



📞 1 (855) 753-2525

✉️ LEDsales@onenergyinc.com

Copper Creek Golf and Country Club



CHALLENGE: Enhance the lighting quality and safety throughout the club while reducing energy consumption and operating costs

SAVINGS: 72% reduction in energy consumption, savings of over \$29,000 per year

LIGHTING: Enhanced lighting throughout all interior and exterior areas of the course

Site description

Located in Kleinburg Ontario, Copper Creek Golf and Country Club is one of Canada's top public courses with spectacular amenities including world-class dining and an immaculate event venue offering breathtaking views.

Primary challenge

Copper Creek was interested in upgrading their interior and exterior lighting to LED to achieve a number of important goals. First, the Club was interested in reducing energy consumption and operating costs. As importantly, a key requirement for Copper Creek was to enhance the experience of guests in all areas including dining, retail and common areas. Copper Creek also required the new lighting to improve work area illumination for better productivity and safety for its employees.

Process

ONEnergy performed a detailed assessment of the existing lighting inventory within the Copper Creek facility, including existing lighting levels for each area of the property.

ONEnergy proposed a premium LED solution which would save Copper Creek over 70% versus baseline lighting energy consumption. Each area of the Club had specific lighting criteria that required specialized attention, including retail shops, the restaurant and dining areas, conference and banquet rooms, kitchens, and golf cart repair and warehousing.

Outcomes

Lighting

ONEnergy provided high-quality LED lighting products backed by a full five-year parts and labour warranty throughout the Club. The installation was done using colour temperatures between 2,700k and 5,000k, depending on the application, and all lighting generated improved lux readings. Significant lighting quality and illumination improvements in the kitchen areas provided brighter and safer working conditions. The retail shop lighting changes dramatically improved merchandise display attractiveness and appeal. Copper Creek was so pleased with the results from ONEnergy's retrofit of the interior lighting that they subsequently proceeded with a retrofit of the entire facility.

Energy

ONEnergy achieved energy consumption reductions of well over 70% and an annual operating cost savings of \$29,327. Annual lighting energy consumption of 285,427 kWh was reduced to 41,032 kWh. An overall 244,395 kWh energy savings was achieved, with a corresponding demand reduction of 55.8 kW. The energy demand reduction resulted in an Ontario Power Authority saveONenergy rebate incentive for Copper Creek of over \$21,000, with the entire rebate process managed by ONEnergy on behalf of Copper Creek. The complete installation resulted in a payback of less than 1 year!

Contact

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