

Place Rosemere - A Perfect retrofit!

Place Rosemere is a supra regional shopping center in the north shore of Montreal. It has 200 boutiques. In 2010, Place Rosemere needed to change the neon lighting system in its five main entry signs.

The signs had been up for five years with a 60mA white neon system and it was dimmed. The illumination was not uniform anymore, it was costly to maintain and the energy consumption was a major expense. Place Rosemere wanted to retrofit the neon lighting system, using the same signs, and was looking for a solution that would reduced greatly its maintenance cost, that would be reliable, green, and guarantee high brightness and uniform illumination over the years.

Place Rosemere collaborated with Alco Neon to do the retrofit of its entry signs. Alco Neon, The mandate was clear and with the help of HEICO lighting™, Alco Neon proposed more than one solution to meet their requirements.

First Solution

The first solution proposed included HEICO lighting™ Octopus system which is a unique neon lighting system. This system differs from the other neon system on the market because it uses a MPS (master power supply) combined with HVM (high voltage modules) that are installed within the channel letters. The high voltage modules placed installed the letters bring a very safe quality to the system by moving the high voltage from inside the building to the sign. This neon system is very efficient. It would have offered almost **60% in energy savings**, compared to the previous system, by consuming only 948 watts on a sign lit 12 hours a day, 365 days a year, compared to a previous 2,349 watts. However, Place Rosemere was looking for another technology and was not inclined to retrofit the sign in neon.

Second Solution

The second solution proposed included HEICO lighting™ Virgolite™ Contactless LED modules. This system also differs from other LED system on the market. It is the only Contactless LED system in the world. The unique technology would bring many advantages to Place Rosemere. It was **easier to install, had better energy savings, no dark zone over time** but a uniform and slow degradation because the system is a loop of modules connected in serial with equal pitch between each LEDs, a **5-year warranty, corrosion-proof LED modules, a power supply that has immunity to overload**, etc.

By using the LMPS-750 power supply, which is **electrolytic capacitor free**, they would gain a long-lasting LED system that would require almost no maintenance for many years. With this system, cost would be reduced and reliability would be increased.

Before:



After:



Nk
Nko

Because the energy is transferred by electromagnetic induction, the efficiency of the overall system is over 92%. By using HEICO lighting™ LED modules, they cut their energy consumption by nearly 90% with only 237 watts.

A total of 675 Virgolite™ Mega-Brite™ long white modules, 225 Virgolite™ Mega-Brite™ short white modules and 17 LMPS-750 were installed in the five sign entries over the course of the week.

About HEICO lighting™ Virgolite™ LED System

Since its inception in 1985, HEICO Lighting™ is at the forefront of technological innovation. Determined to create safe, efficient, user-friendly products and to lead the LED revolution. The Virgolite™ LED System for sign is competitive, bright, easy-to-install, reliable and cost efficient. Designed and manufactured in Canada, every module is potted to meet IP67 and fully tested prior to shipment. The Virgolite™ System is based on the patented Contactless LED technology giving it several unique advantages.

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