



	Fixture	Foot Candles	Energy Savings 60%
Previous System	1500W Metal Halide	201/232	
Ephesus Solution	Stadium Pro	217/265	

VENUE

Globe Life Park at Arlington is home to the Texas Rangers Major League Baseball team. The park first opened in 1994 and has a capacity of just over 48,000 spectators. It has hosted a variety of events over the years, including the 1995 MLB All-Star Game, World Series games and collegiate baseball tournaments.

CHALLENGE

Light levels varied considerably, especially in the outfield. Energy costs were high, and the system needed frequent relamping and replacement of other components such as capacitors. The lack of instant-on capabilities associated with the metal halide lights limited the types of shows and productions that could be offered. Operators wanted the ability to create dynamic scenes and effects.

SCOPE

The project included replacement of the metal halide lights with Ephesus LED luminaries, as well as installation of a first-of-its-kind fiber optic communications system to allow for advanced DMX control of the new fixtures and interfacing with other in-venue systems such as scoreboards and ribbon boards.

SOLUTION

464 Ephesus Stadium Pro fixtures were installed, replacing the 780 metal halide fixtures. The Ephesus solution included controls to create unique fan experience effects and increase operational flexibility. The unique system is capable of dimming from 100% to 1%, and offers color temperature tuning capabilities from 4800K to 5600K while maintaining illumination on the surface. It can also be further color temperature tuned outside of that range.

RESULTS

316 fixtures were eliminated, while total system wattage was reduced by over 706,000 watts. Energy savings are estimated to be 60%. Illumination on the surface increased and uniformity improved to an impressive 1.10. The increase in light at the surface and improved uniformity greatly enhanced the HDTV sports broadcasting experience. Broadcast crews brought to Globe Life Park to test the lighting commented on its excellent uniformity, ability to match changing natural lighting conditions through color temperature tuning and ease with which they were able to follow the game's action. Viewers at Globe Life Park and watching Rangers' games at home will see events in a whole new light.

"While reducing the fixture count and being more energy efficient represent significant advantages, we're especially impressed with the improved field lighting for our players, fans and broadcast partners. The Rangers are thrilled to be among the early adopters of this new technology."

- Rob Matwick, Executive Vice President, Business Operations, Texas Rangers