



Customer Issues

Started in 1972 in his own garage, William (Bill) Shiffler moved to the Chardon square before he built his first building around 1980. After outgrowing that location the current building was erected in 1992 and added onto several times. As is typical of buildings that age and with multiple additions, the lighting was a mix of older T12 and newer T8 linear luminaires, making upkeep difficult as it dictates having lamp inventory of different varieties.

They were battling burned out lamps, flickering ballast and generally poor lighting conditions, especially in the warehouse areas. And besides maintenance concerns, owner John Shiffler was very interested in reducing his monthly energy spend.

Lighting Solution

SLS's lighting retrofit in the office converted all 2 x 4 troffers to 2 lamp 15W TLED Lamp fixtures, reducing energy and improving overall light levels. In the warehouse new fixtures with linear TLED were hang in line with the shelves to optimize lighting while reducing energy consumption in this area as well. Additionally the aisles were rewired to be on individual switches, allowing the team to control where they need light at any given time. The bathrooms were equipped with new LED screw based lamps.

End Result

The upgrade will Shiffler almost \$5,000 a year in energy cost and reduce consumption by 25%. Further, the improved lighting helped reduce mistakes in the warehouse and resulted in lower incident rates.

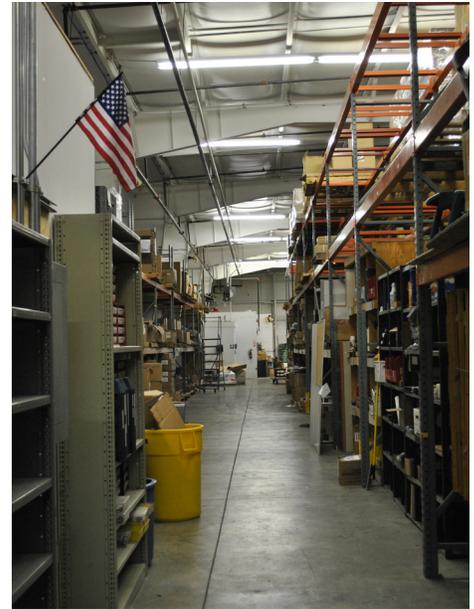
Project Facts

Lighting Retrofit Efficiency Upgrade

Energy Cost Savings	\$4,865.00
Power Savings	21.95 kW
Energy Savings	39,306 kWh
Fixtures Upgraded	361
Payback Period	3.7 years

Numbers reflect annual project savings based on prior energy consumption, local electric rates and specific usage hours. Savings for individual locations may vary.

Before



After

