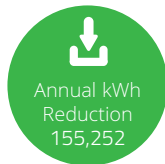


Lighting the way to savings!

Church on the Queensway wanted to save energy and operating costs while making lighting maintenance safer and easier in their hospitality space, office, gymnasium, and state-of-the-art auditorium with 3,000 seats. Lumen Solutions took the time to develop a thoughtful plan to achieve these goals while addressing several challenges facing the Church on the Queensway. For years, church members struggled replacing light bulbs in difficult to reach fixtures. The existing fluorescent tubes contained dangerous levels of mercury which are always a health and safety hazard. Lastly, the Church on Queenway wanted a new lighting design that was still compatible with its existing high-end control and dimming rack which was designed for their old halogen lighting.

Lumen Solutions researched, tested and worked with numerous suppliers to develop the right lighting strategy to ensure the best possible outcomes for the Church on the Queensway. Easy-to-access and energy efficient lighting was not only installed at Church on the Queensway, but the number of fixtures increased to improve overall lighting quality. Our team replaced 70 x 500W Halogen lamps with 45W LED pot lights increasing illumination at Church on the Queensway by 300%! Over 400 lights were installed in the auditorium alone in just one week. Lumen Solutions spent time working directly with the dimmer rack manufacturer experimenting with numerous options until a number of special LED dimming modules were found. These LED modules were compatible with the existing halogen lighting dimming rack Church on the Queensway wanted to keep and utilize. Our team mapped and consolidated auditorium lighting circuits for easier and more efficient control. We also removed and safely recycled over 2,000 mercury containing lamps. Lumen Solutions was able to successfully complete all lighting installations while avoiding disrupting Church on the Queensway active facilities and services.

In the end, Lumen Solutions improved the lighting, reduced energy use and made the space safer, resulting in Church on the Queensway seeing an annual savings of \$41,537 with a payback period of 2.1 years.



Church on the Queensway is a Toronto bible-based church whose services offer dynamic and intimate experiences through music and artistic expressions with relevant teachings. All programs/ministries are designed to assist members in their individual spiritual journey.

