



THE LIGHTING EXPERTS

Lighting the way to a brighter future

EDUCATION • INDUSTRIAL • WAREHOUSING • OFFICES • HOTELS

www.superiorecolighting.co.uk



SAVINGS OF UP TO 80% OFF YOUR ENERGY BILLS

As well as financial savings, plus a reduction in electricity usage, your organisation will also benefit from improved lighting levels, creating a lighter and brighter environment.



ABOUT US

LIGHTING THE WAY

Here at Superior Eco Lighting Systems Limited we provide nothing but the best in terms of product, workmanship and reliability which is perhaps why our company's history spans back to the eighties.

We are a family run company which spans three generations. Initially, we operated as an electrical company gradually branching out into a maintenance organisation on the back of these very high standards we have always prided ourselves on.

More recently, after 20 years of success, we became one of the first companies to recognise the direction that the commercial demographic would be heading and chose to take the principles and standards of our organisation into energy efficient solutions.

At this juncture, around 2010, we opened the door with energy efficient lighting products. When combined with our quality service that has set us apart for so long we found it once again to be a product that would deliver!

Since 2019, our focus is on energy efficiency lighting solutions and we now offer various different products and services that will make your business achieve its full energy efficiency potential.

Superior Eco 
Lighting Systems Limited



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For further information on any of our services,
visit our website at www.superiorecolighting.co.uk

LED BENEFITS

- LEDs contain no toxic chemicals or elements such as Mercury, which need to be disposed of safely.
- 100% of an LED is recyclable
- 95% of all energy used is converted into light.
- Light is more focused and not scattered in all directions like a traditional bulb.
- LEDs contain no moving or fragile parts, and are therefore more durable than traditional bulbs.



ENERGY EFFICIENCY FINDINGS

OAKWOOD HIGH SCHOOL

Existing CO₂ - 550 tonnes

Proposed CO₂ - 184 tonnes

CO₂ Savings - 366 tonnes

ECKINGTON SCHOOL

Existing CO₂ - 335 tonnes

Proposed CO₂ - 90 tonnes

CO₂ Saving - 245 tonnes

BRIGHOUSE SIXTH FORM

Existing CO₂ - 108 tonnes

Proposed CO₂ - 38 tonnes

CO₂ Saving - 70 tonnes

BENEFITS

SAVING MONEY AND THE ENVIRONMENT

From the beginning of April 2023 to April 2024 we have helped schools save **£567,369.88** just from switching them over from the old Fluorescents to brand new LED lights.

The lights that we install are UGR-19 compliant, which means they are antiglare/antiflicker, as we mostly work within schools these lights are much more beneficial as they cater to those who have sensory issues.

Studies have shown that LEDs can increase concentration and performance within schools, as the lights we install mirror natural daylight which is proven to increase student concentration and performance massively.

As a family ran company, we do not subcontract work to electricians. Our electricians are all in-house, meaning we can conduct night installations within schools, making them completely non-invasive.

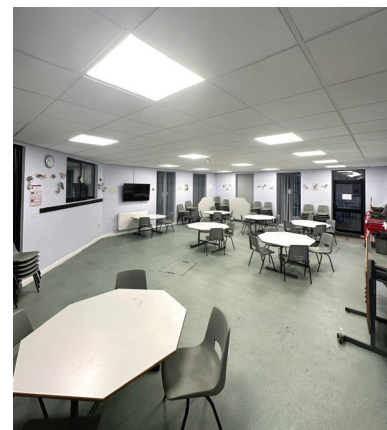
Here at Superior Eco, we offer a 7-year on site parts and labour warranty on all lights that we install.

BEFORE



AFTER

BEFORE



AFTER

REDUCED CARBON FOOTPRINT

We now live in a time where our carbon footprint is an important part of a business's environmental responsibility and corporate image. So, LED Lighting is a great opportunity to address the targets needed to reduce their carbon footprint.

NO MERCURY

Fluorescent lighting contains mercury and therefore has special disposal requirements, unlike LED bulbs. This is highlighted by a reduced WEEE Charge for LED lights.

REDUCED LIGHT POLLUTION

Light pollution is reduced when using LED Lighting, due to the bulbs producing directional light.

