


# LED LIGHTING UPGRADE AT ST FRANCIS DE SALES

ENHANCING ENERGY EFFICIENCY & LIGHT  
QUALITY THROUGHOUT THE SCHOOL



OEO T8 LED  
"PLUG-AND-PLAY"  
(TYPE A)

## SUCCESS STORY OVERVIEW

Rising electric costs and an aging lighting systems were putting a strain on the budget at St. Francis de Sales School (SFDS), one of the largest parishes schools in the Chicago Archdiocese. With multiple buildings—including a church, school, meeting hall, and office center—the parish needed a **quick, effective lighting upgrade that wouldn't demand extensive labor or disruption.**

OEO Energy Solutions delivered a smart, low-maintenance solution: nearly 3,000 Type A "plug-and-play" T8 LED lamps. **These energy-efficient upgrades slashed electric bills, brightened learning and worship spaces, and reduced the maintenance burden—delivering real savings from day one.**

## HIGHLIGHTS

- Replaced nearly 3,000 outdated fluorescent T8 lamps with **high-efficiency LED lamps.**
- Utilized Type A, ballast compatible, "plug-and-play" lamps for a seamless installation with limited labor. No re-wiring required.
- Achieved a **25% reduction in monthly utility bills, equating to over \$30,000 in annual energy savings.**
- **Improved light quality** across classrooms, hallways, offices, and the parish campus.
- LED lamps last 2-3 times longer than traditional fluorescents, significantly reducing ongoing maintenance costs.

## THE CHALLENGE

St. Francis de Sales School faced:

- Rising energy costs across multiple facilities
- Inconsistent light quality in classrooms, offices, and hallways
- Frequent bulb replacements that strained limited maintenance staff
- A need for a fast, disruption-free LED upgrade

## THE SOLUTION

OEO Energy Solutions provided:

- Nearly 3,000 Type A, “plug-and-play” T8 LED lamps
- A simple retrofit that required no rewiring or fixture replacements
- Brighter, more consistent 4000K lighting throughout the campus
- A dramatic reduction in power usage and future maintenance expense



## THE RESULTS

- **\$30,000+ Annual Energy Savings:** The parish now sees an immediate and ongoing reduction in electricity bills.
- **Enhanced Light Quality:** Brighter, more natural white light at 4000K - significantly improved visibility and ambiance.
- **Low Maintenance:** Longer lamp life reduces maintenance labor and material replacement.
- **Simple, Fast Installation:** Type A LED lamps required no rewiring, no electrician, and no fixture changes, minimizing disruption.

BRIGHTER LIGHTING

EFFORTLESS UPGRADE

\$30K+ ANNUAL ELECTRIC SAVINGS

## CUSTOMER TESTIMONIAL



"Larry Butz and the OEO team were great to work with. They were able to guide us through the entire project, ensuring a seamless transition. We are very happy with our new lighting and most especially our significant savings!

Thanks for all you have done at our parish to help us realize year-over-year savings in electricity and the significant reduction in bulb purchases."

-Laura Angelini, St. Francis de Sales Parish, 847-726-4747, llangelini@stfrancislz.org

