrum, high-intensity, rechargeable UV disinfecting robot from PURO Lighting.

**The PUROBOT<sup>UV</sup> robot automatically kills viruses, bacteria and other pathogens up to 99.9%\* on surfaces and in the air.**

- Patented, dynamic, real-time UV disinfection is optimized in your environment using IR sensing technology.
- For the first time ever, PUROBOT<sup>UV</sup> merges the innovative Fetch Robotics autonomous mobile robot with PURO Lighting's unique full-spectrum, miniaturized ultraviolet lights, powered by Violet Defense<sup>®</sup> technology.
- The 4SITE cloud-based platform delivers real time disinfection validation and tracks UV light performance.

\*SARS-CoV-2, MRSA, C. diff, E. coli, Norovirus, C. auris



Introducing PUROBOT<sup>UV</sup>, the UV robot that automatically disinfects high traffic areas and shared spaces for viruses, bacteria, molds and fungi up to 99.9%\*. All with no toxic chemicals, no specialized crews, and no wait time for employees to re-enter the area.

## COMPONENT SPECIFICATIONS

PUROBOT <sup>UV</sup> Length/Width/Height	573mm/528mm/1731mm
Weight	140kg
UV Light Engine Life (cleaning cycles)	3,000+ hours of operation per light engine
Camera Resolution	RGB Sensor resolution 1920x1080
Wireless Protocols	802.11 a/b/g/n/ac 2T2Rw/BT4.1, Atheros QCA6174A
Active Cleaning Time with full battery charge (dual light engine model)	8-10 hours
Life of AMR	9 years
Turning Radius	Turns in place
Charging	Autonomous Docking
Charge Time	3 hrs to 90%
Light Source	Proprietary Pulsed Xenon Lamp
Flash Interval	1 UV Flash every 6 seconds
Wavelengths	UV-C (200-280nm) Germicidal UV-B (280-320nm) Germicidal UV-A (320-400nm) Bactericidal

## HOW IT WORKS

PURO Lighting's UV Pulsed Xenon system, powered by Violet Defense technology, produces germicidal UV-C, UV-B, and bactericidal UV-A to deactivate the DNA and RNA of organisms. The PUROBOT<sup>UV</sup> is proven to be up to 99.9% effective against *E. coli*, Salmonella, MRSA, Norovirus, and more\*, as well as mold, fungus, and bacteria that may be in your facility. It's an important step in keeping your organization up and running.

PUROBOT<sup>UV</sup> can be programmed to relocate to different positions in an area or room, pulse, rotate and pulse again to maximize UV coverage. Scheduling of disinfection can be initiated or modified from anywhere using a mobile device, browser, or integration with a scheduling system. Optional disinfection analytics provides disinfection event validation and UV light performance including date, time, location, photographic evidence, disinfection duration, and cleaning performance.

## PUROBOT<sup>UV</sup> DELIVERS

Fully autonomous UV disinfection for all environments including sports facilities, workout and locker areas, manufacturing, hotels, general fitness clubs, warehousing, hospitals, offices, airports and wherever people gather. Each robot offers quick disinfection with minimal downtime and can disinfect up to 1,000 feet of linear surface areas in an eight-hour shift. Employees can resume using the area as soon as the UV lamps are off.

## PUROBOT<sup>UV</sup> IS SAFE

Built in motion sensors provide automatic shut off to prevent accidental UV exposure to your employees, and our robots have obstacle detection sensors to ensure safe transport when moving between areas. PUROBOT<sup>UV</sup> is environmentally friendly with low power requirements and does not utilize toxic chemicals.

## PUROBOT<sup>UV</sup> RECORDS ACTIONABLE DATA

4SITE cloud-based platform delivers disinfection event validation and tracks UV light performance. Reporting includes date, time, location, photographic evidence, disinfection duration, and cleaning performance.

## PUROBOT<sup>UV</sup> IS AUTONOMOUS

PUROBOT<sup>UV</sup> makes real time decisions based on your programming, disinfecting your space without having to manage its every move.

## PATENTED PULSED XENON LIGHT SYSTEM

The PUROBOT<sup>UV</sup> system, powered by Violet Defense technology, utilizes germicidal UV at all wavelengths from 200-400nm (UVA, UVB, UVC) designed to safely disinfect your environment with no layout changes necessary to fit bulky disinfecting equipment.

Powerful, full spectrum UV disinfection: PUROBOT<sup>UV</sup> has an 8 to 10 hour active cleaning runtime with integrated self-charging, built-in motion sensing for safe operation of UV lights, and auto-calculation of cleaning duration.

\*SARS-CoV-2, MRSA, *C. diff*, *E. coli*, Norovirus, *C. auris*