

# Retail Store

Operating Cost Savings: \$52,700 over 5 years

Goal: minimize electricity costs while maintaining the beautiful look of halogen



Exterior



Interior

- Project**
- Retail showroom of a street level store
  - Conversion of halogen to LED

- Before**
- Energy usage: 52,800 kWh annually
  - Initial equipment: 240 PAR20, 26 PAR30, 24 MR16 bulbs in track heads

- After**
- Energy usage: 8,300 kWh annually
  - Upgraded equipment: 240 PAR20, 26 PAR30, 24 MR16 LED bulbs

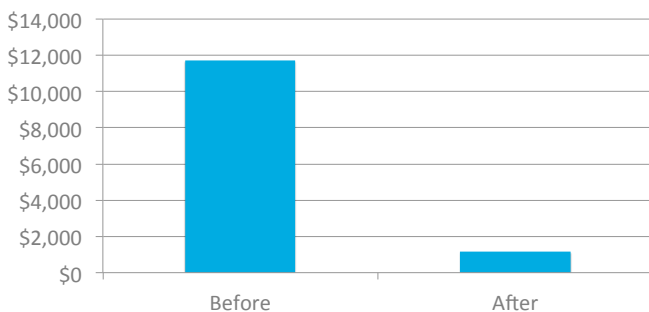
- Annual Electricity Savings**
- 44,500 kWh (84%)

- Simple Payback**
- 4.1 months

- 5-Year Projected Cash Savings**
- \$52,700

- Government Rebates Realized**
- \$3,500

## Annual Operating Expense Before and After



## Summary

- 84% operating cost savings for lighting (electricity and bulb changes)
- Replacement of all light bulbs with LED bulbs
- Lifespan of LED bulbs: 50,000 hours
- First year operating savings: \$10,550

## Head Office

400 March Road, Ottawa ON Canada K2K 3H4

CASE STUDY 5-1