

Claremont Unified School District

Claremont, CA



LED High Bays Replace T5HO Fixtures

"CUSD improves light levels and saves 50% in lighting costs by retrofitting their gyms with FSC LED high Bays."



The Situation:

Claremont Unified School District wanted to upgrade lighting systems in two gymnasiums to reduce energy consumption and utility costs, while increasing the facilities' lighting quality, and upgrade the functionality of the district's gymnasiums. The district wanted to install an upgraded lighting system with intuitive controls, without having to do costly structural and infrastructure updates.

The Situation:

The district worked with FSC Lighting and partners to retrofit 16 inefficient fluorescents with high efficiency LED lighting. The project also included the installation of manual-dimming fixtures at Claremont High and El Roble Intermediate schools, along with occupancy sensors to control usage in El Roble Intermediate School. The district secured funding from the California Clean Energy Jobs Act (Proposition 39), allowing the district to make the upgrades, without having to use capital funds. FSC helped the district make the operational changes needed to improve energy efficiency at its facility, while improving lighting levels and controlling future maintenance costs.

Other benefits included:

- Reduced energy consumption from more than 400 watts to 223 watts
- Students can now use the gymnasiums as multi-purpose rooms for all activities
- Lighting controls were blended into a manual and automatic fixture package, to provide improved lighting-level control
- Corner lighting sensors were installed to reduce usage when not occupied at two schools

LEHB Series LED High Bay Features:

- Sensors can be integrated for additional energy savings
- Wireguard, emergency battery back-up and step dimming optional
- UL Listed and DLC Premium Listed
- 50°C Ambient Temperature Rating
- Low maintenance & energy efficient

	EXISTING	REPLACEMENT
TECHNOLOGY	Fluorescent	LED
SYSTEM	8 Lamp T5 High Bays	LED High Bay
TOTAL SYSTEM ENERGY USAGE	474	223
CONTROLS	None	Occupancy Sensor
TOTAL ANNUAL kwh	13,272	6,244

"... was a great improvement over previous controls at our Claremont High School and El Roble gyms. In both cases, the ability to adjust the sensors for energy savings when there are no occupants was improved, as was our ability to dim and turn off lights partially. Feedback from the physical education staff at both sites has been very positive. Overall, the end product at both gyms is tremendous and we could not be happier."

Dr. Jim Elsasser
Claremont Unified School District
Superintendent