

ELS CASE STUDY

ASSOCIATED RACK CORPORATION

QUICK FACTS

- **Project Name:** Associated Rack Corporation LED Retrofit
- **Location:** Athens Dr, Mt. Juliet, Tennessee
- **Gross Square Footage:** ~34,500



PROJECT DESCRIPTION

ARC specializes in custom tooling for the plating, anodizing, powder coating, e-coating, circuit board, heat treating, and PVD industries. Associated Rack provides complete fabricating services, material handling units, carts, baskets, and transportation units as well as a variety of non conductive, protective coatings.

In 2013, ARC contracted with Energy Lighting Services to retrofit its two buildings in Mt. Juliet, Tennessee, with high efficiency LED lighting in order to save money on their electric bills, reduce maintenance issues, and increase the lumens their shop areas. They were very happy with the results.

Energy Lighting Services.

ENVIRONMENTAL IMPACT

This energy efficiency project created a very favorable environmental impact. Not only did they save \$8,413 per year, they reduced their carbon footprint as well. The comparable metrics are as follows:



4,427 trees saved annually



15 fewer cars driven for 1 year



59 tons of carbon dioxide gas

KEY PROJECT RESULTS					
Total Cost w/o Incentives	Financial Incentives	Net Cost of Project	Projected Annual Savings	Simple Payback Period	Return on Investment
\$32,884	\$5,250	\$27,634	\$8,413	42 months	32%
Annual Energy Use			Annual Energy Reduction		
Before Project: 71,965 kWh After Project: 16,765 kWh			77%		