

LED Lighting for Schools, Colleges and Universities



RENEWABLE
SOLUTIONS
Lighting

Better lighting for better learning



“ At Renewable Solutions Lighting we believe that to nurture future generations, there are few things more important than creating the right kind of learning environment – and lighting is a major part of this. Adding sustainability into the mix saves carbon, aids learning potential and safeguards our future planet. ”

We design, install, maintain and fund LED lighting projects into the Education sector.

We only work within Education.

Because schools are at the heart of everything we do, we always put your needs first. Our approach is totally consultative, informative and passive.

**Refit your whole school
with modern LED lights
in a single project with
no capital outlay.**



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Why LED?

By recreating the dynamics of natural daylight in the classroom, LED lighting provides an outstanding learning environment that engages and stimulates.

You can give your students the very best start in school with light that enhances learning, improves results and makes everyone feel better.

Efficiency

LEDs are extremely energy efficient and consume up to 80% less than incandescent bulbs. Because LEDs use only a fraction of the energy of an incandescent light bulb there is a dramatic decrease in energy costs.

Cut the schools Co₂ output and reliance on fossil fuels

Consume up to 80% less electricity and, therefore, less carbon pollution; less waste from longer-life bulbs.

Longevity

LEDs have a lifespan of up to 100,000 hours compared to 10,000 hours for fluorescent. LED lighting will last over 20 years in a school before needing replacement.

The long lifespan of LEDs will dramatically reduce maintenance costs and lower long-term operating costs compared to traditional incandescent bulbs and fluorescent tubes.



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Our goals...

1

Cut fuel bills and achieve reduced expenditure for your school.

2

Create a better learning and teaching environment.

3

Cut your schools Co₂ output and reliance on fossil fuels.

4

Allow your school to refit the whole school as a single project with fully inclusive maintenance.

5

Create a yearly cash surplus for your school to reinvest.



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How it works...

1

We survey your school and examine the running cost of your existing lighting.

2

We design a new LED lighting scheme for your school and calculate energy and cost savings.

3

You use the savings made to fund a compliant Operating Rental solution.

4

The rental payments are calculated so that they are smaller than the monthly energy costs saved through the installation.

5

All schools can generate yearly cash surpluses to increase educational opportunities for disadvantaged children.



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What if...

- **You could...** install LED lighting across your school at ZERO NET COST?
- **You could...** improve the learning/working Environment for all students/staff?
- **You could...** regain a significant amount of Site Team time back to use pro-actively across your school site?
- **You could...** cut your replacement lamp cost to Zero?
- **You could...** reduce your electricity cost by up to 80%?
- **You could...** ensure the electricity savings made cover the cost of the finance solution?
- **You could...** benefit from a fully comprehensive warranty on light fittings/bulbs supplied by the manufacturer?
- **You could...** fund this solution with a DfE compliant Operating Rental Agreement?
- **You could...** significantly add to your 'Green Credentials' and contribute towards supporting the environment.



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What happens next...

1

On approval we conduct a site survey. Your site and energy consumption are analysed.

2

A design is created which is tailor-made for your school.

3

We arrange for one of our consultants to visit you and present your bespoke lighting proposal.

4

The installation of the system takes place, fully project managed by Renewable Solutions Lighting.

5

To give you complete peace of mind, the installation has a fully comprehensive warranty including ALL PARTS, SPECIALIST LABOUR and ACCESS EQUIPMENT for the entire rental period.



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Funding example...

Current energy cost of lighting
£10,000.

New cost of energy spent on lighting
£4,000.

Savings on energy
£6,000.

Annual rental cost
£4,000.

Year 1 surplus for school
£2,000.



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Renewable Solutions Lighting Ltd LED Funding scheme

Frequently Asked Questions.

WHAT IS THE EDUCATION FUND FOR LED LIGHTING?

The Fund is an Operating Rental that enables schools to install LED Lighting, lower energy costs and reduce their carbon footprint without having to find the upfront capital to purchase the equipment.

