

MaxLite Saves University of Utah Almost \$90,000 in Energy and Maintenance Costs



“We wanted to go LED because they last longer, but I didn’t think 18 flat panels in one classroom would be enough light. We were pleasantly surprised once they were installed, and everyone just loves them. The light is 75 percent better than before, and the products dim so well. We have some more classroom renovations coming up, and we will be using MaxLite products again. I want to make this lighting our standard across campus, wherever we can.”

— Craig Erickson
Construction Manager at the
University of Utah



Products are not in proportion

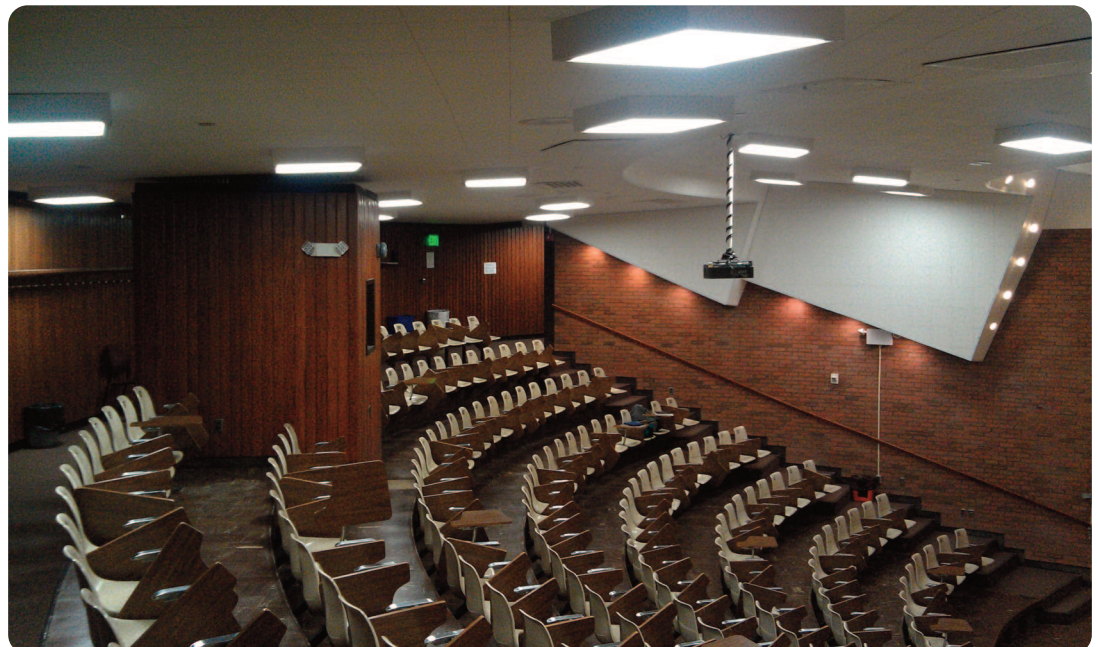
The Challenges

Located in the James Fletcher Building at the University of Utah in Salt Lake City, two rotunda classrooms that seat 200 students each were renovated in the summer of 2012. The University was looking to replace its 40 200-watt incandescent recessed cans from the 1970s with high-quality lighting to showcase the newly remodeled classrooms, but the construction manager needed new lighting fixtures in stock and ready to ship and install quickly, within a one-month period, before classes began on August 20, 2012. This process would normally take eight weeks or more to order, ship and install a project of this size.

Additionally, the university was looking to reduce its maintenance time and costs. The classrooms are 22 feet at the back of the room, sloping down to just 10 feet near from the front of the auditorium. Once a week or more, a custodian had to replace lamps and an electrician was called in to fix electrical sockets in the existing fixtures, both tasks of which are difficult and time consuming due to the high and sloped ceilings.

The Solution

Working with MaxLite representative agency DMA Total Lighting Concepts in Murray, Utah, the university replaced 40 200-watt incandescent can lights with low-voltage switch relays throughout the two classrooms with 36 50-watt 2’x2’ Direct Lit LED Flat Panel models with surface mount kits. Additionally, 46 11-watt PAR30 LED lamps with a spot beam angle were



installed in the existing recessed cans in front of the auditoriums and over the aisles. Both the fixtures and the lamps are dimmable using the newly installed Lutron dimmers.

The Benefits

While the incandescent cans produced poor quality light, the LED Flat Panels in a 4100K correlated color temperature (CCT) and 3000K PAR30s provide the university with quality general lighting throughout the classrooms. The lamps and fixtures also reduce maintenance time and costs throughout the L70-rated life of 50,000 hours. Saving more than 70 percent in energy and producing twice the light, the university was happy they made the switch to LED lighting. In

fact, by switching to LED lamps and fixtures, the university is expected to save 690,100 kWh in energy and \$87,572 in energy and maintenance costs throughout the L70-rated 50,000-hour life. Erickson also commented that, combined with the ability to dim and the clarity of the lights, students can now see more clearly and have an easier time taking notes on the overhead projectors.



MaxLite

MaxLite has been committed to providing energy efficient lighting products for the last 20 years, and was one of the first movers into LED technology in the industry. An ENERGY STAR® Partner of the Year, MaxLite established the MaxLED® brand, an extensive line of indoor and outdoor lighting fixtures featuring innovative LED luminaires and lamps using the latest state-of-the-art LED technology.

