

ES Lighting



Challenge

Grant Lechtenberg, owner of ES Lighting located in Lawrence, Kansas is the third generation owner of the lighting company originally established in 1963. The 3,000+ square foot showroom provides customers an opportunity to see indoor and outdoor fixtures, fans, and light bulbs. The showcase floor uses a lot of electricity. Grant wanted to reduce his energy bill and be sure to take advantage of the 30% Federal Tax credit available in 2019.

Solar Solution

Grant chose SunPower P-17 series for the price point and value of longevity over other commercial solar panels on the market. With the solar array designed by Good Energy Solutions, ES Lighting can expect an approximate offset of 90% of their energy use. That is an approximate annual savings of \$5,000.

Customer Benefit

A SunPower solar energy system is the perfect solar solution for customers that are interested in longevity. ES Lighting is a family owned operation and the solar investment will benefit generations to come and make the business more sustainable in the future. The system will also help shade the roof of the building from the hot Kansas sunshine during the summer, effectively lowering air conditioning loads immediately.



Quick Facts

 **41.4 kW**
Total System Size

 **Roof Mount**
Installation Type

 **120 (345W)**
Number of Panels

 **57,495 kWh**
Estimated Annual Output

“The Good Energy Solutions team were invaluable in their knowledge answering all my questions to help make the decision for ES Lighting to go solar. My long term goals for improving the infrastructure of the building, reducing utility and maintenance cost, while maximizing the return on my investment was a decision Matt and Kevin helped facilitate. ES Lighting as a locally owned and operated company believes in supporting our local community by buying local and using local tradesman. Good Energy has the same philosophy and showed that by using local contractors and suppliers for our project.”

Grant Lechtenberg
Head Light Bulb, ES Lighting



Solar Solution

The array was completed and became operational in December of 2018. The SunPower solar array sits on top of the ES Lighting building. Grant chose to use SunPower modules because of the 35 year useful life and 25 year product warranty.

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