



Burnaby, Canada

CASE STUDY

SIMON FRASER UNIVERSITY (SFU)

Simon Fraser University (SFU) sought to enhance outdoor lighting across its Burnaby campus to improve visibility, safety, and energy efficiency. The existing lighting infrastructure was outdated, resulting in high energy consumption, increased maintenance costs, and suboptimal illumination for parking lots and sports fields.

PROJECT SUMMARY

- **Energy & Cost Savings** – The LED upgrade significantly reduces power consumption, lowers operational costs, and minimizes maintenance needs.
- **Enhanced Safety & Visibility** – Brighter, more uniform lighting improves security and visibility across parking lots and outdoor areas.
- **Environmental Impact** – The project supports SFU's sustainability goals by reducing energy use and lowering the university's carbon footprint.

CHALLENGE

SFU's outdated lighting systems posed multiple issues, including excessive energy use, frequent maintenance requirements, and inadequate illumination in key outdoor spaces. The university required a durable and cost-effective solution to modernize its lighting while maintaining environmental sustainability.

SOLUTION

Radiance Energy proposed an advanced LED lighting upgrade featuring high-performance LED Flood Lights with Mounting Arms and Pole Tops. These lights provide superior brightness, longevity, and resilience against harsh weather conditions. The upgrade included:

- **Flood Lights (FL5-1004T5-3)**: High-efficiency area lighting with 0-10V dimming, 4000K-5000K CCT, and 125 LPW efficiency.
- **Pole Top Fixtures (PT3-S5GS-3)**: Designed to enhance visibility while reducing energy consumption.
- **Cost-effective solutions** ensuring long-term savings.