



Case Study

Bishop King Church of England Primary
School
Lincoln

T5 lighting upgrade using adaptors

BEFORE

The lighting at Bishop King was inefficient and would benefit from a lighting upgrade to T5 lighting.

Lighting accounted for 80% of the schools electricity consumption with annual costs of £3,817.

It was decided that the best option for the school was to use adaptors replace all the T8 tubes with T5 tubes as the existing light fittings were in a good condition at a cost of £6,685.

AFTER

Mission Environmental were awarded the contract to replace all the schools T8 fluorescent tubes with brand new energy efficient T5 fluorescent tubes with a projected saving of approximately 49% on existing lighting consumption and costs.

The work was carried out at a time that was convenient for the school with no disruption to the education of the pupils.

SAVINGS

The projected savings are detailed below:

Project Costs:	£6,685
Annual Financial Savings:	£1,879
Annual Carbon Savings:	11.4 tonnes of CO ₂
Payback:	3.6

Bishop King successfully applied to Lincolnshire County Council's Salix Energy Efficiency Loan Scheme for the full project costs.

The loan is interest free, there are no management fees, and the repayments are made at 75% of the projected energy savings until the loan is repaid in full

CONTACTS

Bishop King's Project Manager – Rae Barnes

For further information on LCC's Salix Energy Efficiency Loan Scheme contact Steve Golightly on:

Tel: 01522 554804

E-mail: steve.golightly@lincolnshire.gov.uk