

Homestead High School's Aquatics Center Improves Safety & Costs with Litetronics LED Solutions

Located in Mequon, WI, Homestead High School's Aquatic Center not only serves its own 1,400 students, but hosts major swim competitions and a multitude of community events as well. Thanks to a recent lighting upgrade using LED High Bays and TLEDs from Litetronics, all those who use the school's aquatics facility can now count on unparalleled visibility, durability, safety, and sustainability for generations to come.

According to David Kautzman, head custodian and certified pool operator at Homestead High School, optimal lighting was key for both the pool facility and the whole school. "In addition to promoting a safe environment," he said, "a high-quality and efficient lighting system can drive astronomical savings of tens of thousands of dollars each year" while significantly minimizing lighting maintenance costs and concerns.

THE OPPORTUNITY

Homestead High School's pool is open from early morning until late at night seven days a week and hosts everything from swim sessions for the community to competitive swimming events including national and Olympic trials. "One of the challenges we faced was poor lighting across the entire pool," Kautzman shared. "The large CFLs we were using didn't put out enough nice, clean light, making it very dim and difficult to see what was going on in the pool area and also making it harder for us to clean."



Maintenance of the lighting was another problem. Because the facility was in near-constant use, cleaning and maintenance of the lighting system needed to be done off-hours and the main pool lights within the facility's previous vapor-tight enclosures were difficult to access, replace, and properly dispose of.

Project Summary	
End User	The Aquatics Center at Homestead High School in Mequon, WI, part of Wisconsin's Mequon-Thiensville School District
Project Description	Replacement of the previous system of fluorescent tubes and compact fluorescent lamps (CFLs) lighting the pool area with High Bay LEDs and TLEDs from Litetronics
Key Upgrade Results	<ul style="list-style-type: none"> • Homestead High School's pool upgrade improved footcandle levels around the pool deck from 9 to 70, a nearly ten-fold increase, enhancing safety and visibility • The LED upgrade significantly reduced the pool facility's energy costs by thousands of dollars annually • Lasting 5-7 times longer than the previous fluorescent and CFL technology, Litetronics' LED High Bays and TLEDs will significantly reduce maintenance costs and concerns
Other Upgrade Benefits	<ul style="list-style-type: none"> • Available in 125, 185, and 220 Watt models, LED High Bays support ceilings up to 40 feet high • Fixtures are lightweight, durable, long-lasting, and easy to install • The fixtures' outstanding color rendering index in the mid-80s supports the delivery of high-quality lighting that enhances visibility and safety • Fixtures are IP 65-rated, ensuring their reliable, waterproof operation in such demanding environments as warehouses, industrial facilities, gymnasiums, and pool settings

"They've been a wonderful product to work with and our new lighting is, in a word, spectacular."

David Kautzman

Head Custodian and Certified Pool Operator
 at Homestead High School

THE SOLUTION

In 2016, Kautzman and his team decided to upgrade the pool's lighting system with various LED lighting solutions from Litetronics. "We chose Litetronics High Bay LED fixtures because of their ease of installation, lightweight and waterproof design, and the fact that they give off a tremendous amount of light and last 5-7 times longer than the CFLs and fluorescents we were using," Kautzman said.

"Having durable and waterproof lighting fixtures is very important for our pool area because a lot of chemicals and humidity come off the pool, which can wear down a lot of fixtures very fast."



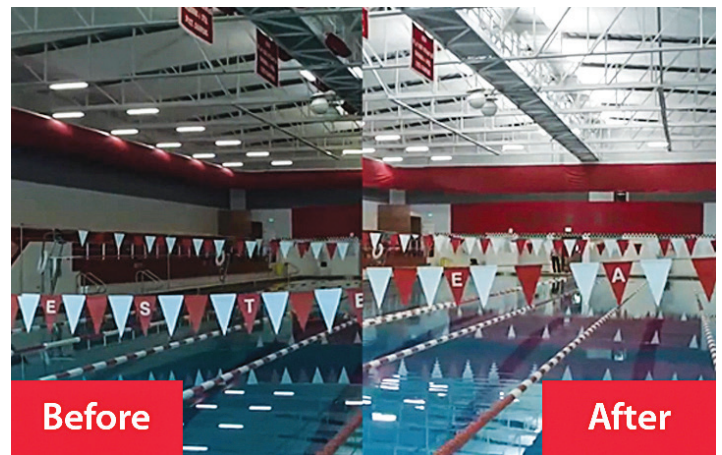
Kautzman said that the brightness of the new LEDs made an equally indelible mark on the pool area. Following their upgrade to the High Bay LEDs, "we went from just nine candlelight lumens on the pool deck to 70, a roughly seven-fold increase in the lighting in the installed area," he said.

Available in 125, 185, and 220 Watt models, Litetronics' family of High Bay LED fixtures are powerful, easy-to-install, high-output luminaires that can quickly upgrade the lighting in a wide variety of high-ceiling settings to energy-saving, high-performing LED technology. Lightweight, durable, and long-lasting, the fixtures' outstanding color rendering index (CRI) provides high-quality lighting that promotes enhanced visibility, while their IP 65 rating ensures their reliable, waterproof operation in such demanding environments as warehouses, industrial facilities, gymnasiums, and pool settings.

Kautzman's staff also replaced fluorescent tubes in a number of ancillary lighting fixtures near the facility's gallery and entryways with Litetronics TLEDs for enhanced lighting quality, efficiency, and life.

Since the upgrade at Homestead High School, pool users have been thrilled with the new lighting system and Kautzman couldn't be happier with his product decision. "Installation of our new Litetronics High Bay LEDs made a huge difference at our pool," Kautzman confirmed. "They've been a wonderful product to work with and our new lighting is, in a word, 'spectacular.'"

Homestead High School pool — Before and after.



Learn more at Litetronics.com

Talk to your distributor about our 60-Day Free Trial or contact us at customerservice@litetronics.com or [1-800-860-3392](tel:1-800-860-3392)

