

Mid West University

Project Name: Mid West University
Project Location: Library
Date of Installation: February 2002

Large library with 2x2 troffer fixtures using three FB40T12 lamps upgraded to MetalOptics MVS series fixtures using F32T8 lamps with standard power ballasts.

Objective: Our customer was asked to come up with a lighting solution for a large library area as part of a major retrofit project at the university. The existing system consisted of 2x2 troffers with three FB40T12 lamps. To reduce costs, the honeycomb ceiling was to be retained.

Solution: A new layout was designed using MetalOptics MVS series fixtures. The sloped ceiling required different pendant lengths to provide even lighting levels. Energy was reduced by 59%, while increasing light levels to IES standards.

Material: Fixture – MVSN8 1 32 N1X20 120 1/2 BF12 OSIS; Ballast – QT2X32/120PLUS; Lamp – F32T8/TL841.

Energy Savings:

Total Existing Wattage:	60,000
Total New Wattage:	24,600
Total kW Savings:	36 per month
Total kWh Savings:	135,900 per year
Total Energy Savings:	\$8,156 per year



Before



After