

Case Study

First Evangelical Free Church, Wichita, KS



Challenge

- New regulations had outlawed inefficient high-wattage quartz lamps.
- Lightning disabled the dimming system and caused multiple electrical issues resulting in the need for an immediate resolution.
- No traditional lift could be used due to a basement located beneath the sanctuary creating an opportunity to collaborate with additional partnerships to ensure the integrity of the facility and the safety of our team.

Solution

- Install a new panelboard along with 140 energy efficient LED can fixtures equipped with Casambi control modules on every light fixture.
- Bypass the broken dimming modules and integrate the LED fixtures into the existing DMX system.
- Partner with a professional scaffolding company for the three-week project duration.

Financial

Project Cost: \$222,860
System Wattage Before: 45,900
System Wattage After: 8,950
80% Overall Energy Savings

Improvements/Benefits

- State of the art LED lighting system with excellent light quality and long life
- Seamless integration of new light fixtures into DMX dimming system
- Reduced energy consumption