



AK Stainless Steel

The Challenge

The client's premises contained 97x400w SON High Bays in a large open-plan area. Our survey found the site was consuming 213,059 kWh and 116.12 tonnes of CO2 a year. Also, the existing lighting was providing only 109 lux, which needed to be improved for the type of work taking place.

The Solution

After a trial period using the Allied 120w High Bay against a number of competitors' 150w equivalent, we were awarded the project. After installing Allied Lighting luminaires, consumption dropped to 58,107 kWh and 31.67 tonnes of Co2 a year. As well as saving energy consumption, there was a vast improvement in lighting levels, which achieved an average of 215 lux. We also installed the fittings, working through the night to minimise disruption for the business.

The Results



After we installed LED luminaires, the firm enjoyed a 73% reduction in energy consumption and reduced CO2. In total, our LED range achieved a 154,952 KWh and 84.45 Co2 tonnes a year saving and the project achieved a 2.1-year payback. The luminaires are expected to run for years and are backed by Allied's product warranty. We also helped the client fund the project and claim government tax incentives.

Services Used

- Consultancy and Strategy** - We provided a lighting audit to identify where savings could be made.
- Lighting Report and Visual Design** - Allied provided a full Relux lighting design to show light level conformity.
- Finance Modelling** - We explored a number of finance options before the client purchased the products up-front.
- Luminaire Supply** - We supplied a number of luminaires, including the 120w High Bay, Lucid 60 and Lucid 24.
- Install and Recycle** - The client didn't require this service.
- Lighting Maintenance and Warranty** - As with all Allied products, the customer received peace of mind with our five-year product warranty.

Customer Feedback

"we trialled a number of fittings before committing and Allied's 120w highbay provided more light than other's 150w, that extra saving was fantastic as keeping on top of cost was a priority, especially when trying to lock-in margins"

Tony Barron
Managing Director