

Leading U.S. Hospital Finds Kenall Lighting Delivers Consistent Performance, Aesthetic & Infection Control



Project: White Plains Hospital – Center for Advanced Medicine & Surgery
Location: White Plains, NY
Specifier: Atelier Ten

“As with any medical facility, there is a very specific set of guidelines and requirements for all equipment, including lighting fixtures. Finding specifications that satisfied those requirements, while having the desired performance and energy efficient was challenging. Kenall products satisfied a large amount, if not all, of the requirements ... and had the additional (disinfection) benefit of the Indigo-Clean technology.”

— Nick DeSordi, LEED Green Associate, Lighting Designer, Atelier Ten

Project Summary: White Plains Hospital completed a 252,000 square-foot outpatient facility, despite the unprecedented challenge of the COVID-19 pandemic. Opening its doors in 2021, it includes state-of-the-art operating rooms, endoscopy, ambulatory and procedure suites, and hyperbaric chambers for wound treatment.

Challenge: Provide sealed, efficacious specialty lighting that, in select cases, also includes safe, continuous whole-room disinfection.

Solution: MedMaster™ M4SEDIC and M4DLIC utilizing Indigo-Clean®, M4SEDI and SimpleSeal™ CSEDO

Benefits:

- **Indigo-Clean** kills bacteria and viruses, including staph, such as MRSA, *C. diff*, SARS-CoV-2 and Influenza-A when the lights are on. Also clinically proven to reduce Surgical Site Infections by 73%.
- **MedMaster** lighting is specifically designed for the healthcare environment: housings are built to withstand harsh cleaning protocols and pressurized environments, and are sealed to prevent the spread of dangerous pathogens.
- **SimpleSeal CSEDO** is IP-66 rated and sealed on both the room and plenum sides; appropriate for ISO cleanrooms, as well as biosafety labs (including BSL 3-4), and is the first luminaire certified to NSF P442 cleanroom lighting standards.

MedMaster and SimpleSeal Meet the Challenge of CAMS' Varied Lighting Needs



The Center for Advanced Medicine and Surgery (CAMS), White Plains Hospital's highly-anticipated 252,000 square foot outpatient addition, opened in June of 2021, amid the worldwide COVID-19 pandemic. CAMS is intended to provide "world-class care" to residents of Westchester County, New York – a goal it is already well on its way to achieving: White Plains Hospital is ranked one of the top four hospitals in the state and one of the top facilities in the United States, receiving an "A" safety grade from Leapfrog in the spring of 2022.

Part of CAMS' commitment to safety is to safely mitigate hospital acquired infections (HAIs), a goal fully supported by the Indigo-Clean® continuous visible light disinfection integrated into its operating rooms, surgical suites and MRI rooms. Nick DeSordi, a LEED Green Associate and lighting designer at Atelier Ten Environmental Design Consultants, said that Kenall's Indigo-Clean lighting was recommended based on "success in previous project work". Indigo-Clean has been proven to reduce bacteria, including *C. diff*, and staph, such as MRSA*, as well as viruses including SARS-CoV-2² and Influenza-A.

"Due to the high number of space types within the facility, we were searching for products that accommodated the medical needs of those areas, while



providing a consistent aesthetic between some of the more hospitality-driven areas. We chose Kenall products because of their ability to accommodate the special needs of the medical spaces," DeSordi said. CAMS includes several medically-focused spaces, such as operating rooms, surgical suites, MRI rooms, and dedicated clean rooms, where Kenall products were specified. The consistency in performance and aesthetic that Kenall products provide were the driving factors of our specification."

DeSordi is also please with Kenall products and states that, "We would gladly specify Indigo-Clean products in the future."

DeSordi indicated that finding the right balance of features, appearance, performance and energy savings was a challenge that Kenall was uniquely positioned to meet: "Kenall products satisfied a large amount, if not all, of the requirements for medical facilities, and had the additional benefit of the Indigo-Clean technology." The added value of having safe, automatic, continuous environmental disinfection has proven to be a hit with the CAMS healthcare providers: "The staff had been involved in the design process from the start, so they were up to speed on the lighting technology that Kenall provides. Collectively, they have been very receptive to the fixtures and have given very positive reviews of the lighting."

Products installed:



MedMaster M4DLIC

MedMaster M4SEDCI



MedMaster M4SEDI



SimpleSeal CSEDO

¹White Plains Hospital - NY - Hospital Safety Grade

²Rathnasinghe, R., Jangra, S., Miorin, L. et al. The virucidal effects of 405 nm visible light on SARS-CoV-2 and influenza A virus. *Sci Rep* 11, 19470 (2021). <https://doi.org/10.1038/s41598-021-97797-0>

*Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et al, *ID Week* 2016

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