

Los Angeles Convention Center

PROJECT OVERVIEW

- ▶ 556,000 ft² retrofit
- ▶ 55% less energy
- ▶ \$179K annual savings
- ▶ 2 year pay back

"We at the Los Angeles Convention Center are very pleased with our purchase of Stingray lights. I would highly recommend the use of Stingray lighting fixtures to anyone in pursuit of a quality, highly efficient light source."

Tom Fields
 Building Superintendent
 Show Operations
 LA Convention Center
 Los Angeles, CA

CARBON REDUCTION EQUIVALENTS



⇒ 1,050



⇒ 70

Background

Following success stories at the Jacob K. Javits Convention Center in New York and the Broward County Convention Center in Florida, Stingray added the Los Angeles Convention Center in California to its list of successful lighting retrofit projects.

After learning about the opportunity to substantially reduce energy use while maintaining the same light levels, Thomas Fields decided to install four Stingray test fixtures in the West Exhibit Hall of the LA Convention Center. Fields, the convention center's Building Superintendent, wanted to measure the fixture performance and energy savings for himself, as well as gauge client reactions.

Solution

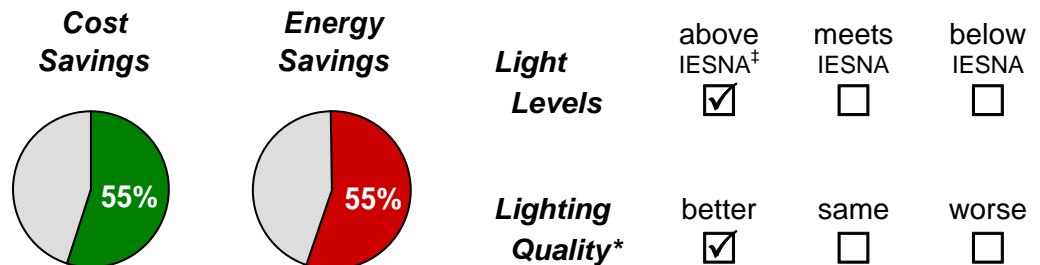
Through thorough testing, Fields proved to himself that the lights performed as promised. This led to the purchase of 288 of Stingray's 400-watt high-bays to replace the existing 1,000-watt probe-start fixtures lighting the 210,000 square foot West Exhibit Hall.

"Since our West Hall project was so successful," Fields says, "we conducted another test in our 346,000 square foot South Exhibit Hall, and then purchased 752 400-watt Stingray highbays to replace the 1,504 pre-existing 400-watt metal halide fixtures that were originally installed in 1993."



Results

The 60% energy reduction in the West Hall resulted in \$67,000 in annual savings. In the South Hall, a 50% reduction in electrical usage produced annual energy savings of \$112,000. The total result for the two retrofit projects was \$179,000 in annual energy savings plus the substantial maintenance benefits resulting from the 50% fixture reduction in the South Hall.



"Light levels improved and the good light quality has made the convention centers' vendors very happy which is what we needed," Fields noted.

[‡]application specific maintained illuminance recommended by the Illumination Engineering Society of North America

*as judged by the facility's staff and workers

