

Case Study for:
Pasadena City College
Pasadena, California



Case Study:
Pasadena City College

Education

Case Study: Pasadena City College

“We start saving money on the first day the LEDs are installed, so the payback is instantaneous.”

- Dr. Richard van Pelt, CFO and Assistant Vice President



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

Since 1924, Pasadena City College has provided the greater Pasadena area with a high quality, innovative learning environment that inspires, supports and facilitates student learning and success. As a leader in environmental initiatives, they were eager to further the college's reputation as a leader in sustainability by reducing energy costs and minimizing their carbon footprint. Facilities management wanted to retrofit antiquated fluorescent tube lighting in classrooms, offices, stairwells, parking structures, gymnasium, and mechanical rooms. The goal was to achieve greater efficiency and decreased maintenance costs, while enhancing light quality to create more productive learning environments for its students and faculty.

SOLUTION

Pasadena City College selected Revolution Lighting for a complete lighting retrofit of 26 campus buildings, replacing more than 34,000 fluorescent tubes with high-efficiency, long-lasting T8 SEP LED tubes. Using the California Multiple Award Schedules (CMAS), the Pasadena City College's massive lighting retrofit project was designed to further the college's position as a global leader in sustainability, while allowing large levels of savings in the areas of energy cost, manufacturing resources, and disposal cost and impact. The LED retrofit reduced energy use by 60%, saving \$329K annually, while providing superior light quality and output through the use of our exclusive all-plastic LED single-end-power tubes.