



Montreal, Canada

## CASE STUDY

# CITY OF MONTREAL HOCKEY ARENA

The City of Montreal aimed to upgrade the lighting at its hockey arena to improve visibility, reduce operational costs, and enhance energy efficiency. The existing lighting system was outdated, leading to high energy consumption, frequent maintenance, and suboptimal illumination for players and spectators.

## CHALLENGE

- High energy consumption with inefficient lighting.
  - Frequent maintenance requirements increasing operational costs.
- Inconsistent lighting levels affecting visibility and game experience.

## SOLUTION

Radiance Energy proposed a state-of-the-art LED lighting retrofit, replacing outdated fixtures with high-efficiency LED luminaires designed for sports environments. The solution included:

- Significant energy reduction while maintaining superior brightness.
- Improved uniformity and color accuracy for enhanced visibility.
- Long-lasting LED technology minimizing maintenance costs.
- Potential rebates and incentives for additional cost savings.

## PROJECT SUMMARY

- **Energy Savings:** Substantial reduction in power consumption, leading to lower utility costs.
- **Improved Visibility:** Enhanced lighting conditions ensuring a better playing and viewing experience.
- **Cost Efficiency:** Lower maintenance and operational expenses due to LED longevity.
- **Sustainability:** Reduced carbon footprint, aligning with the city's environmental goals.