

Case Study for:  
**Des Moines University**  
Des Moines, Iowa



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Education

## Case Study: Des Moines University

“ Revolution Lighting’s premium quality LED solutions will allow Des Moines University to maximize our energy efficiency goals and provide superior light quality for our students. We look forward to continuing our efforts, capitalizing on leading technologies to become a more sustainable and energy-efficient institution, while providing a healthy learning environment.”

- David Mc Nerney, director of facilities at DMU



**ENERGY SAVINGS**



**PAYBACK PERIOD**



**IMPROVED EFFICIENCY**

### LED LIGHTING TECHNOLOGY USED



T8 SEP LED Tubes

### PRODUCT BENEFITS

#### OPERATIONAL

- 3X greater lamp life than fluorescent, supported by industry-leading 10-year warranty
- 70,000 hour lamp life reduces long-term maintenance costs
- Instant on, no warm-up time

#### SAFETY

- No glass
- Negligible light depreciation over time
- Superior light output

#### SUSTAINABILITY

- Lack of UV or IR minimizes concerns with fading or discoloration
- Mercury-free, allowing for non-hazardous disposal
- 100% recyclable

### OPPORTUNITY

Des Moines University, an osteopathic medical and health sciences university in Des Moines, Iowa, began seeking ways to become more energy efficient, focusing on overall campus lighting in order to manage energy costs. Throughout the campus facilities, including classrooms, service and support buildings, and an on-campus teaching clinic, antiquated forms of lighting existed. With an enrollment of approximately 1,600 full- and part-time students, facilities management wanted to retrofit existing lighting for greater efficiency and decreased maintenance costs, while enhancing light quality to create more productive learning environments for its students and faculty.

### SOLUTION

In an effort to capitalize on leading technologies to become a more sustainable and energy-efficient institution, while providing a healthy learning environment, Des Moines University selected Revolution Lighting for a complete lighting retrofit of all six campus buildings, including its on-campus teaching clinic. The retrofit program will install Revolution Lighting’s T8 LED tubes to reduce the energy consumption across retrofit lighting by more than 60%. This is combined with a market-leading 10-year warranty and significantly improved lamp life of 70,000 hours, compared to 20,000 hours for their fluorescent counterpart, to deliver significantly reduced maintenance and utility costs for the university. Additionally, light output across retrofit lighting for DMU will improve by 66%, does not require a warm-up period, and is controllable through various types of sensors and lighting control systems. The project was secured by Larry Kirsner and L. Kirsner Enterprises, Inc., a Revolution Lighting Technologies authorized dealer.