

Indoor Soccer Facility, San Ramon, CA

The Situation

An indoor soccer facility in San Ramon, CA was lighted with metal-halide, incandescent lights that, due to the high cost of power, were expensive to operate and required frequent and expensive maintenance. The management of the facility was very interested in the benefits of converting the incandescent light fixtures to LED fixtures from LED Light Technology. Converting their high bay incandescent fixtures to high bay LED light fixtures would produce immediate and significant savings. In addition, the LED fixtures would not change color, would increase light levels, and would operate much longer than metal-halide bulbs or ballasts.

The Solution

Because of their interest in saving money, improving the overall quality of their facility lighting, and realizing the benefits of the very long rated life of LED light technology, the managers of San Ramon Soccer considered a financial scenario that would produce a 72% reduction in lighting power consumption, eliminate all maintenance expenses, lower their carbon footprint, and increase light levels.

LED Light Technology proposed to convert the incandescent, high bay fixtures to high bay LED fixtures. The new LED fixtures do not contain a ballast and light levels were projected to increase significantly because all of the light from the LED fixtures would be directed towards the facility floor.

The proposed payback period was 23 months. All maintenance expenses and labor would be eliminated for over 37 years. The total capital expense to convert the indoor soccer facility was approximately \$13,000.

Installation of most of the LED fixtures was on a one-for-one basis and no new conduit or wiring was required to install the LED tubes. Even when two additional fixtures were installed, the payback period was only 23 months.

The Result

Over \$210,000 in total savings.

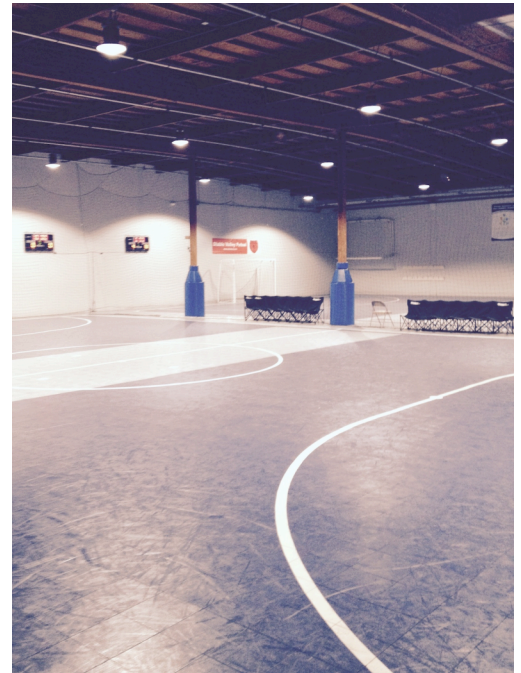
Electricity savings of over \$5,000 per year (20,694 kWh/Yr).

Over \$5,800 in annual savings.

Eliminated maintenance expenses and labor.

Increase in light levels.

Owner's return on investment of 1632%



Solution Overview

Company: San Ramon Soccer

Profile: Indoor soccer facility.

Challenge: Convert incandescent fixtures to energy efficient LED high bay fixtures from LED Light Technology.

Solution: LED fixtures reduced annual power consumption by 72% and paid for themselves in under 24 months.

Result: Over \$5,000 in annual power savings, an ROI of 1632%, no maintenance, and overall annual savings of over \$5,800.