Lighting Design

Experienced. Dependable. Professional.

Prism Engineering has been implementing lighting solutions that meet the needs of our clients for over 30 years. We will help navigate all aspects of lighting design and support you throughout the entire process from idea to implementation.

We Offer:

- Innovative lighting design and control strategies
- Lighting and daylighting simulations
- Detailed lighting audits
- Unbiased product reviews and recommendations
- Full electrical design support services
- Project engineering management

Benefits

- **Save time and money:** We provide all the necessary documentation and support services required to obtain competitive tender pricing and see the project through from design to completion.
- **Get the most out of incentives & rebates:** We help ensure you receive the maximum incentives and rebates for your lighting upgrade projects.
- **Maximize your LEED® score:** In addition to helping you optimize energy performance, our lighting design and simulation services can help you achieve the following LEED credits:
  - Sustainable Sites - Light Pollution Reduction (1 point)
  - Indoor Environmental Quality - Interior Lighting: Lighting Control (1 point)
  - Indoor Environmental Quality - Interior Lighting: Lighting Quality (1 point)

Did you know?

Solid-state light emitting diode (LED) technology can:

- Generate over 16 million different colours and hues
- Replicate the dawn to dusk movement of the sun
- Dim from 100% down to 0.1%
- Operate for over 100,000 hours (23 years at 12 hours per day)
- Lower annual energy and maintenance costs

Let our skilled team of engineers and designers show you how. They have reviewed, tested, and evaluated thousands of different LED products to be able to recommend the right lamp or luminaire for your application.

We can also advise on the right control devices to unlock all the benefits LED technology has to offer.

Our forward thinking ensures your new lighting systems will meet your needs now and into the future.

Prism ENGINEERING

saving you energy™

Case Studies

Prism Engineering is a long standing BC Hydro Alliance of Energy Professionals member and our design team includes LC certified lighting professionals.
We present our clients with innovative, practical, and cost effective solutions that are engineered to meet the project requirements.

BC Hydro Power smart | Alliance Member

Vancouver Convention Centre (VCC), Vancouver BC
BC Hydro Power Smart Lighting Redesign Award

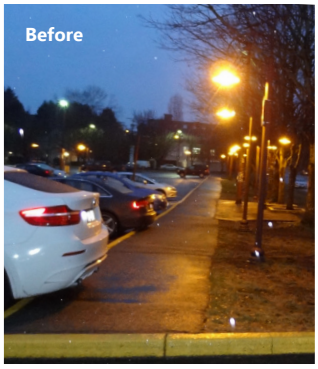
The new LED lighting and integrated controls at Vancouver Convention Center have decreased lighting demand by over 40% and are projected to save 841,000 kWh annually. This project was awarded a 2019 BC Hydro Power Smart Lighting Redesign Award from the Illuminating Engineering Society of BC.

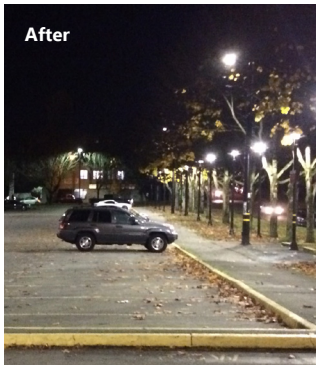
Richmond Oval, Richmond BC
Illuminating Engineering Society Vision Award

Prism was awarded the Illuminating Engineering Society Vision Award for work on the Richmond Olympic Oval lighting upgrade. Overall annual savings was estimated to be approximately 930,000 kWh consumption reduction, with lighting demand being reduced by over 150 kW.

Coquitlam Centre, Coquitlam BC
LED lighting upgrade

The LED lighting upgrade throughout the Mall's main concourses and food court increased illumination levels by more than 4x in deficient areas while achieving a 60% reduction in energy consumption compared to the previous lighting systems.





Vancouver Community College
- Broadway Campus, Vancouver BC
Parking lot lighting upgrade

VCC achieved a 75% reduction in energy consumption while increasing safety and secutiry by upgrading to LED luminaires with integrated occupancy sensors and bi-level dimming control. The project is one of many upgrades that Prism has implemented as part of VCC's Strategic Energy Management Plan that generates over 3,000,000 kWh of electrical savings annually.

Prism ENGINEERING

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From design to implementation, we provide energy management, electrical and mechanical engineering, utility monitoring and sustainability consulting to help our clients create a greener, more energy efficient world.