



PLACES OF WORSHIP

Riverbend Church

Riverbend Church, nestled in the Westlake Hills area of Austin, Texas has built a reputation for serving their community in an innovative, exemplary manner. The church strives for excellence in all aspects of their operation.

Challenges

Anticipating additional cost increases from their local energy company, Joe McKenzie, Director of Facilities at Riverbend, began investigating options to reduce the church's energy consumption. The Church also desired that their facilities be more environmentally responsible and felt that it was the appropriate time to implement sustainable technologies like LED lighting.

ActiveLED[®]
Case Study

Riverbend partnered with ActiveLED[®] to retrofit their existing walkway bollard lights with energy-efficient ActiveLED[®] Light Engines and Power Sources. “The combination of energy savings, environmental conserva-

tion, the 10-year warranty, and 3-year payback made the retrofit an easy decision,” McKenzie said regarding their choice to replace the existing High Pressure Sodium lighting with LED.

Solutions

Riverbend retrofitted thirty-five, 120 watt walkway bollards throughout the campus. The installation involved removal of the old electrical components of the fixture (bulb, ballast, etc.) and replacing them with ActiveLED® Light Engines and Power Sources. ActiveLED® also repainted and refurbished the mechanical construction of the bollards. The original exterior housing of the fixture was preserved to ensure that the fixture’s aesthetics were unchanged, while significantly improving the quality and uniformity of the light output.



Results

The *ActiveLED* walkway bollard retrofits provide a bright, uniform and uni-directional light that enhances the security and visual acuity in the parking areas and walkways. The fixtures deliver an 83% reduction in energy consumption compared with the previous fixtures and a 10-year warranty ensuring a long term, virtually maintenance free lighting solution.

ActiveLED, established in 2007, is an innovator of solid-state technology and manufacturer of commercial LED lighting fixtures, providing *ActiveLED* luminaires with patented, solid-state lighting control and thermal management technology. *ActiveLED* is based in the United States with offices in the United Kingdom, France, Japan, and Singapore.

Project Summary

Customer:

Riverbend Church, Austin, Texas

Application:

Exterior Area

Lighting Product:

ActiveLED®

Walkway Bollard Retrofit

Before:

35 - High Pressure Sodium @ 120 watts each. Total = 4,200 watts

After:

35 - ActiveLED Retrofit Lights @ 20 watts each. Total = 700 watts

Results:

- Reduction in Watts: 100 per light
- Reduction in kWh: 3,500
- Payback*: < 3 years
- Improved visibility and image recognition at night
- Reduced light spread – Dark Sky compliant

*Significant maintenance savings

