

Case Study for:
MGM Grand Detroit Self Park
Detroit, Michigan



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Parking

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“As an engineer responsible for sustainability, upgrading our facility to LED was just the right thing to do. We are very happy with the project outcome and are already experiencing savings.”

- Jeff Jackson, Director of Engineering for MGM Grand Detroit



ENERGY SAVINGS



PAYBACK PERIOD



IMPROVED EFFICIENCY

LED LIGHTING TECHNOLOGY USED



parkVUE Low Bay
SentinelC Control System

PRODUCT BENEFITS

OPERATIONAL

- 3X greater lamp life than fluorescent, supported by industry-leading 10-year warranty
- 100,000 hour rated life reduces long-term maintenance costs
- Available multi-level occupancy sensor

SAFETY

- No glass
- Negligible light depreciation over time
- Superior glare reduction and uniformity of light
- High visibility and added security

SUSTAINABILITY

- Lack of UV or IR minimizes concerns with fading or discoloration
- Mercury-free, allowing for non-hazardous disposal
- 100% recyclable

OPPORTUNITY

Management at MGM Grand Detroit was eager to reduce the annual electrical bill at the self parking garage facility. In an effort to do this, several types of fixtures were considered, including induction and LED. After side-by-side testing of 12 different types of lights from various manufacturers, Revolution Lighting's parkVUE fixtures were chosen.

SOLUTION

The company's low-glare parkVUE fixtures coupled with the wireless control capability made Revolution Lighting the obvious choice among the other competitive product offerings. In addition, the "Made in Michigan" rebate through DTE and the fact that they are manufactured locally at a quality controlled manufacturing facility helped complete the selection process.

Members from the corporate office viewed the side-by-side comparison, choosing the parkVUE for its superior uniformity and ease of installation and maintenance, culminating in a successful six week installation by Motor City Electric and Caniff Electric.

The project took advantage of \$422,000 tax credit from the State of Michigan and a \$152,000 rebate from DTE, reducing project payback to under 4 years. The project has been so successful that the installation was nominated by MGM Corporate for their 2013 Green Advantage Award.