

# MaxLite LED Panels Illuminate Chatham University Athletic & Fitness Center

**MaxLite**<sup>®</sup>  
A NEW WAVE OF LIGHT

## CASE STUDY



**“The savings on maintenance is going to be huge. We were over at the AFC replacing bulbs sporadically, and with the high ceilings in the lobby, we had to rent a two-person lift to do the job. It could take 30 to 45 minutes just to change a single light bulb. With the LED panels, we’ll be able to go five years or longer without having to change them!”**

**- David Clark, electrician, Chatham University**

Chatham University in Pittsburgh, Pennsylvania required new lighting for the lobby and hallways of the Athletic and Fitness Center (AFC), an advanced four-level sports facility that is home to the Cougars athletic programs. Built in 2004, the AFC faced a major lighting repair job as the existing recessed downlight fixtures were nearly 15 years old, and in need of new ballasts. The university sought a replacement product that would improve light output in these high-traffic locations and require less frequent maintenance. Working with local MaxLite independent representative agency Sales Marketing Group and electrical distributor The Hite Company, the university chose MaxLite FlatMax LED Edge Lit Panels to replace 75 recessed fixtures in the main entranceway and second floor landing and hallways.

A series of 30- and 35-watt 2'x2' panels in a 3500K warm white color temperature were installed in place of the existing 10-inch recessed cans that had been lamped with 42-watt twin- and tri-tube fluorescent PL lamps. University electricians performed the installation.

“The light quality was poor before the renovation,” noted Chatham University electrician Eric Jones. “So much light was being lost up in the can, especially in the lobby because of the height of the ceiling. By switching to the panels, we were able to improve the quality of light and gain better distribution.”

Designed to lay in standard T-bar and narrow grid drop ceilings, FlatMAX panels are both fully dimmable and compatible with building controls, motion sensors, timers, and daylight harvesting

systems. The panel’s edge-lit design produces light that is bright, uniform and shadowless, creating optimal working and learning environments in office, education, health care and hospitality applications. FlatMax panels consume significantly less energy than fluorescent fixtures and have a much longer life, with a lumen maintenance period of 50,000 hours (L70).

**By switching to LED lighting, Chatham University will save 73,230 kWh and \$5,858 in energy and maintenance costs annually. Utility rebate incentives offset the up-front costs of the installation, which will enable the university to reach payback in less than one year.**

### MaxLite

MaxLite has been committed to providing energy-efficient lighting products since 1993. One of the first movers into LED technology in the industry, MaxLite offers an extensive line of quality, certified indoor and outdoor LED lamps and luminaires. A five-time recipient of the ENERGY STAR Partner of the Year Award for its industry leadership, MaxLite continues to be at the forefront of energy-efficient technologies through the innovative research and development capabilities of its teams and facilities in New Jersey, California and Indiana.