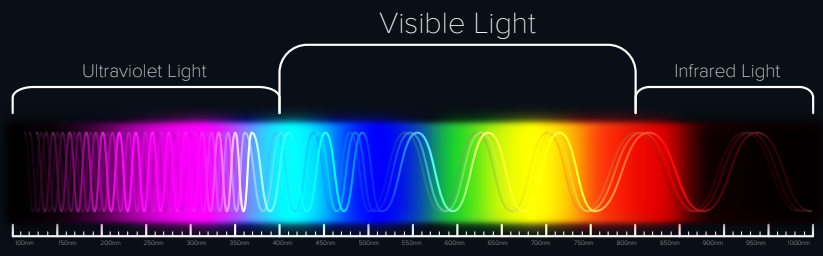
SOLARIS™

A New Era of Clean

How Pulsed Xenon Works

Our SpectraLyt broad-spectrum UV employs multiple methods of pathogen destruction.

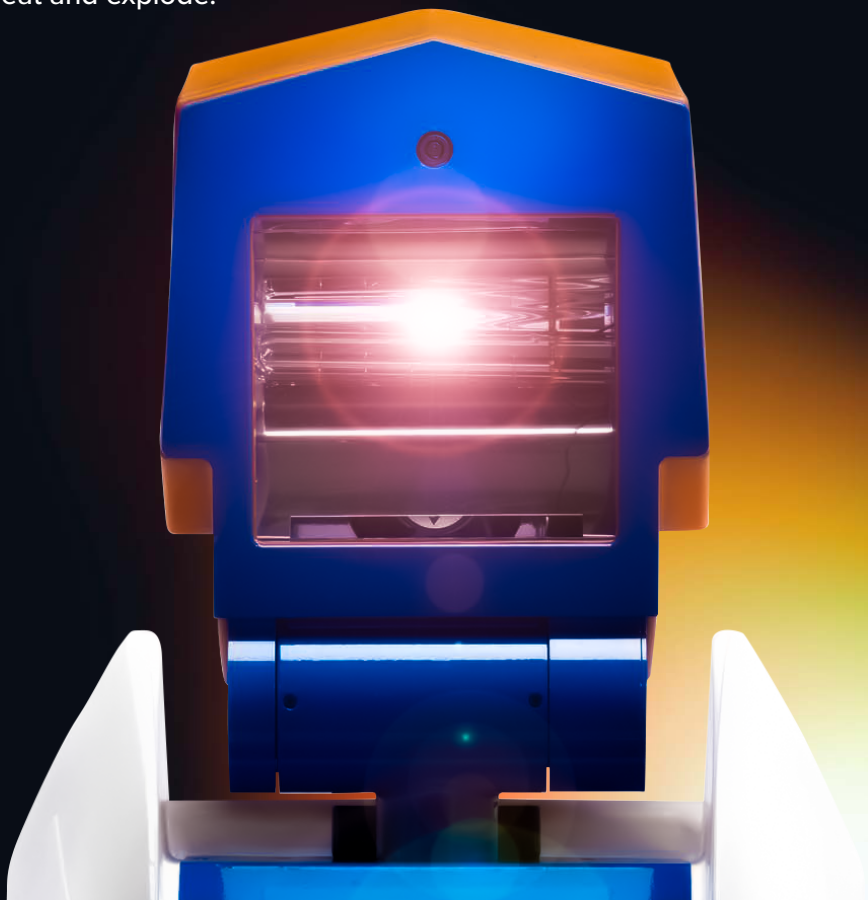


Bands of light from 100-1000nm blast pathogen cells with trillions of high-energy photons which cause the cells to overheat and explode.

Germicidal UVC light creates thymine dimers which render pathogens unable to perform their cellular functions.

Having use of the full UV spectrum is crucial for infection control because many common pathogens do not experience their peak spectral sensitivity at 254nm, such as MRSA which is most susceptible to wavelengths of 270nm.

Mercury UVC products generally only use 254nm, while Solaris technology utilizes a much wider spectrum.



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Lytbot's patented DPX (Directional Pulsed Xenon) technology amplifies this SpectraLyt pulsed xenon UV light, targeting high-touch surfaces while still achieving whole-room disinfection.

Key Features

- Pulsed Xenon bulb (no mercury)
- Fast cycle times (3-5 minutes)
- Robust design built to withstand daily operations
- IoT-enabled
- SolarX Operating System for detailed reporting capabilities

Validated and Reliable Efficacy

Pathogen	Distance	Cycle Time	Percent Reduction
MRSA	6 ft	3 min	99.99%
C. difficile	5 ft	5 min	99.5%
Coronavirus 229E (SARS-CoV-2 surrogate)	3 ft	5 min	99.95%

THE LIGHTHOUSE DIFFERENCE

30 days prior to Implementation

- Meeting with Infection Prevention, Risk, EVS/Cleaning, Medical Staff and C Suite staff
  - Determine UV-C target areas
  - Establish facility specific SOP's
  - Review baseline audit process
  - Deployment process/timeline
  - Facility data capture and room inventory

- Solaris Lytbot is shipped in a sealed wooden box, upon the receipt of the device the Solaris deployment team will do the following test:
  - Visual inspection to ensure the outer structure was not damaged during shipping
  - Visual inspection to ensure that the lamp or the protective glass was not damaged during shipping
  - Power on machine and go to the Technician Test screen on the device, using supplied tech login information, run all test modules to ensure that all motors, fans and sensors are functioning,
  - Run flash in test mode.
  - Check all remote and motion sensing modules.

Training

All employees utilizing the Solaris device will be trained on the use and operation of the Equipment and related disposables will be provided at a mutually agreeable time at the request of the Buyer. Training will be conducted at the Buyer's location, and the training, as well as any written materials distributed by Solaris, shall be provided to the buyer at no additional cost.

Week of implementation

- Finalize SOP's and target areas
- Lytbot setup & QA inspection
- Introduction and training of Lytbot system
- Implementation of data collection and reporting system

On-going support & performance monitoring

- Follow-up training (~90 days)
- Monitor and report Lytbot usage and performance
  - Quarterly check-in (WebEx)
- Annual Program Audit and report (see details above)
- Annual re-training

LIGHTHOUSE
Environmental Infection Prevention®

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