



	Fixture	Foot Candles	Energy Savings 40%
Previous System	1500W Metal Halide	30	
Ephesus Solution	All Field 750	50	

VENUE

Pelcher-Arcaro Stadium of the Baldwinville Central School District is home field to the Baldwinville Bees. The stadium underwent a major renovation before the start of the 2016-2017 academic year.

CHALLENGE

The district wanted to reduce energy costs and maintenance associated with the existing sports lighting and upgrade the lighting quality in general. High profile games were often broadcast locally and the lighting was not optimal.

SCOPE

The extensive stadium renovation project included replacement of the metal halide lights by retrofitting Ephesus All Field LED luminaries onto the existing poles, as well as installation of new turf, aluminum bleachers and a press box.

SOLUTION

58 Ephesus All Field 750 fixtures were installed, replacing the metal halide fixtures. The Ephesus solution included wireless controls to increase operational flexibility as well as provide remote control and monitoring.

RESULTS

Energy savings are estimated to be over 40%. Illumination on the surface increased dramatically and uniformity improved. For the first time, the football, boys' and girls' soccer and field hockey teams as well as the marching band all use the field on a regular basis. The lighting's instant on/off capabilities enable more dramatic player introductions and halftime performances by the marching band. The increase in light at the surface and improved uniformity greatly enhanced the HDTV sports broadcasting experience.

Click here to see a time lapse video of day turning to night at Pelcher-Arcaro Stadium under Ephesus LED:

<https://www.youtube.com/watch?v=byJpMkhsQhA>

"In our first fall season with the lights, they have been beyond fantastic. Besides the obvious, which is the district will save money using the energy-efficient lights, it's great to hear from spectators, coaches and students how amazing the lights look. The clarity of the game is at a professional level and there are no dead spots - the entire field is evenly lit. Another great feature of the lights is being able to control them from your phone. People are blown away when they see that with just a simple click of a button, the lights can turn on and off."

- Chris Campolieta, Director of Athletics, Baldwinville Central School District