



Indigo-Clean® Continuous Environmental Disinfection Helps Disinfect New Fire Station & Protect Staff



Project: Cypress Creek Fire Station #25
Location: Cypress Creek, Texas
Specifier: DBR Engineering, Joiner Architects

The CCFD Station #25 project is one of many non-medical projects that value Indigo-Clean disinfection lighting, proving the technology is safe and effective for many types of settings, including schools, universities, health clubs and offices.



The station kitchen features Stratalume™ undercabinet lighting utilizing Indigo-Clean Technology to reduce harmful pathogens in this busy common area.

Project Summary: Per the request of the Fire Marshall, single-mode Indigo-Clean disinfection lighting was installed in the newly-built fire station to enhance the safety and health of firefighters.

Challenge: Augment cleaning protocols and reduce harmful viruses and bacteria in an extremely busy facility that operates 24 hours per day, seven days a week.

Solution: Stratalume Connects™ MAUCLED task lighting and MedMaster™ MDL downlights, both using Indigo-Clean technology.

Benefits:

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

Indigo-Clean® Continuous Environmental Disinfection Helps Protect Firefighters in New Station

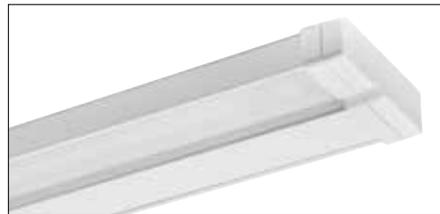
The COVID-19 pandemic has tested fire departments in every possible way: increased call volumes, short staffing, and a negative impact on station culture¹ are taking a toll nationwide. To enhance the health, safety, comfort and confidence of firefighters in their “home away from home”, Cypress Creek Fire Department (CCFD) officials sought out the newest tools and technologies when planning to add a fifth fire station in Harris County Emergency Services District 13. Those include Indigo-Clean technology to reduce harmful viruses and bacteria, including *SARS-CoV-2*, *Influenza-A* and staph, such as *MRSA* and a positive-pressure gear storage room that helps prevent the inhalation of engine exhaust.

Cypress Creek Station #25, a \$6.8 million dollar fire station that broke ground in December of 2020 in the Cypress Fairbanks, or Cy-Fair, community in Northwest Houston, features single-mode Indigo-Clean technology throughout the 16,245 square-foot station, including dorm rooms; restrooms and showers; the dayroom and kitchen. Using a combination of Stratalume Connects™ task lighting and MedMaster™ MDL downlights, both featuring Indigo-Clean technology, planners ensured the 405nm disinfection lights would provide comfortable, ambient light, while also disinfecting the air, and hard and soft surfaces. Unlike UV disinfection technology, Indigo-Clean is completely safe for building occupants.

Brent Moe, Senior Project Manager, Senior Associate at DBR Engineering, first found out about Indigo-Clean technology when he consulted with lighting agent Brad Congdon of CW Lighting & Associates in Houston, Texas. “The Fire Marshall wanted to explore opportunities on how to keep the fire station sanitized,” Moe said. “CW Lighting showed us Indigo-Clean and has kept us up to date

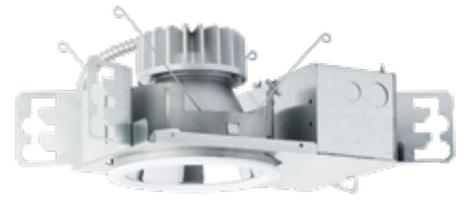
on the latest developments.” Indigo-Clean technology provided the perfect solution for augmenting routine cleanings in a building that is in use 24 hours per day, seven days a week. And, because the lighting is LED, the fixtures also provide typical LED lighting benefits, including ease of maintenance and significant energy savings. Moe also shared that, “So far the client is very pleased with the end result”. In fact, DBR Engineering is also pleased as well, and is now considering how Indigo-Clean can be used in other projects, including schools.

The CCFD Station #25 project is one of many non-medical projects that Indigo-Clean has enhanced, proving the technology has value for many types of settings, including schools, universities, health clubs and offices.



Stratalume Connects Task Lighting Features

- On-demand environmental disinfection via LED light
- Single, white disinfection mode
- Safely Kills *SARS-CoV-2* & *Influenza-A*¹
- Independent laboratory tested to kill harmful bacteria, including *Staph*², such as *MRSA*³
- Available in multiple lengths to fit any application
- External mounting feet allow for easy installation
- NSF2 Rating and standard anti-microbial finish on painted surfaces



MedMaster MDL Downlight Features

- 4" sealed, recessed downlight with round or square aperture
- On-demand environmental disinfection via LED light
- Single, white disinfection mode
- Safely Kills *SARS-CoV-2* & *Influenza-A*¹
- Independent laboratory tested to kill harmful bacteria, including *Staph*², such as *MRSA*³
- Delivered lumens: 1,592 - 1,946 lm



Downlights incorporating Indigo-Clean Technology are found throughout the station, including living quarters and bathrooms.

¹ 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>

² Per independent lab report #SGS-09SI7036476. Contact Kenall for a copy of this report.

³ Antimicrobial Activity of a Continuous Visible Light Disinfection System by Rutala, et. al, *ID Week* 2016

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