ZERO UV OR IR RADIATION

Traditional lighting over time can damage sensitive fabric or wallpaper, causing them to fade or discolour. LED light bulbs produce no ultra-violet or infra-red radiation.

DESIGNED TO FIT IN

Due to the vast array of retrofit LED products on the market, installing your new lighting system could be as simple as changing a light bulb. There are a few exceptions to this rule when dealing with "tube" lighting but this can be easily remedied.

IMPROVED LIGHT QUALITY

Unlike traditional lighting, LED lights do not flicker or strobe. They provide constant lighting, with high Light Rendering Index revealing "true colours" and Panel lights provide uniform blanket lighting.

INSTANT LIGHT AND DIMMABLE

LED Lights provide instant lighting, unlike Energy Saving CFL bulbs which take time to achieve full illumination. Systems can also be provided to control the amount of light in a specific environment with dimming controls.

ENVIRONMENT

DESIGN

MONEY
SAVING

HEALTH AND
SAFETY



SAVING YOU MONEY

LED Lighting provides the most efficient way of illumination, with an estimated energy efficiency of 80% - 90% when compared to traditional lighting.

THE LIGHT USED IS ALL YOU PAY FOR

Instead of throwing light in all directions, as traditional bulbs do, LED Lighting can be set in such a way that it only illuminates the areas that are required.

THE COST OF MAINTENANCE IS REDUCED

The cost of replacement is reduced as with LED bulbs you can get over 50,000 hours of illumination. This then sees a huge reduction in maintenance costs as with traditional lighting this can be quite expensive. This is even more obvious where lighting is hard to get to, such as stairwells, production lines or atriums.

SAFETY FIRST

Most top-quality LED light bulbs are made with strong plastic housings containing a solid array of LEDs. This can help industries where the broken glass from traditional bulb would normally cause them downtime in production. LEDs are a great alternative and can further reduce insurance costs.

HYGIENIC

Some LED lighting units come fully sealed, which means that dust and insects cannot gather inside the unit. These types of units are good for industries such as food processing factories, care homes and other health-conscious organisations.

REDUCED FIRE HAZARD AND RISK OF BURNS

LED bulbs do not produce what is called "cold" light. This can reduce the risk of burns and fire hazards, which in turn can help reduce insurance costs.



KEY SAVINGS



Energy reductions up to **80%**

Save thousands of **£'s** every year



LED Lifespan of **50,000** hours

Easy to **manage** and **maintain**



EDUCATION

CREATING A BRIGHT FUTURE

The education industry has always had a high cost for fitting and maintenance, so we usually find significant financial savings when moving over to energy efficient LED lighting. Older schools usually have a wide range of lighting products in their building, giving the facility a non-uniform look and an expensive and hard to manage maintenance process.

At Superior Eco Lighting Systems we provide schools with a range of top quality lighting solutions, so whether you are a primary school, or a University, we can provide the optimal solution to deliver the best results all round. Our design team will ascertain the best lighting solution for the school, and at the same time minimise the energy usage of the facility.

We aim to deliver a solution that provides the optimum lighting levels for all the areas of the building, without unnecessarily increasing the energy consumption. You can be assured that our team at Superior Eco Lighting Systems will deliver on the functionality, reliability and quality to ensure your school has the best lighting solution available.

To find out how much your school can save, visit our website at www.superiorecolighting.co.uk



SCHOOL LED FITTINGS INCLUDE:

- 7 Year Warranty - Parts and Labor
- LED Panels
- LED T8s
- LED Downlights
- LED 2D fittings
- LED Exit signs
- LED Strip lighting
- LED Emergency lights
- LED Classroom fittings



CUSTOMER BENEFITS

- Reduced energy costs with new energy efficient LED lighting.
- Lighting solution tailored to each school.
- Reduction of energy consumption and carbon footprint.
- Improved quality of life for students, staff and visitors.
- Lighting solution can be set to adapt automatically.
- Re-lamping maintenance need removed.



