

Racing Champions

Project Name: Racing Champions
Project Location: Dyersville, Iowa
Date of Installation: May 2002

Racing Champions' site is a 250,000 square foot warehouse/office space, converted from a manufacturing plant. The warehouse area used mainly 8 ft. VHO lighting, with some HID low bays. The customer wanted to reduce costs, improve lighting distribution and maintain light levels. A T8 retrofit kit was used on existing VHO fixtures, and a new T8 industrial fixture replaced the low bays on a one-for-one basis.

Objective: To reduce energy costs of existing lighting systems, improve lighting quality and maintain light levels.

Solution: Retrofit existing industrial fixtures from F96T12/CW/VHO lamps and magnetic ballasts to Miro4 reflectors, T8 lamps and electronic ballasts. Existing HID's were replaced with new industrial fixtures.

Material: Retrofit kit – M8VRXO47EP22/UN42; New Fixture – SMS08XNNNUO47YP22; Ballast – Osram instant start series, standard power in the retrofit kits and high power in the new fixtures; Lamp – Sylvania FO32/841.

Energy Savings:

Total Existing Wattage:	324,660
Total New Wattage:	132,892
Total kW Savings:	191 per month
Total kWh Savings:	719,130 per year
Total Energy Savings:	\$43,148 per year