

CASE STUDY

Creating Cleaner Air and Safer Spaces with Visium at Harmony Learning Center

Implementing Lit Thinking's Visium Far-UVC light fixtures reduces germicidal load in several testing areas in early childhood learning center.

OVERVIEW

The Harmony Kids Learning Center is a leading childcare facility in southern Minnesota dedicated to educating and caring for the children in the local area as well as Harmony Enterprises, a major area employer nearby.

HKLC sought an advanced solution to enhance sanitization in classrooms and high-touch areas, aligning with evidence-based industry best practices to further reduce the risk of pathogen exposure for students and faculty.

HKLC is a busy learning environment, with classrooms for infants, toddlers, Pre-K as well as after school programs for grade school kids with a cafeteria and gym alongside smaller study and learning spaces. These education spaces are open to the students and faculty for 12+ hours a day with minimal down time.





THE CHALLENGE

Traditional terminal cleaning methods leave gaps in sanitation between cleaning sessions, allowing germs to accumulate on high-touch surfaces like desks and changing tables, particularly in a busy learning environment when some occupants are sick.



OUR SOLUTION

Visium Far-UVC

Eleven Visium Far-UVC devices were installed in key areas, including classrooms for infants, toddlers and Pre-K with a focus on diaper changing tables and high activity area.

Both Visium Diffused and Clear models were deployed, allowing for a tailored approach to each space's needs. Despite high traffic and varying ceiling heights, the installation was seamless and supported by local electricians.

KEY FEATURES



Continuous air and surface sanitization all day and night while activated



Far-UVC is proven to reduce pathogens safely in occupied spaces



Third-Party Test Results

Sampling was done of high-touch surfaces before and after Visium installation to demonstrate the effect on bacterial bioburden in the presence of students and faculty. Several locations in infant and toddler rooms had surfaces swabbed with and without Visium active in the room.

Once Visium was turned on, samples were taken again, same day, with people actively in the spaces. Samples were then independently quantified. Results showed that Visium reduces bacteria abundance on high touch surfaces and kept them up lower than pre-Visium levels, even as the rooms remained in use.

“Thanks to Visium and their cutting-edge technology... we are proud to offer an environment that supports the well-being of our students and staff, allowing them to focus on what matters most – learning and development.”

*Umbelina Cremer
Owner & Executive Director
Harmony Kids Learning Center*



Outcome

Visium seamlessly integrated with HKLC’s facilities, providing continuous sanitization that was verified by biological sampling.

- ✓ Samples collected from infant and toddler classrooms, independently analyzed, revealed consistent bacterial reduction with Visium use
- ✓ Visium maintained superior cleanliness compared to pre-Visium conditions

Conclusion

HKLC sets a high bar for themselves in regard to cleanliness of their spaces and their dedication to seek greener, eco-friendly solutions to room hygiene. Visium installations allowed them to achieve their goals of improved air quality and surface sanitation without undue disruption to the students and faculty.

Even with students and faculty moving through the tested rooms, Visium was able to reduce the amount of colony forming units on high-touch surfaces and keep levels low with continued Visium use.

HKLC representatives see Visium installations as an additional safeguard for students against seasonal flu risks and as a new layer of protection provided by their cleaning regimen.

Contact & Next Steps

Ready to learn how Visium can transform your spaces?
Find information about Visium and its applications at [Visium.one](https://visium.one).