

# Deerfield Public Schools – District 109



Students at Walden Elementary climb rope next to new lighting fixtures (with safety cages). Old metal halide dome fixtures pictured for comparison.

## Lighting Retrofit Case Study

Customer:	<b>School District 109</b>
Facility Type:	<b>Schools</b>
Annual Energy Savings:	<b>55%</b>
Payback Period:	<b>1.27 years</b>



## The Company

School District 109 is located in Deerfield, IL. The district includes four elementary schools and two middle schools spanning kindergarten through 8<sup>th</sup> grade.

All the schools host a variety of sports, events and extracurricular activities after school hours, making them a central hub for programs in their community.

## The Challenges

National Retrofitting Group was chosen to replace and retrofit old, inefficient lighting at all six School District 109 locations.

Installation teams worked after school hours and around planned events to accommodate all the schools' schedules.

Special gymnasium fixtures were installed with wire cages as an extra safety precaution to prevent any broken fixtures from basketballs and other sports played in the gyms.

## The Results

National Retrofitting Group replaced over 250 inefficient fixtures in the gyms and multi-purpose rooms in all six schools. The new efficient fixtures will reduce lighting based energy usage by more than 50%.

NRG pursued DCEO grants to help cover the costs of the retrofit.

The gyms in all six schools are now brighter, safer and greener for all the students, staff and their activities.