

Riverland Community College – Electronics Lab

Project Name: Riverland Community College
Project Location: Electronics Lab - Riverland Community College, Austin, MN
Date of Installation: July 2002

Electronics Lab with “SportLite” style fixtures using eight 32 watt CFL’s was upgraded to our MRN series on a one for one replacement using six F32T8 lamps with standard power ballasts.

Objective: To provide better lighting distribution (existing system had levels from 35 to 55fc), lower maintenance costs, and improve energy savings.

Solution: The MRN series fixture provided better distribution (50 – 60fc) in the 8 foot version, increased lamp life by 100%, reduced lamp replacement cost by 60% and reduced energy consumption by 32%.

Material: Fixture – MRN8 3 32 N5X20 120 2/3 BF90 OSIS; Ballast – 3 lamp instant start with standard ballast factor.

Energy Savings:

Total Existing Wattage – 7168

Total New Wattage – 4872

Total kW Savings – 2.57 per month

Total kWh Savings – 5510 per year

Total Energy Savings - \$500 per year



Before



After