

Metro West Christian Academy



OVERVIEW

Metro West Christian Academy of Ashland, Massachusetts was seeking a lighting solution partner for a complete lighting update in their Ashland, Bellingham and Grafton locations. The existing lighting was high-wattage and high-maintenance. Metro West sought to reduce energy and associated maintenance costs while additionally improving controls, aesthetics and functionality.

CHALLENGE

- Cut energy consumption by 60%
- Cut maintenance expense by 90%
- Improve illumination levels by 30%
- Increase lighting in key security areas
- Automate controls to provide additional savings



SOLUTION

- Complete LED retrofit and replacement
- Install sensors for all exterior lighting
- Automate controls in low occupancy areas such as offices and bathrooms
- Add fixtures to increase low light level areas inside and outside of buildings

RESULT

- Energy consumption reduced by 63%
- Maintenance expense reduced by 100%
- Increased illumination by 78% inside
- Added dimming and special control features
- Dramatically improved lighting quality

The Helios Energy Impact

10-year energy savings –
\$423,246

10-year maintenance savings –
\$44,039

Total 10-year savings –
\$467,285

63% reduction in CO2! Equivalent to removing **23** cars from the road per year, or not burning **12,321** gallons of gas!