



ADMINISTRATIVE FACILITY

WOLF X-RAY CORPORATION

DEER PARK, **NEW YORK**

A TRUSTED AND VALUED NAME

Imaging technology has come a long way in the medical field. As a family-owned-and-operated business, Wolf X-Ray has seen tremendous growth since its establishment in 1931. Wolf manufactures over 180 different products and employs over 80 people in their 65,000 square foot manufacturing and administrative facility in Deer Park, New York. For more than 80 years, medical professionals worldwide have relied on quality x-ray protective products from Wolf X-Ray. Now, Wolf has put their trust in Big Shine Energy LED lighting to help them continue that legacy.

UPHOLDING QUALITY STANDARDS

As part of their efforts to maintain a state-of-the-art facility, a point of concern was saving on electricity costs by saving energy. Their existing lighting system and layout was using significant amounts of energy while producing minimal lighting. Using a magnetic ballast system that housed T8 and T12 fluorescent tubes, the facility was receiving average foot-candle levels of only 25-30fc. While some can consider T8 and T12 fluorescents efficient, their longevity has now been proven to be incomparable to LED lighting.

During the process of choosing a lighting provider, competitors suggested replacing all of the light fixtures throughout Wolf's facility. However, our Big Shine Energy consultant noticed that certain existing fixtures could be removed and the same improvement in light output could be achieved. Removing unnecessary fixtures would lower the upfront cost of the lighting upgrade and maximize their overall savings. In any lighting project, it's important to listen to the concerns of the customer and consider every option that benefits them.

OUTSTANDING RESULTS

We installed our sleek, streamlined 2x2 and 2x4 LED panels. Now, not only has the Wolf X-Ray facility seen a jump from 30fc to 85fc, but also 21 unnecessary fixtures were removed from the lighting layout. Their annual savings are \$3,906.77, which is \$19,533.84 over the next 5 years due to this lighting upgrade. Additionally, by working together with PSEG, our Big Shine Energy Consultant procured \$7,060 in rebates for Wolf X-Ray's lighting project.



Wolf X-Ray's existing lighting layout was consuming significant amounts of energy while only producing minimal lighting.



Big Shine Energy designed a layout that eliminated 21 unnecessary fixtures while increasing the light output from 30fc to 85fc.



THE LIGHTS



2x2 LED Panel



2x4 LED Panel

THE NUMBERS

ANNUAL SAVINGS



\$3,906

SAVED IN ENERGY COSTS



19,720

KWH SAVED

ENVIRONMENTAL IMPACT



74.8

TONS OF CO₂ EMISSIONS REMOVED



14.3

CARS REMOVED FROM THE ROAD



64.2

ACRES OF U.S. FORESTS PLANTED