



CASE STUDY

EBCO INDUSTRIES

CHALLENGE

Ebco Industries faced several challenges with its outdated lighting system, including excessive energy use, high maintenance costs, and inadequate lighting levels for industrial tasks. The company needed a modern lighting solution that would provide consistent illumination, reduce operational expenses, and align with sustainability goals.

PROJECT SUMMARY

The LED upgrade at Ebco Industries in July 2023 successfully improved energy efficiency, reduced operational costs, and created a safer, better-lit work environment. By transitioning to LED solutions, the facility achieved:

- Annual Energy Savings: 605,920 kWh
- Annual Cost Savings: \$63,573
- Estimated Payback Period: 3.1 years
- Total Cumulative Savings Over 10 Years: \$538,834

This project showcases Radiance Energy's commitment to providing sustainable and cost-effective lighting solutions.

SOLUTION

Radiance Energy conducted an in-depth energy audit and implemented a custom LED lighting upgrade designed to meet Ebco Industries' needs. Key aspects of the solution included:

- Energy-Efficient LED Fixtures: Replacement of outdated lighting with high-performance LED fixtures.
- Enhanced Lighting Quality: Improved visibility across warehouse and production areas.
- Significant Cost Savings: An estimated 74% reduction in energy costs.
- BC Hydro Incentive: Secured a \$141,007 rebate, covering 40% of the project cost.
- Long-Term Savings: Lower maintenance expenses due to high-durability LED technology.

