



## IDA LEE RECREATION CENTER

Leesburg, Virginia

When the City of Leesburg wanted to upgrade the existing metal halide lighting in that Ida Lee Park Tennis facility, they trusted FSG to help them find the best solution.

### Owner

City of Leesburg

### Contract Type

Lighting

### Contract Amount

\$67,000.00

### Electrical Contractor

FSG

### Annual kWh Reduction

60% Reduction

### Additional Benefits

Reduced weight and load on the dome roof structure by 5 lbs per fixture. This was really significant considering the number of fixtures and the dome's lightweight construction.

### Light Increase

40% foot candle increase at the floor.

## CHALLENGE

The City of Leesburg wanted to take advantage of the cost saving benefits of LED lighting at the Ida Lee Recreation Center's covered tennis courts. The older lighting was inefficient and inconsistent, with varying degrees of color and lumen output based on the age of the lamps in the individual fixtures. Additionally, the lightweight domed roof structure could only support a certain amount of weight, therefore any new fixtures couldn't weigh anymore than the original fixtures.

## SOLUTION

FSG relied on its experience and deep manufacturer relationships to seek out and provide a solution for Leesburg. With a solution identified that would meet the lighting requirements of the space as well as the installation parameters, FSG put together a turn key project that would allow the space to be retrofitted and upgraded with minimal disruption to the daily operation and usage of the tennis courts.

## RESULT

In the end, the city saw a 60% reduction in energy consumption in the upgraded space and a 40% increase in the lighting levels at the floor under the new fixtures. Additionally, the new fixtures weighed 5 lbs less than the old ones, thus lowering the strain and load of the lighting fixtures on the domed roof structure.

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