

MAGNA SEATING DETROIT

CASE STUDY

LED LIGHTING

SCAN TO VIEW FULL CASE STUDY



Overview

The Safety Source approached Magna Seating in reference to providing a turnkey LED lighting proposal to upgrade their interior and exterior lighting to new energy efficient LED fixtures.

The Safety Source provided a free no-cost, no-obligation proposal and once approved handled the application paper work in order to secure the largest energy rebate available from DTE Energy. The lighting project took three weekends to complete. The Safety Source worked around the hectic ever changing production schedule at this facility. The entire building envelope was retrofitted with energy efficient LED fixtures and lamps, including high bay, task, inspection, office fixtures as well as all parking lot and wall packs on the exterior of the 350,000 sq. ft. facility.

Solution

Replaced 485 existing 356W T5 6 lamp fluorescent high bays with 159W LED fixtures. Reducing energy consumption by 57%.

Replaced 140 T12/T8 fluorescent fixtures with 50W LED strips, reducing energy consumption 74%.

Reduced office lighting energy use by 50% by replacing 402 T8 2- and 3-lamp fixtures with 18W LED tubes.

Replaced 44 400W metal halide parking lot and wall pack fixtures with 120W LED fixtures

Results

- Annual Electricity Savings **\$100,800**
- 11 Month ROI
- DTE Energy Rebate Captured **\$86,707**

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