By simply paying a quarterly lease amount the scheme generates cash surpluses for the school from day one to be reinvested in the school. Your rental payments are paid quarterly in arrears.

There are no capital costs to the school and the lease repayments are made from the savings. There will always be a surplus after the lease payments are made, for the school to spend.

Who owns the equipment?

The Funder continues to own the equipment for the duration of the lease "10 Years".

What is the warranty period?

Onsite Supported Warranty – 10 years (Lease Duration).

What are the Lease payment terms?

The lease is paid quarterly in arrears.

Is the detailed technical survey available for audit?

The detailed lighting fitting schedule is shared with the customer after the letter of intent has been signed.

How can the school be sure the proposal offers good value?

The Funder assigns an independent consultant for the verification and validation of both the energy saving calculations and the retained profits by the installer.

How can the school be sure of the energy savings calculations?

LED products are characterised by very low energy consumption. The luminaries are very energy efficient and meet the requirements of minimum Class A and many at Class A+ and A++ for the EU energy labelling of products. The EU energy label gives information about the energy efficiency of a product. The label rates products in categories from A++ being the most efficient type of product, producing the lowest

amount of CO₂, to E, which is not very efficient at the other end of the energy scale. There is also a coloured matrix ranging from dark green (the best) to red (the worst).

For further information on this, the UK government have a website / link

<https://www.gov.uk/guidance/the-energy-labelling-of-products>

Finance & Compliance

- Robust costed Business Plan available for Governor/Trustee authorisation.
- Value for Money (VfM) proven over life of Contract via reduced exposure to energy cost pressure(s) and control of Maintenance Expenditure.
- Due Diligence Pro-Forma available...
- Compliant to the ESFA Academies Financial Handbook in respect of VfM, Regularity & Propriety.
- Complies with and reacts to the DfE Financial Efficiency measures.
- Unique Warranty/Funding solution waives need for Formal Tender process (single unique source of procurement).

Health & Safety and Safeguarding

At RSL we have managed the installation of numerous lighting upgrade installations without a single H & S or Safeguarding issue. The safety of your staff and students is of paramount importance during any works onsite. We are used to working to extensive safety requirements as most installations take place during term time. We have a suite of H & S, CDM and Safeguarding documentation. We prepare all CDM, Risk Assessment and Method Statement documentation prior to works commencing. These are provided to you in advance. DBS Enhanced copy certificates are provided, and any local H & S requirements are included as part of the induction process.



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Case studies...



Buckden C of E Primary School

Buckden C of E Primary School saves 20 tonnes of CO₂ with innovative LED lighting upgrade.



Customer:	Buckden C of E Primary School, St Neots, Cambridgeshire
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £92,713
Reduction in CO₂ emission's (tonne):	20 tonnes

"At Buckden C of E Primary School, we were keen to look at ways to improve our lighting. After speaking to RS Lighting and seeing the ways we could fund the change over to LED Lighting, we had a full lighting survey completed and as soon as we saw the results we knew it was the best way forward. Whilst substantially reducing energy and maintenance costs the light output has improved considerably. I would highly recommend RS Lighting and their team. They did a great job and we couldn't be happier"

Chris Skelton—Site Manager



Connaught School For Girls

Connaught School now has compliant LED emergency lighting fitted with a full LED Lighting upgrade.



Customer:	Connaught School For Girls, Leytonstone, London
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £281,859
Reduction in CO₂ emission's (tonne):	66 tonnes

"We were contacted by RS lighting in relation to the lighting throughout the school but thought it was all too good to be true, however, we can eat our words. Nothing was too much trouble for them. They came to a Governors meeting (during the evening) along with the sponsors of this project and explained it fully. There was no outlay, and all we can expect now are the savings. The men who did the work, worked in conjunction with our Site Services Officer. There was no mess and everything cleaned away each evening. They revisited site promptly when we had some minor teething problems, which was to be expected in a school our size, but absolutely nothing major. I would highly recommend this company to anyone looking for this type of project. We would be more than willing to let anyone visit the school who is interested but unsure."

