

FOUR SEASONS *Hotels and Resorts*

Owner

Four Seasons Hotels and Resorts

Location

Austin, Texas

Contract Type

Lighting Retrofit

Contract Amount

\$90,000

Electrical Contractor

FSG

Energy and Maintenance Savings

\$32,542

Number of Fixtures Replaced

175

Annual kWh Reduction

195,414

The new LED Fixtures in the parking garage also included motion sensing dimming technology. When no motion is detected, the fixtures will dim to about 50% of their brightness, thus saving even more energy and offering an extended fixture life.

Four Seasons Austin

Austin Texas

The Four Seasons Hotel in Austin needed to reduce their energy consumption in their parking garage, while maintaining the first class look and feel of this world class property.

CHALLENGE

For the Four Seasons, balancing design with function is paramount when implementing any facility upgrade or renovation project. Lighting is no exception to this rule. Finding the right fixtures and lamps that would allow the Four Seasons to capture the energy saving benefits of LED without sacrificing the original lighting designer's lighting design was a big challenge, but not an impossible one.

SOLUTION

For more than 35 years, FSG has been designing, sourcing, and installing lighting solutions that meet or, in most cases, exceed the original lighting design scheme. For this project, the focus was the parking garage. The original lighting design called for metal halide 320W pulse start fixtures. The lamps were expensive and the light output wasn't very good. FSG brought in and installed 66 watt Cree LED fixtures. The Cree fixtures not only provided better light with lower energy consumption, but also have a 10 year warranty-- one less thing for the customer to worry about!

Facility Solutions Group
8203 A North Lamar
Austin, Texas 78753



What is the environmental impact?

What effect does 195,414 kWh savings have on the environment?

It's equivalent to...

Greenhouse gas emissions:



50.7 tons

of waste recycled instead of landfilled every year

CO₂ emissions:



15.7 homes

energy use for one year

Carbon sequestered:



171 acres

of U.S. forests preserved from conversion to cropland every year



All figures taken from the EPA's Greenhouse Gas Equivalencies Calculator 10/17

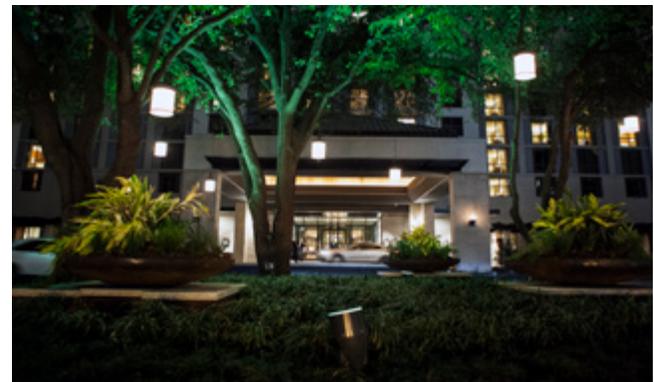
ADDITIONAL BENEFITS

In the end, FSG was able to complete the project and deliver the results the customer was looking for. Results of this project included:

- Better quality lighting
- Reduced energy consumption
- Reduced maintenance costs
- Improved night-time garage security for guests and residents
- Better color rendering

OTHER PROJECTS

In addition to the LED retrofit project in the parking garage, FSG has performed other work on this property including landscape lighting retrofits and exterior signage redesign and installation.



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