



# Harrow Council London

## The Challenge

As part of Harrow Council's energy-reduction contract, we helped supply and install cutting-edge luminaires to massively reduce a number of schools' energy and maintenance costs. Our survey found the site was consuming 129,958 kw, 70.83 tonnes of CO2 per year.



## The Solution

After exploring several LED lighting options, we recommended a number of fittings, including the Allied Lunar 60, Allied Lucid 24 and Allied Linear range. The client instantly recognised the superior quality of the lamp against other LED luminaires on the market.

To get the correct products for the project, our in-house design department ensured the correct light levels were being achieved. We found that, with the superior lumen output, we could achieve a substantial reduction in fittings, adding to the energy and maintenance savings.

## The Results

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After we installed LED luminaires, we achieved a 61% reduction in energy consumption and a cut in CO2. In total, our range achieved a 111,295 kWh and 60.66 CO2 tonnes per year saving and the project achieved a 2.08-year payback. The luminaires are expected to run for years and are backed by the Allied product warranty.

## Services Used

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- Consultancy and Strategy** - We provided a complete lighting audit for the entire school, showing energy savings, carbon reduction and return on investment, to present to the school governor alongside Harrow Council.
- Lighting Report and Visual Design** - We provided full lighting design, using our design software to ensure lighting met CIBSE guidelines.
- Finance Modelling** - Allied provided a number of solutions for the school to achieve Salix Financing
- Luminaire Supply** - We provided a number of luminaires, Lunar 60 panel, Lucid 24, Opal 2LED and Linear range.
- Install and Recycle** - Allied worked alongside a national contractor to provide the install.
- Lighting Maintenance and Warranty** - As with all Allied products, the customer received peace of mind with our five-year product warranty.

## Customer Feedback

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“with Allied surveying the school and providing a detailed luminaire schedule the installation was effortless, we have now completed a further seven schools working alongside Allied”

Tom Graham  
Installation Contractor