Annette Kent—Business Manager



Emerson Park Academy

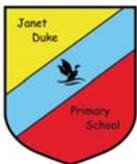
Emerson Park Academy enjoys 'significantly improved' illumination from energy saving LED upgrade.



Customer:	Emerson Park Academy, Romford, Essex
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £304,336
Reduction in CO₂ emission's (tonne):	71 tonnes

"What a fantastic job the electricians did. It has turned the school around completely. We now have everywhere well lit, instead of the awful yellowish old lights".

"Thanks to everyone at RS Lighting".
James Weatherley - Facilities Manager.



Janet Duke Primary School

Cash-positive lease package delivers energy efficient LED lighting upgrade to Janet Duke Primary School.



Customer:	Janet Duke Primary School, Basildon, Essex
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £180,386
Reduction in CO₂ emission's (tonne):	29 tonnes

"RS Lighting offered us first class service with our LED Lighting, their staff were professional and knowledgeable, disruption was minimal and the team showed a great understanding of the needs the school required and how to best meet them. I would highly recommend RS Lighting - it was great to work with them on our new LED Lighting project".

Kay Wilk - Business Manager



The John Curwen Co-operative Academy

The John Curwen Co-operative Academy enjoys 'Significantly improved' lighting from new energy saving LED.



"I have been more than pleased with RS Lighting. From our first discussions, they were informative and explained the process thoroughly. RS Lighting visited us and updated what we could have for the money and did a thorough walk through the school listing which lights would be most suitable for the different areas. They inspired me with confidence as they knew what would work with the pupils and which areas would be better on a timed switch. They also stated that if something didn't work they would be more than willing to come back and alter it to suit us better. (However, they were right with their decisions). Overall, I could not have been any happier with the service and quality of work that they have done and I would fully recommend them to other schools and businesses. "

Kirsty Hacker - Schools Business Manager

Customer:	The John Curwen Co-operative Academy, Heckmondwike, West Yorkshire
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £78,551
Reduction in CO₂ emission's (tonne):	40 tonnes



John Keble C of E Primary

John Keble has been equipped with highly efficient LED lighting supplied and installed by RS Lighting.

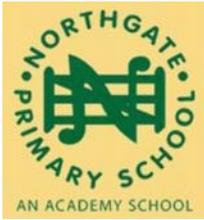


Before/after in the children's cloakroom areas.

"We are very satisfied with our new LED lighting. Where once we had concerns due to poor illumination we now have brightly lit spaces. RS Lighting provided us excellent service both before and during installation We couldn't be happier with RS Lighting and this project"

Jerry Norris - Site Manager

Customer:	John Keeble C of E Primary Hursley, Winchester
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting



Northgate Primary School

Northgate Primary School saves 33 tonnes of CO₂ with new improved LED Lighting supplied and installed by RS Lighting.



Customer: Northgate Primary School, Bishops Stortford

Funding Scheme: Education Social Enterprise funding for LED Lighting

Technology: LED Lighting

Outcome: Revenue generated from energy savings over the project lifespan - £ 77,497

Reduction in CO₂ emission's (tonne): 33 tonnes

"We recently had our whole school refitted with new LED Lighting supplied and installed by RS Lighting. From survey to completion of the project, everything went smoothly and the school looks fantastic. The install was completed on time and the install team did a great job. We would highly recommend RS Lighting to other schools "

Peter Parker - Site Manager



Priory School Special Academy

Priory Special School saves 26 tonnes of CO₂ with innovative LED lighting upgrade.



