



**INNOVATIVE
FACILITIES
SOLUTIONS**

IFS Retail Case Study: High Brothers Lumber & Home Center

PROJECT OVERVIEW



Authorized Distributor

High Brothers Lumber & Home Centers were experiencing skyrocketing energy costs because of the need to operate numerous large, 400-watt metal halide lights. Looking for a better lighting solution to reduce its overall base load of electricity, High Brothers turned to IFS. The use of metal halide lighting, which emits large amounts of heat, forced High Brothers to increase its use of electricity to run more air conditioning. IFS solved the problem by installing energy-efficient Orion High Performance Lighting. Orion's technology optimizes energy efficiency and maximizes lighting. Now, with significantly lower energy bills, High Brothers and its customers see better and stay cool.



Before

ANNUAL SAVINGS



After

ENVIRONMENTAL IMPACTS*

ENVIRONMENTAL EQUIVALENTS

Energy Savings	\$8,150.98
Displaced Energy	101,887 kWh
kW Demand Saved	2,830
Light Level Improvement	30%
BTU Displacement (total power in watts)	28,302
CO2 Removed	198,672 lbs. per year
SO2 Removed	864 lbs. per year
NOX Removed	417lbs. per year
Mercury Removed	1.7 lbs. per year

- Planting 20 acres of trees annually
- Removing 18 cars from the road annually
- Saving 9,072 gallons of gasoline annually
- Saving 48 barrels of oil annually

* Source: U.S. Environmental Protection Agency