

Palmetto Scholars Academy



OVERVIEW

Palmetto Scholars Academy of North Charleston, SC was seeking an energy solution partner to completely retrofit existing lighting, which was high-wattage, high-maintenance and an inefficient expenditure of funds. They sought to reduce energy and maintenance costs, while simultaneously improving the aesthetic appeal, enhancing illumination across campus facilities, and increasing safety and security for the students, faculty and staff.

CHALLENGE

- Cut energy consumption by 30%
- Cut maintenance expense by 100%



SOLUTION

- Complete LED retrofit and replacement of all Troffers, Wall Packs, High Bays and Emergency Lights
- Install cutting edge fixtures

RESULT

- Energy consumption for lighting reduced by 44%
- Maintenance expense reduced by 100%
- Dramatic reduction in energy consumption, elimination of the cost of replacing antiquated fluorescent lamps and ballast that contain elements harmful to the environment
- Notably improved lighting on the interior of campus buildings, increasing comfort, safety and performance of students

The Helios Energy Impact

80,691 kWh reduction in energy per year, enough to power **8** average sized homes!

10-year energy savings –
\$95,220

10-year maintenance savings –
\$24,610

Total 10-year savings –
\$119,830

125,059 lbs. of CO2 saved! Equivalent to removing **12** cars from the road a year, or not burning **6,383** gallons of gas!