Customer: Priory School Special Academy Bury St Edmunds, Suffolk

Funding Scheme: Education Social Enterprise funding for LED Lighting

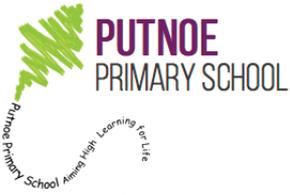
Technology: LED Lighting

Outcome: Revenue generated from energy savings over the project lifespan - £111,045

Annual reduction in CO₂ emissions (tonne): 26 tonnes

"On behalf of the pupils and staff here I wanted to thank RS Lighting for the manner in which they have installed our new lighting system. They were fantastic, always pleasant and very professional. It has been a pleasure having them on site. We look forward to working with them again."

Lawrence Chapman – Headteacher



Putnoe Primary School

Putnoe Primary School have transformed their school with new energy saving LED Lighting.



"At Putnoe Primary School, following an extensive audit and cost saving calculation, we decided to change our fluorescent lighting to LED Lighting. This was supplied and installed by RS Lighting. We used a schools compliant operating lease which has funded our project with no capital outlay. The whole team from start to finish were extremely tidy and efficient. The school looks brighter, more modern and is now more efficient, which as an 'Ambassador Eco-Schools Green Flag holder' is very important to us! I would be more than happy to recommend RS Lighting to other schools"

Steve Dwyer - Site Manager

Customer:	Putnoe Primary School, Bedford
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £109,290
Annual reduction in CO₂ emissions (tonne):	14 tonnes



Ripple Primary School

Ripple Primary School saves 96 tonnes of CO₂ with innovative LED lighting upgrade.



Customer:	Ripple Primary School, Barking, Essex
Funding Scheme:	Education Social Enterprise funding for LED Lighting
Technology:	LED Lighting
Outcome:	Revenue generated from energy savings over the project lifespan - £902,202
Reduction in CO₂ emission's (tonne):	96 tonnes



South Wigston High School

South Wigston High School reduces energy consumption by 70% thanks to a full install of LED Lighting.



"We are extremely pleased with the LED lighting upgrade supplied by RS Lighting and funded by Less is More Capital. Having completed CIF and Salix bids in the past, this was a fantastic solution to my on-going challenge. It has meant a nicer environment for our students, teachers and employees. In addition, we're saving substantial money and carbon each month. The team were professional and quick. I was amazed at the speed with which the whole school solution was installed. We're happy we made the change to LED....only wish we had done it sooner!!".

Martin Towers (Business Manager)

Customer: South Wigston High School, Leicestershire

Funding Scheme: Education Social Enterprise funding for LED Lighting

Technology: LED Lighting

Outcome: Revenue generated from energy savings over the project lifespan - £292,577

Annual reduction in CO₂ emissions (tonne): 70 tonnes



The Thomas Alleyne Academy

The Thomas Alleyne Academy opts for risk-free operational lease to deliver energy savings and improved light quality.



"I found the experience with RS Lighting incredible. As a school our ambition wasn't just save money, we wanted to improve the learning and teaching environment for our students and staff. RS Lighting have done just that with a full install of new LED Lighting".

Mark Lewis - Head Teacher

Customer: The Thomas Alleyne Academy, Stevenage, Hertfordshire

Funding Scheme: Education Social Enterprise funding for LED Lighting

Technology: LED Lighting

Outcome: Revenue generated from energy savings over the project lifespan - £384,925

Reduction in CO₂ emission's (tonne): 75 tonnes



Woodlands School

RS Lighting helps Woodlands School to cut their lighting energy use by 75%.



Customer: Woodlands School,
Birmingham, West Midlands

Funding Scheme: Education Social Enterprise
funding for LED Lighting

Technology: LED Lighting

Outcome: Revenue generated from
energy savings over the
project lifespan - £149,902

**Annual reduction
in CO₂ emissions
(tonne):**

29 tonnes

"The LED lighting has been amazing for Woodlands School. The quality of light and the removal of sensory challenges such as flickering and buzzing have helped us to meet our pupils' complex needs".

Iain Paterson - Head Teacher

Renewable Solutions is proud to be working with...



Supported by



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Working throughout the U.K.