



Vancouver, Canada

CASE STUDY

JERICHO TENNIS CLUB SQUASH COURTS

Jericho Tennis Club sought to upgrade the lighting in its squash courts to improve visibility, reduce energy costs, and minimize maintenance needs. The existing T8 fluorescent lighting was inefficient, consuming excessive energy while requiring frequent replacements. The club aimed to modernize its lighting to create a better playing experience while ensuring long-term cost savings.

CHALLENGE

- High energy consumption with outdated fluorescent lighting.
- Frequent maintenance and replacements leading to increased costs.
- Need for improved lighting quality for enhanced player experience.

SOLUTION

Radiance Energy proposed a high-efficiency LED lighting upgrade with LED 4' T8-2 18W lamps, replacing the existing 32W T8 fluorescent lamps. The solution featured:

- 53.49% reduction in energy consumption.
- Dimming controls for adjustable lighting levels.
- 10-year warranty ensuring long-term reliability.
- Ballast removal included to reduce maintenance requirements.

PROJECT SUMMARY

- Energy Savings: 53.49% reduction, significantly lowering operational costs.
- Cost Efficiency: Estimated \$26,447 savings over ten years with a 5.41-year payback period.
- Enhanced Lighting Quality: Brighter and more uniform illumination improving player experience.
- Sustainability: Reduced energy use and lower environmental impact.