

# Camden Church of Christ



## OVERVIEW

Camden Church of Christ of Camden, TN was seeking an upgrade to its sanctuary lighting and controls, in addition to a reduction in the maintenance associated with its antiquated fluorescent lighting in common areas and classrooms. In addition, church representatives sought to increase illumination in the parking lot to LED and use associated energy savings to offset the cost of the project. The church trusted Helios Energy to provide a customized and cost-effective solution.

## CHALLENGE

- Aging controls in the sanctuary that were incompatible with new LED lights
- High and angled ceilings made for difficult access to the sanctuary lights that required lifts to replace bulbs
- Exterior illumination needed an upgrade
- Maintenance time and labor was increasing with fluorescent fixtures



## SOLUTION

- Complete LED retrofit and replacement
- Existing sanctuary downlights replaced with high-end downlight with dimming capability and selectable power, reflection angles, and lumen output for maximum flexibility
- Replaced existing panel control system with upgraded Wi-Fi-enabled controls using a tablet

## RESULT

- Energy consumption reduced by 79% and used to offset cost of project
- Maintenance expense reduced by 98%
- Increased parking lot illumination, safety factor, and reduced cost of maintenance for changing bulbs

## The Helios Energy Impact

10-year energy savings –  
**\$58,340**

10-year maintenance savings –  
**\$33,880**