

Powerlite® Fitzgerald

AGRICULTURAL LIGHTING SOLUTIONS

Designed & Manufactured in Yorkshire

Member of theLIA

MADE IN BRITAIN

Innovating and manufacturing sustainable lighting in the UK for almost 40 years

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ABOUT

POWERLITE FITZGERALD

For four decades Powerlite Fitzgerald has been at the forefront of UK lighting design and manufacture. Building enduring relationships with clients, we provide quality, efficiency and reliability, with a commitment to excellence.

From initial design to final manufacturing – we keep it under one roof, delivering everything from our standard range to complex, bespoke work. Committed to customers, we strive for continued product development, investing in machinery and honing internal processes to deliver excellence constantly.

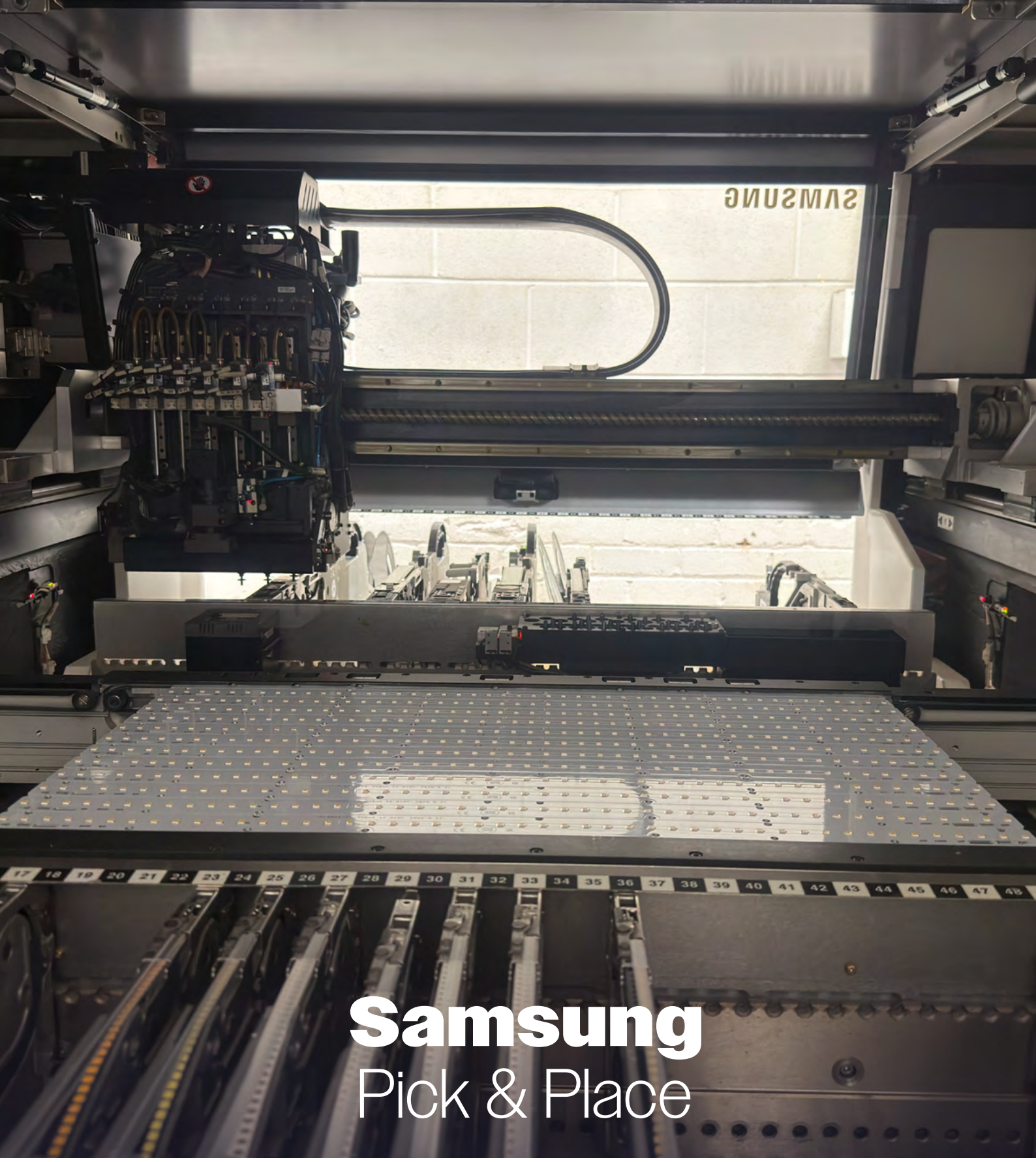


Salvagnini
Panel Bender



Salvagnini
Laser

With more than 40 years' experience, we know our stuff. We manufacture everything in-house from our Yorkshire HQ, and in 2025 alone we designed and manufactured 200 separate bespoke solutions—that's roughly 4 tailored solutions a week. On top of that, we produced 20 million LEDs. So no matter the project, we can back you at every stage and deliver a complete solution that works.



Samsung
Pick & Place

Designed by Us

All our agricultural solutions are designed and built in-house to meet your exact requirements, with each one refined to deliver reliable, long-lasting performance.

