



Efficiency Works™

Estes Park  
Power and  
Communications

Fort Collins  
Utilities

Longmont  
Power &  
Communications

Loveland  
Water and Power

Platte River  
Power Authority

# Multi-phase project boosts efficiency

Beginning in 2018, **Tharp Custom Cabinetry** in Loveland upgraded to LED lighting in the manufacturing area of their new facility. More than \$128,000 in Efficiency Works rebates helped to minimize up front costs, allowing them to upgrade lighting in both their office and showroom.

## Project highlights



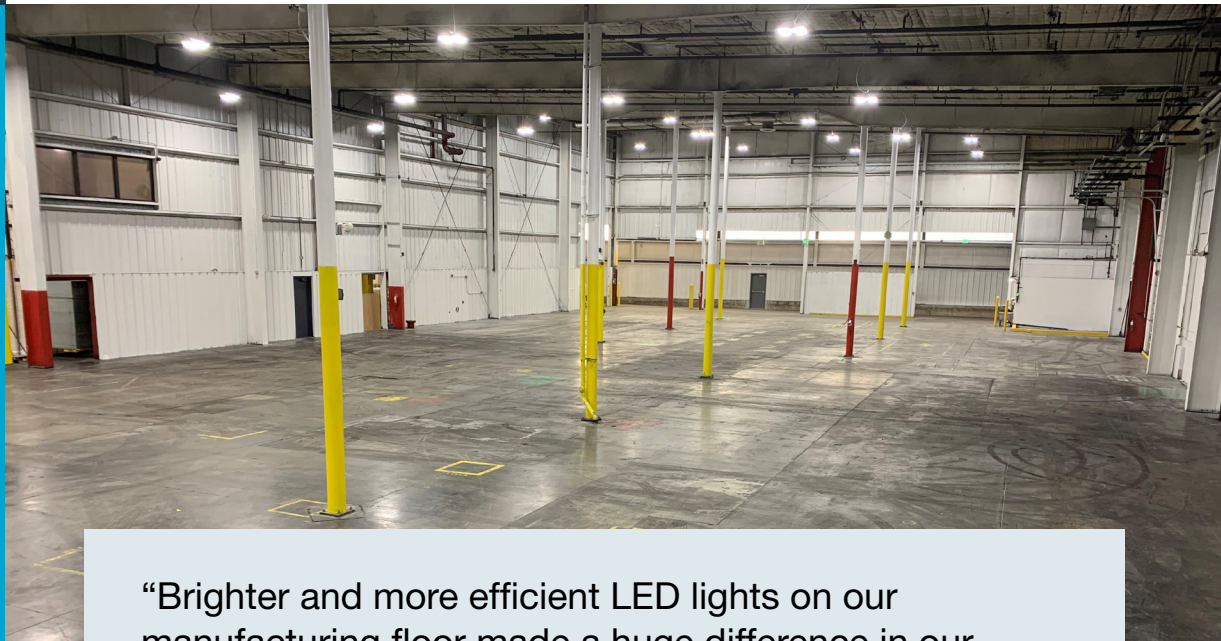
**322,101**  
kWh saved  
annually



**\$128,500**  
Rebates



**\$25,741**  
Annual cost  
savings



“Brighter and more efficient LED lights on our manufacturing floor made a huge difference in our productivity and the mood of everyone on the floor. It was a breeze working with Efficiency Works, they were extremely helpful in advising us on energy savings and helped maximize our incentives through the program.”

Ming Rummery  
Executive Vice President  
Tharp Custom Cabinetry

Visit [www.EfficiencyWorks.org](http://www.EfficiencyWorks.org) for more information.

# Project details

Location	Lights removed	Lights installed	Rebate	Annual kWh savings	Annual cost savings
Manufacturing warehouse (Phase 1)	211 metal halide and fluorescent fixtures	157 LED fixtures	\$49,068	114,032	\$9,009
Office and showroom	577 metal halide, fluorescent and incandescent fixtures	402 LED fixtures	\$50,000	116,243	\$9,183
Manufacturing warehouse (Phase 2)	143 metal halide and fluorescent fixtures	130 LED fixtures	\$29,432	91,826	\$7,549

## Additional benefits

- An Efficiency Works energy advisor helped Tharp Custom Cabinetry sort through multiple competitive bids from contractors. After the scope was selected, the energy advisor also helped complete incentive applications to ensure quick funding approvals.
- This project was completed in three phases to maximize the incentives and minimize out of pocket expenses. Simple payback periods after incentives were less than two years.
  - Replacement was prioritized based on move in timeline to take advantage of unoccupied areas of the building.
  - First phase (2018): upgraded lighting in manufacturing area.
  - Second phase (2019): finished manufacturing area lighting upgrade as well as office and showroom.
  - Third phase (2021): upgraded lighting in previously subleased area of building.
- As they look to the future, facility staff is looking to upgrade exterior lighting and install high efficiency, variable speed compressors, all with the help of the Efficiency Works Business programs.

Energy advisors from Nexant assisted this customer on this project.