CASE STUDY

Creating Cleaner Air and Safer Spaces at Mount Sinai with Visium Far-UVC

Project Background:

Industry: Healthcare

Location: New York City

Solution: Visium - Diffused Optics

OVERVIEW

Mount Sinai is a world-renowned healthcare institution known for its leadership in medical research, patient care, and innovative treatments. To enhance infection prevention, Mount Sinai sought a cutting-edge solution to improve air quality and reduce the risk of airborne pathogen transmission.

About CoRE at Mount Sinai

The newly constructed Cohen Center for Recovery from Complex Chronic Illnesses (CoRE) at Mount Sinai is designed to provide specialized care for patients with long-term chronic illnesses, many of whom have compromised immune systems and are at heightened risk for infections.

The New York facility is dedicated to serving patients with complex, chronic conditions including long COVID, long Lyme Disease, Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS) and Ehlers-Danlos syndrome.

With its focus on cutting-edge diagnostics and research, the CoRE facility is widely seen as a model for future healthcase facilities around the world.

Visium Surface Mount with Diffused Optics

THE CHALLENGE

Given the significant challenges of providing specialized care for patients with long-term chronic illnesses, many of whom have compromised immune systems and are at heightened risk for infections, the facility required **a continuous, passive pathogen reduction solution** to complement existing safety protocols such as masking, rapid PCR testing, and HEPA filtration.

This solution also needed to operate efficiently without disrupting daily medical activities while aligning with sustainability initiatives.

visium

OUR SOLUTION

Visium Far-UVC Fixtures

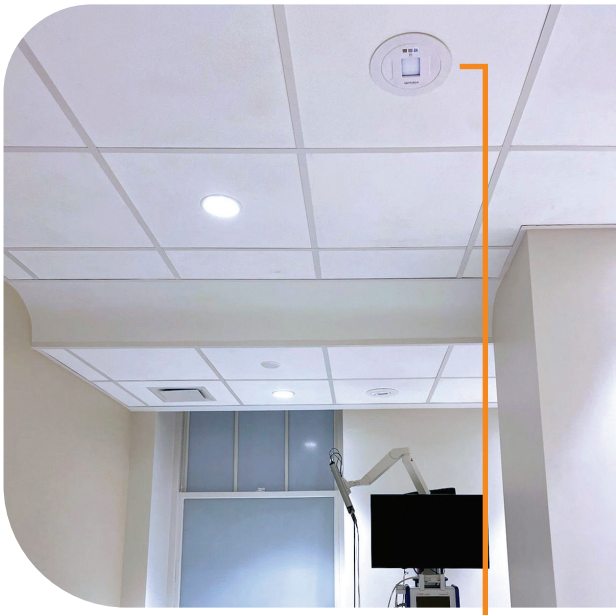
Mount Sinai installed Visium to enhance infection prevention throughout the 1,261 sqft CoRE facility. Ten recessed mount fixtures with diffused optics provide thorough coverage while remaining virtually invisible and silent. Visium's energy-efficient operation aligns with New York City's decarbonization goals under Local Law 97 and the Joint Commission's Sustainable Healthcare Certification program.

Visium Far-UVC technology has been seamlessly incorporated into Mount Sinai's multi-layered infection control strategy, enhancing overall safety and patient confidence in the facility's standards of care.

CERTIFIED 2998 Zero Ozone Emissions

CERTIFIED 8802 UV Germicidal Products

CARB CERTIFIED Meets California Ozone Emission Limits



Comparable in size to a traditional canned light, Visium fixtures are inconspicuous. Each unit produces < 1 lumen of visible light and operates without any noise - providing all the benefit without any distraction.

An Infection Prevention Infrastructure

Metrics

- Real-time reduction of airborne and surface pathogens
- Seamless integration with existing infection control protocols
- Continuous air and surface sanitization for high-risk patient populations
- Energy-efficient, sustainable solution aligned with decarbonization goals

Key Features

- 24/7 — Continuous 24/7 air and surface sanitization
- 222 — Far-UVC tech proven to reduce airborne pathogens
- Discreet and silent operation, for a patient-centered environment
- Energy-efficient, operating on only 14w per fixture

Key Takeaways

- ✓ Visium provides continuous, passive sanitization without disrupting medical operations
- ✓ Mount Sinai has reinforced its leadership in infection risk reduction with cutting-edge technology
- ✓ The CoRE facility is a model for future healthcare centers prioritizing patient safety

Ten Visium Recessed Mount with Diffused Optics fixtures provide round-the-clock air and surface sanitization throughout the facility.

Conclusion

Mount Sinai's installation of Visium fixtures at the CoRE facility underscores its commitment to providing a safer, healthier environment for patients dealing with complex chronic illnesses. By integrating Far-UVC technology, the institution has set a new standard for infection prevention in healthcare settings. **With its energy-efficient, real-time sanitization capabilities, Visium offers a future-forward solution that aligns with both public health priorities and environmental sustainability goals.** Mount Sinai's leadership in this initiative paves the way for broader adoption of advanced sanitization technologies across the healthcare sector.

Future Plans

Mount Sinai is exploring additional Visium installations across its healthcare network, with a focus on expanding coverage to high-risk patient areas, including its specialized treatment units. As the healthcare landscape evolves, Visium will continue to play a critical role in shaping safer, more resilient medical environments.

"Our work with the CoRE center emphasizes our commitment to advancing healthcare through innovation, collaboration and sustainable technology. By integrating Visium Far-UVC technology, Mount Sinai is not only leading the way in infection prevention but also setting a new standard for healthcare facilities nationwide."

John Rajchert
CEO of Lit Thinking

Contact & Next Steps | Ready to learn how Visium can transform your spaces? Find information about Visium and its applications at LitThinking.com.