

QUATTRO

MCARTHUR

GLEN

PROJECT 2015



CHALLENGE

The challenge was to compose with the high level lighting requirements and the architecture integration of the European Style urban furniture elements. Transport Canada lighting codes requires a 50 lux maintained average and a 4:1 uniformity ratio for all pathways and plazas surrounding the airport.



It was imperative in designing the lighting project to create a perfect equilibrium between performance, comfort, efficiency and architectural integration. Considerations were taken to minimize lamppost quantity and to find judicious placement and to eliminate the glare effect of the LED engine in the lanterns. It was imperative to Quattro to present a product that would add value to the surroundings and bring a

positive feeling creating a vibrant shopping environment.

SOLUTION

Working with the proposed streetscape and the adjoining building's façade, several iterations of photometric study were performed using single wall mounts units, twin head and triple head lampposts.



At this critical stage the objective is to make accurate photometric predictions: by computing the illuminance with the project specifics, Quattro's designer optimizes the luminaire LED engine selection and power, its placement and aiming, and validates adherence to all lighting criterions.

Nothing was neglected to enhance the understanding of photometric performance. Visualization is extremely important to comprehend changes in luminance for different materials and surface properties and predict the effect of various lighting designs in real-world, light and surface interaction.



A total of 133 wall mount units, 7 single head lampposts, 5 doubles and 21 triples were used to complete the lighting design and adequately fulfill all lighting criteria.

The PROVINCIAL series innovates on all fronts in the way of providing contemporary urban lighting. To create a more modern, distinctive style, everything has been redesigned in this lantern: refine fitter, elegant shapes, clean lines and minimalist design; to give the pathways and plazas the most sought after refined look. The maintenance of these lights is easy and tool free. In addition, they are IP66 certified, "Dark Sky" friendly and are energy efficient, since powered by LEDs.

Quattro AF4A-9-SB120-BKST-QSP4849E pole is a decorative type aluminum fluted pole and structural decorative base. Timeless product that can accept lights from modern to contemporary style. The QM101 arm is available in Wall mount, post-top single, double and triple head assembly; embellished with a discrete decorative scroll element. Finesse, lightness and elegance make this set a unique product that will cross the years without a wrinkle.

QUATTRO REALISES REMARKABLE PROJECTS

Quattro is a Quebec based company located in Longueuil. It specialises in manufacturing decorative and functional light structures for municipal lighting. Whether you are an architect, an urbanist, an engineer or a building contractor, Quattro will know how to help you throughout your project. You will benefit from the aesthetics, the assembling simplicity and the performance of our high quality energy efficient lighting solutions, as well as from the courteous service and the efficient partnership of a professional team.

For Quattro, developing and managing lighting projects implies and involves knowledge of the environment and of the people, technology, materials, manufacturing and architecture. All in order to ensure a safe, comfortable and attractive urban atmosphere. We will turn your idea into a remarkable project.

QUATTRO

Remarkably brilliant

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