



## Indigo-Clean® Provides 24/7 Disinfection for “One of the Most Used Spaces in the Whole School District”



Project: Chelsea High School Weight Room  
Location: Chelsea, Michigan  
Specifier: Strategic Energy Solutions, Inc.

*I have been specifying light fixtures for over 25 years and Kenall is always my go-to manufacturer for my high-abuse and healthcare needs.*

— Richard Coburn, LC, Senior Electrical Designer, Strategic Energy Solutions, Inc.



**Project Summary:** In 2019, approval of a \$81 million bond for the school district prompted the construction of a new auxiliary gym and weight room at Chelsea High School. Engineer and lighting specifier Richard Coburn selected Indigo-Clean® visible light disinfection to help prevent the spread of harmful pathogens, including staph, such as MRSA, SARS-CoV-2 and Influenza-A, and better protect athletes using the new facility.

**Challenge:** Provide a safe, well-lit space that has the added benefit of continuous whole-room disinfection, but does not require any training, additional staff or consumables to operate.

**Solution:** Millenium™ Stretch MLHA5 with dual-mode Indigo-Clean visible light disinfection technology and IC150 lighting controls

### Benefits:

- Kills bacteria and viruses, including SARS-CoV-2, Influenza-A and staph, such as MRSA, when the lights are on
- Visible light disinfection activated with just the flip of a switch
- Completely safe for building occupants
- Cost effective to install and use

## Sparkling New Weight Room Incorporates Indigo-Clean Continuous Environmental Disinfection

In 2019, an \$81 million school bond issue was approved by Chelsea, Michigan school district voters, paving the way for several projects, including construction of an auxiliary gymnasium to relieve an overcrowded schedule at the current high school gym. Engineer Rich Coburn, LC, of Strategic Energy Solutions, Inc., knew it would be a busy place that would require extra care to keep students, staff and the community safe – a concern brought in to sharp focus by the ongoing *SARS-CoV-2*, pandemic.

Chelsea planned the facility to better support students engaged in weight training, as well as middle-school athletes and community-based programming. Included would be two basketball practice courts, a competition court and a 6,500 square-foot weight room. Coburn remembered reading about Indigo-Clean in an email sent by Lance Barnes, his representative at lighting agent Gasser Bush Associates, “He sent out an email with the brochure and followed up with an in-person presentation by Frank Gonzales [of Kenall]”.

Coburn continued, “There are always concerns about germs and bacteria when you create spaces such as weight rooms, so when this project came up it seemed like the perfect space to utilize this product. We specified Kenall’s continuous-row Millenium Stretch MLHA5 fixtures using Indigo-Clean Technology,” as well as their IC150 lighting controls. The luminaires appear white while the space is occupied, then switch automatically to indigo when it is not. The continuous whole-room disinfection technology kills many harmful pathogens, including *SARS-CoV-2*, Influenza-A, and staph, such as MRSA.

Calculating the appropriate 405nm dose (the wavelength of light that Indigo-Clean uses) for the space is a critical part of the disinfection technology’s success. Coburn said, “We sent our lighting layout to Kenall, who ran their Indigo-Clean calculations and returned their drawings (with part numbers) in a timely fashion.” Coburn is impressed enough with Indigo-Clean that he is planning to use it elsewhere, “We are already in the design phase of using this product at other school districts.”

Coburn knows that school administrators will benefit from the new lighting, “The school district can expect a low maintenance, energy saving, and aesthetically pleasing lighting system that will provide quality lighting for years to come.” Better yet, he added, “Students and staff can expect a clean and disinfected space that will give them peace of mind.”

Coburn also feels confident about the products and service he receives from Kenall. “I have been specifying light fixtures for over 25 years and Kenall is always my go-to manufacturer for my high-abuse and healthcare needs,” he concluded.



### Millenium MLHA5 Stretch with dual-mode Indigo-Clean technology

- Provides environmental disinfection and effective, efficient LED lighting
- Independently tested to kill 94% of *SARS-CoV-2*, and Influenza-A<sup>2</sup>
- Independently tested to kill harmful bacteria, including staph,<sup>3</sup> such as MRSA<sup>4</sup>
- Peace of Mind Guarantee® against breakage when installed per recommendation
- Some options available for 5-day ship

<sup>1</sup> New auxiliary gym and weight room to provide more space for Chelsea athletics, community - mlive.com

<sup>2</sup> Rathnasinghe, 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>

<sup>3</sup> Per independent lab report #SGS-09S17036476. Contact Kenall for a copy of this report.

<sup>4</sup> Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, *ID Week* 2016

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P: 800-4-Kenall

F: 262-891-9701

10200 55th Street Kenosha, Wisconsin 53144

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