About West Vancouver

The West Vancouver Ice Arena is a 22,100 square feet facility that operates year-round, hosting a variety of activities, including large events such as fundraisers, exhibitions and trade shows during the Spring/Summer, and hockey/skating parties, games and competitions during Fall/Winter.

Customer Needs

The existing installation included a total of 40 400W Metal Halide lamps. The West Vancouver Ice Arena was poorly lit with a foot candle reading below 25fc. The traditional light source had diminished to below acceptable standards. In addition, their energy consumption per year was 98,790 kwh. The City of West Vancouver was looking to replace their existing fixtures for an affordable LED solution that emphasized hydro savings and lighting quality.

Solutions & Deliverables

Through an energy audit performed by CNJ Lighting Solutions and consideration of several LED lighting manufacturers, the City of West Vancouver selected Flex Lighting Solutions to retrofit its 22,100 sq. ft. ice arena. They replaced a total of 40 400W Metal Halide lamps one-for-one with 40 Essentials Value Series (6-Module Short).

Exceeding Customer Expectations

With the change over to the Flex Lighting Solutions, the West Vancouver Ice Arena light levels increased from 25 footcandles to 50 footcandles. In addition, the new LED lighting upgrade is expected to significantly reduce their energy consumption to 33,486 kwh per year – a 66% increase in energy savings.

West Vancouver & Flex

"The Essentials Value Series by Flex Lighting Solutions is an incredible improvement over our old lighting system. The electrical savings have already been seen and we expect to see even further savings during the off season when we have the capability to turn the lights on and off at our leisure."

- David McKee, West Vancouver Energy Manager

We Are Flex

We are 200,000 dedicated innovators, working across 30 countries to create a smarter, more connected world. Leading the way in the development of innovative technologies, sketch to scale thinking, state-of-the-art manufacturing, and global citizenship sets Flex apart—a leader in a market of one.