



Owner
American Airlines Center

Contract Type
Lighting

General Contractor
Facility Solutions Group

Number of Fixtures Replaced
782

AMERICAN AIRLINES CENTER

Dallas, Texas

The American Airlines Center in Dallas Texas, desired to replace aging and substandard lighting in their parking garages.

CHALLENGE

The American Airlines Center in Dallas, Texas, desired to replace aging and substandard lighting in their parking garages. Outfitted with 150W high-pressure sodium and 175W metal halide fixtures, the garages had experienced a significant degradation in lighting performance and reliability. Leroy Juel, master electrician for the AAC, described the current lighting system as "a maintenance nightmare," and sought new technology that would not only ease the maintenance workload but also provide a better aesthetic.

SOLUTION

Facility Solutions Group provided the answer with Cree IG-series LED Parking Structure luminaires. A trial installation of four luminaires was conducted first, and AAC management was immediately convinced. The new LED fixtures provide much more uniform light of significantly higher quality, and the particular fixtures used also are designed to avoid a common "cave effect" that can occur with more traditional lighting systems. Juel praised the new look of the garages, saying, "Management loves the fact that visitors' first impression is a very positive one." In total, 782 fixtures were installed in approximately four weeks. Thanks to utility rebates along with the low operating costs inherent to LED technology the AAC was able to calculate a payback time of just over two years for the entire project.

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