LED LIGHTING FACTS

- Light-emitting diode (LED) is a type of solid-state lighting that uses a semiconductor to convert electricity into light. LED bulbs can be 6 to 7 times more energy efficient than conventional incandescent lights, they cut energy use by up to 80%.
- LED bulbs have a useful life of 50,000 hours or more, meaning they last more than 25 times longer than traditional light bulbs.
- LEDs contain no mercury, meaning they have a much smaller environmental impact than any incandescent bulb.
- LEDs use energy extremely efficiently, with little wasted heat. This is unlike incandescent bulbs, which release 90% of their energy as heat.
- LEDs are used in educational facilities due to their ease of maintenance, resistance to breakage and ability to focus the light in a single direction instead of having scattered light.



INDUSTRIAL

At Superior, we aim to provide the Industrial sector with the best lighting solutions available on the market. With so many lighting needs for an industrial building, this provides Superior with a great opportunity to save a company money on energy and maintenance costs.

A lot of industrial units run outdated lighting which means expensive maintenance costs and high energy consumption. In addition, lumen degradation means that the lighting is below the recommended levels. At Superior, our team will look at the best lighting solution for the company to maximise the energy consumption reductions. We will also look at ways to reduce the overall maintenance costs for the building. This is how we are able to offer the best lighting solutions on the market.

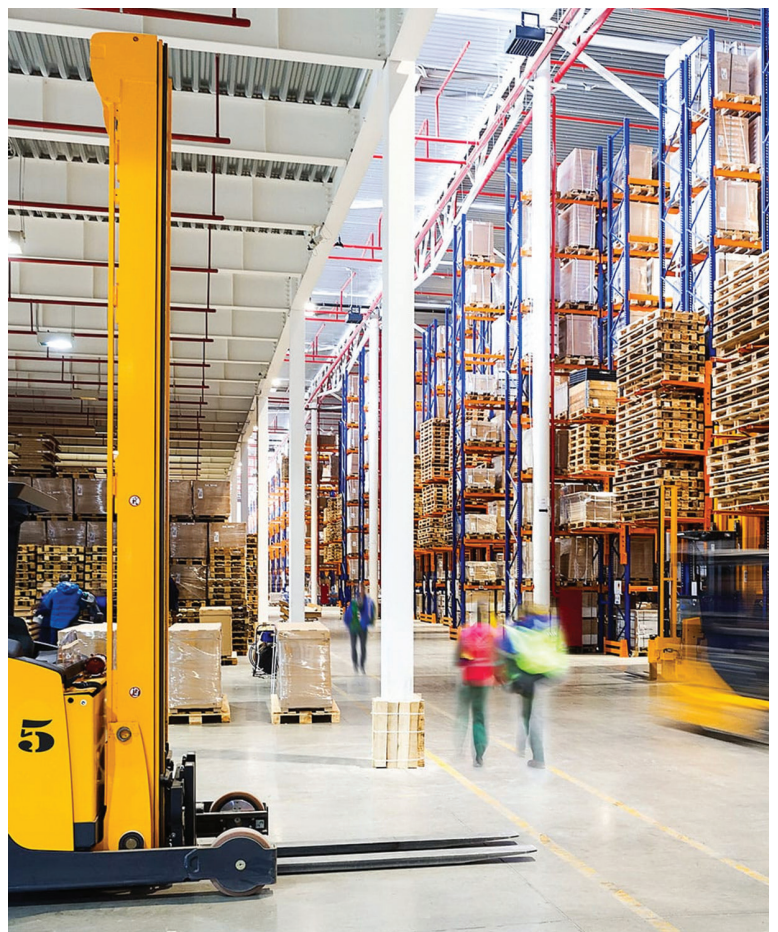
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WAREHOUSING

Warehouse lighting can easily be upgraded to LED products with minimal disruption to your organisation. This in turn will allow the company to see a massive difference in the energy consumption. Whether it is commercial or industrial storage, there is very little difference in the projects.

At Superior our goal is the same, to reduce the overall energy consumption while still maintain optimum levels for the lighting.

The key to providing the best lighting system is to focus on the areas that staff will be using, like the aisles and walkways. Our design team will focus on best products and lighting positions to provide the right solution for the company.

