

LIGHTING UP THE INDOOR COURTS: HERITAGE TENNIS GOES ALL-LED FOR THEIR STAFF + MEMBERS

SUCCESS STORY OVERVIEW

When aging metal halide ballasts at Heritage Tennis began failing, replacement parts were becoming increasingly difficult—and expensive—to source. Heritage turned to OEO Energy Solutions to modernize the lighting at both of its indoor tennis facilities with a more efficient, reliable LED solution.

OEO replaced the existing 507-watt first generation LED lamp and ballast systems with 420-watt indirect LED linear high bays designed specifically for indoor court applications. Rather than directing light straight down onto the playing surface, the fixtures aim upward, reflecting light off the ceiling to create bright, uniform illumination throughout the courts while minimizing glare for players.

Combined with upgraded lighting controls, the conversion gave Heritage Tennis a brighter, more comfortable playing environment while reducing energy consumption and eliminating the maintenance challenges associated with aging metal halide lamps and ballasts. The result is a modern, efficient lighting system designed to deliver consistent performance for years to come.



OEO INDIRECT LED
COURT LIGHTING +
BLUETOOTH
CONTROLS

THE CHALLENGE

- Legacy 1000W metal halide ballasts growing scarce and costly to replace
- Uneven lighting from depreciated first generation LED lamps (Type A, ballast compatible LED lamps)
- No lighting controls in place for further energy savings
- Needed a fixture built for indoor sports lighting, not a generic retrofit

THE SOLUTION

OEO Energy Solutions provided:

- Indirect linear LED high bays engineered for reflected, court-wide light distribution
- Higher efficiency 420W indirect LED fixtures swapped in for the previous 507W LED / ballast setup
- Full lighting control system installed with the new system for additional functionality and savings
- Two-site rollout: 83 fixtures installed at Location 1, 64 at Location 2



THE RESULTS

- 24% increase in brightness across the courts
- Approximately 18% drop in energy consumption from the fixture swap
- Reduced maintenance cost - no more costly ballast replacements
- Nework lighting controls in place, with more advanced features and additinal energy savings
- ~82% of total project cost covered by utility incentives

BEFORE



AFTER



BEFORE



AFTER