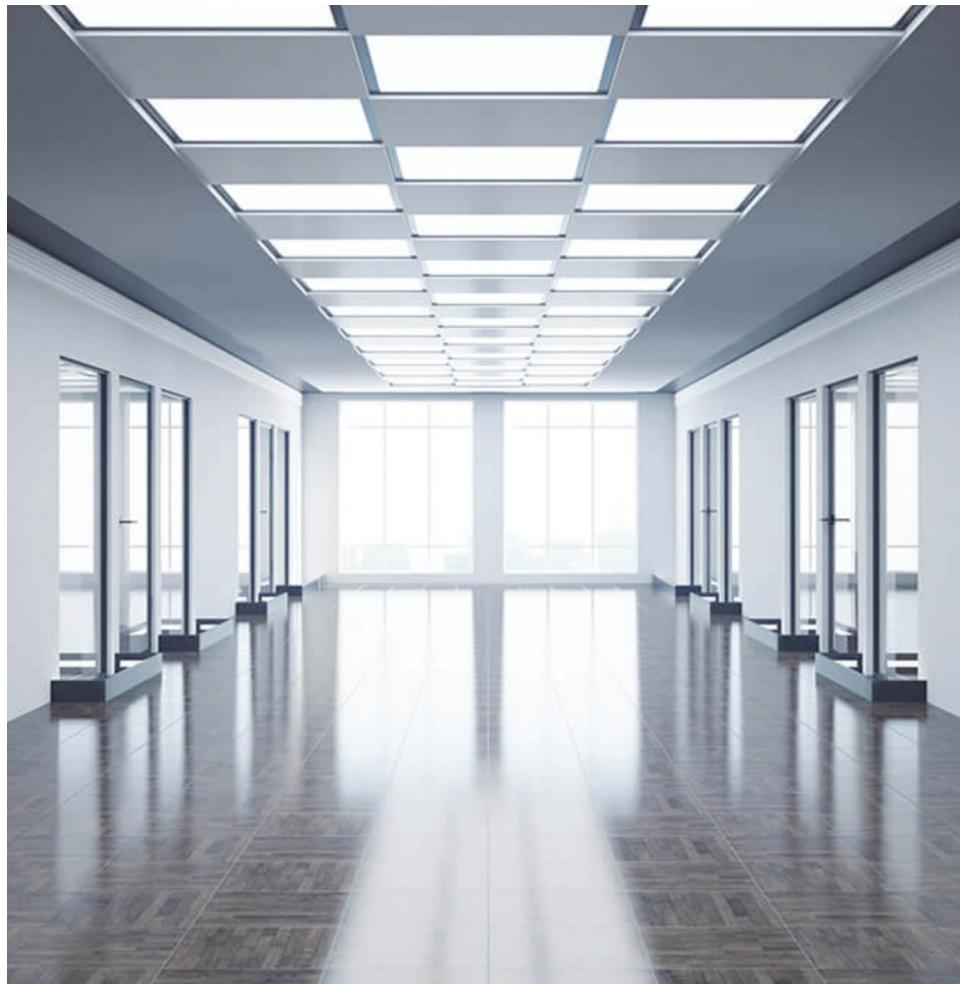


OFFICES

Due to the ever-changing way that the office environment works, including non-designated cubicles, handheld devices are being used as opposed to standard desktop computers, etc, lighting must move with the changes. At Superior, we focus on the needs of each project based on an office environment to make sure that the cost savings on energy consumption and maintenance are optimum for each business.

Our lighting design team will assess the working environment to calculate the best LED system required for the building to ensure the optimum is reached. We look at all factors in the existing environment including existing natural light levels, and then dim up or down to provide the best lighting needed. In doing this it provides the improved concentration levels for the staff and saves energy.

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HOTELS

Superior provides tailored solutions for the hotel industry, with each project we offer the best solution for their environment. We look at the visual needs of the client, as much as the cost savings we are aiming to achieve. The lighting products provided are suited to the look and style of the hotel and so our design team focus their attention on consultation with the company.

At Superior, we spend a lot of time making sure that the installation of the lighting system provided goes like clockwork. We do this by providing computer simulations which focus on the desired optimum lighting levels.

This can be anything from the exterior lighting, corridor lighting, the hotel restaurant and reception area lighting. We look at all areas of the hotel to provide the best lighting solution possible, which in turn provides the best reduction in energy consumption.

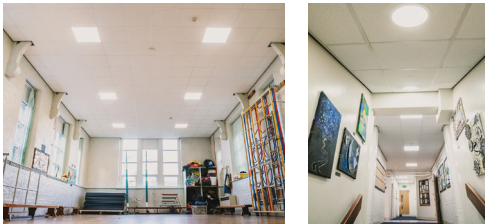


LED INSTALLATION AT LEE MOUNT PRIMARY SCHOOL

BEFORE



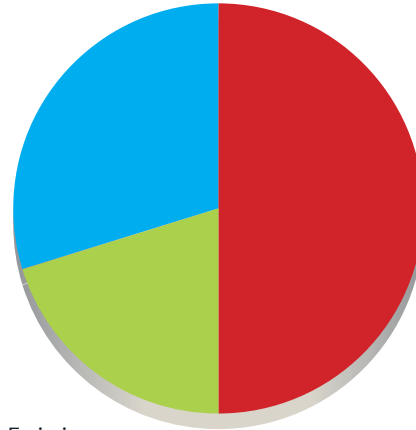
AFTER



SUPERIOR ECO LIGHTING ENERGY EFFICIENCY FINDINGS

Vast savings on carbon expenditure and energy costs are made with the help of our retro installation of LED lighting. Here are some findings from our free audit service.

CO₂ EMISSIONS PREDICTION



- Existing CO₂ Emissions
- Proposed CO₂ Emissions
- Savings

7 YEAR PROJECTION EXAMPLE

PROJECT DESCRIPTION / SPECIFICATION: Upgrade lighting to LED and save energy and maintenance costs.

It is assumed that the existing luminaires if not replaced will require to be relamped immediately and then according to the dictates of lamp life. We have included a nominal sum of £5 as labour costs to change lamps.

Usage Hours / Week: 50.00		Weeks / Year : 45		Electricity Cost / kwh: 12 pence		Energy inflation pa %: 3.00%	
Existing Lamps				Proposed Fittings			
Name	Qty	Lamp Changes	Cost per Lamp	Name	Qty	Lamp Changes	Cost per Lamp
5ft Fluorescent tube	281	2.13	£6.00	5ft LED Batten - Single	139	0.00	
4ft Fluorescent tube	8	2.13	£6.00	4ft LED Batten	7	0.00	
2ft Fluorescent tube	91	2.25	£5.00	LED Panel	155	0.00	
2D Bulkhead	61	2.25	£5.00	LED Bulkhead	61	0.00	
CPFL	120	2.25	£4.00	LED Flood	28	0.00	
Son	4	2.25	£8.00	Skydisc	4	0.00	
Metal Haylide	28	2.25	£8.00				
7 YEAR SUMMARY OF COSTS AND PAYBACK							
Existing CO2 Emissions Tonnes 209		Proposed CO2 Emissions Tonnes 63				Saving 146	
Existing Electricity Cost £49,316.00		Proposed Electricity Cost £14,734.00				Saving £34,582.00	
Existing Replacement Lamp Costs £7,051.00		Proposed Replacement Lamp Costs £ -				Saving £7,051.00	
Existing Maintenance Costs £6,491.00		Proposed Maintenance Costs £ -				Saving £6,491.00	
Existing Total £62,858.00		Proposed Total £14,734.00				Total 7yr Saving £48,124.00	
						Total Annual Saving £9,625.00	
Total LSP Value £41,370.00				Service Period (Months) 60			
				Monthly Payments £689.50			

* Please note: The above figures are an example of the savings that can be achieved, and do not apply to Lee Mount Primary School

Superior Eco Lighting Systems Limited are a lighting company with a difference. Our service is a complete consultancy allowing you to have the best quality and most efficient lighting solutions without the time consuming survey and quotation process. We will take your premises lighting to new levels. Starting with your initial vision, we will manage the entire project from conception to completion, ensuring the minimum disruption to your day-to-day running.

Our trained team can also advise and complete lengthy applications for finance, making the process simple and stress free. We have considerable experience in working in environments which require evening and weekend installation. Our bespoke installs allow schools and retail premises to operate as normal meaning that savings can start today.

Superior Eco Lighting Systems, the complete lighting consultancy.





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