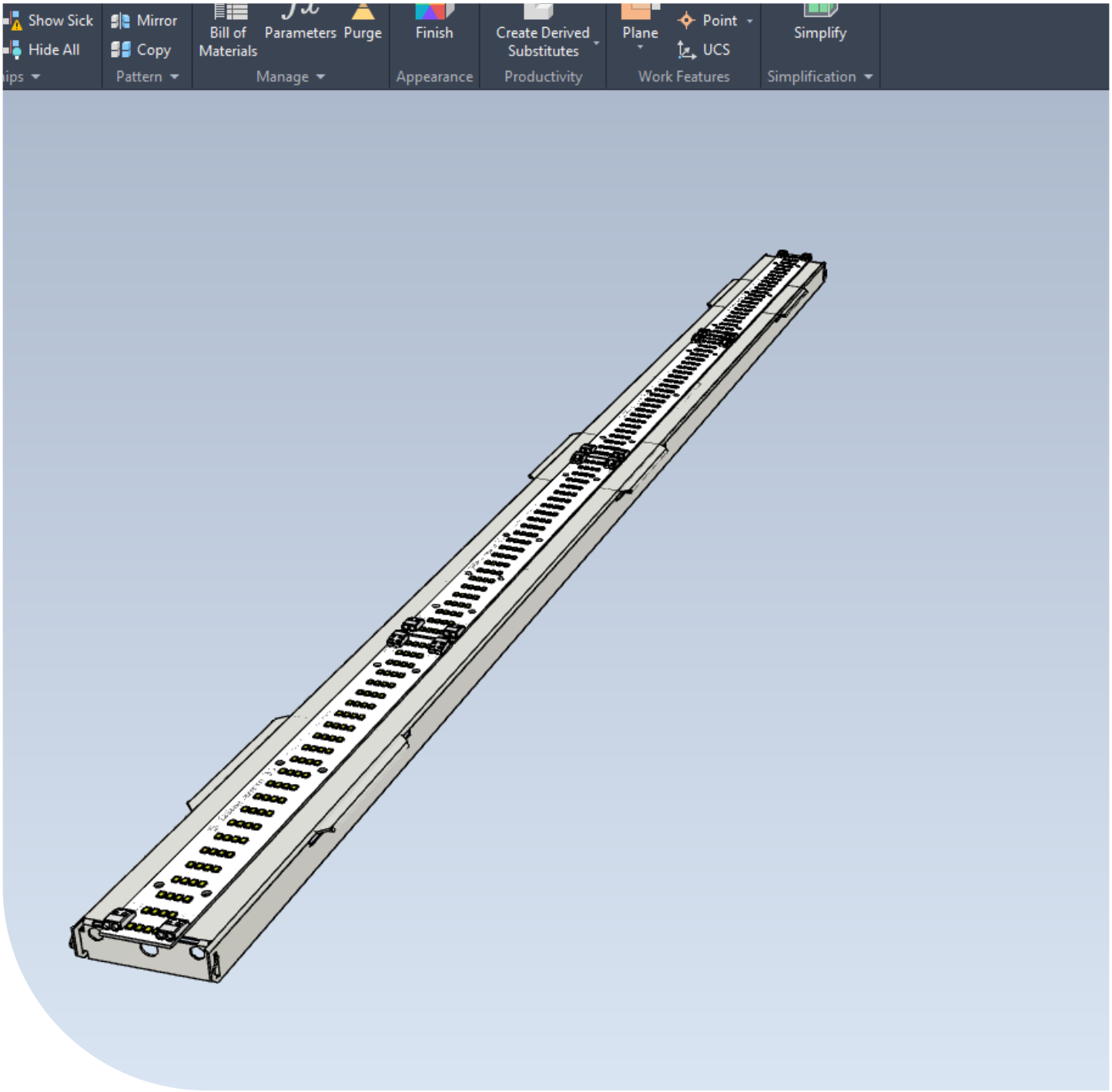
Built. Tested. Ready for you

Every fitting goes through our production and testing process—so that by the time it leaves our factory, it's tried and tested, ready for you.

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RETROFIT AGRICULTURAL SOLUTIONS





UK Manufacturing

All our manufacturing takes place at our Yorkshire headquarters. From LED board production to Salvagnini laser cutting and panel bending, we have the tools and expertise to create sustainable retrofit solutions.

Environmentally Friendly

LED retrofit gear trays are a modular, sustainable way to upgrade existing lighting while keeping the original fittings. This provides an environmentally friendly solution that reduces energy use and lowers embodied carbon emissions.

In-House Design Team

Your personal sales representative will work closely with you to understand the project's requirements. Our team of experts will then design the perfect solution for the projects—as a UK manufacturer, this means the design will be back to you in under 10 days.

Cost-Effective Efficient Solution

Retrofitting helps keep the existing setup while improving energy efficiency, allowing you to upgrade without the heavy cost of replacing everything.



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THE CHROMA SYSTEM

Integration

Our Chroma System makes upgrades simple, working with existing livestock controls for a cost-effective, sustainable solution. Alternatively, choose our modern touch-panel system, customised by our engineers to your exact requirements.

Time to market

We know your time is valuable, which is why our market-leading Chroma System helps shorten time to market. With advanced controls and customisation, it allows you to fine-tune lighting schedules to support feed rates and guide birds into rest periods.

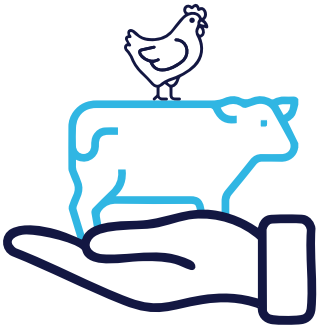


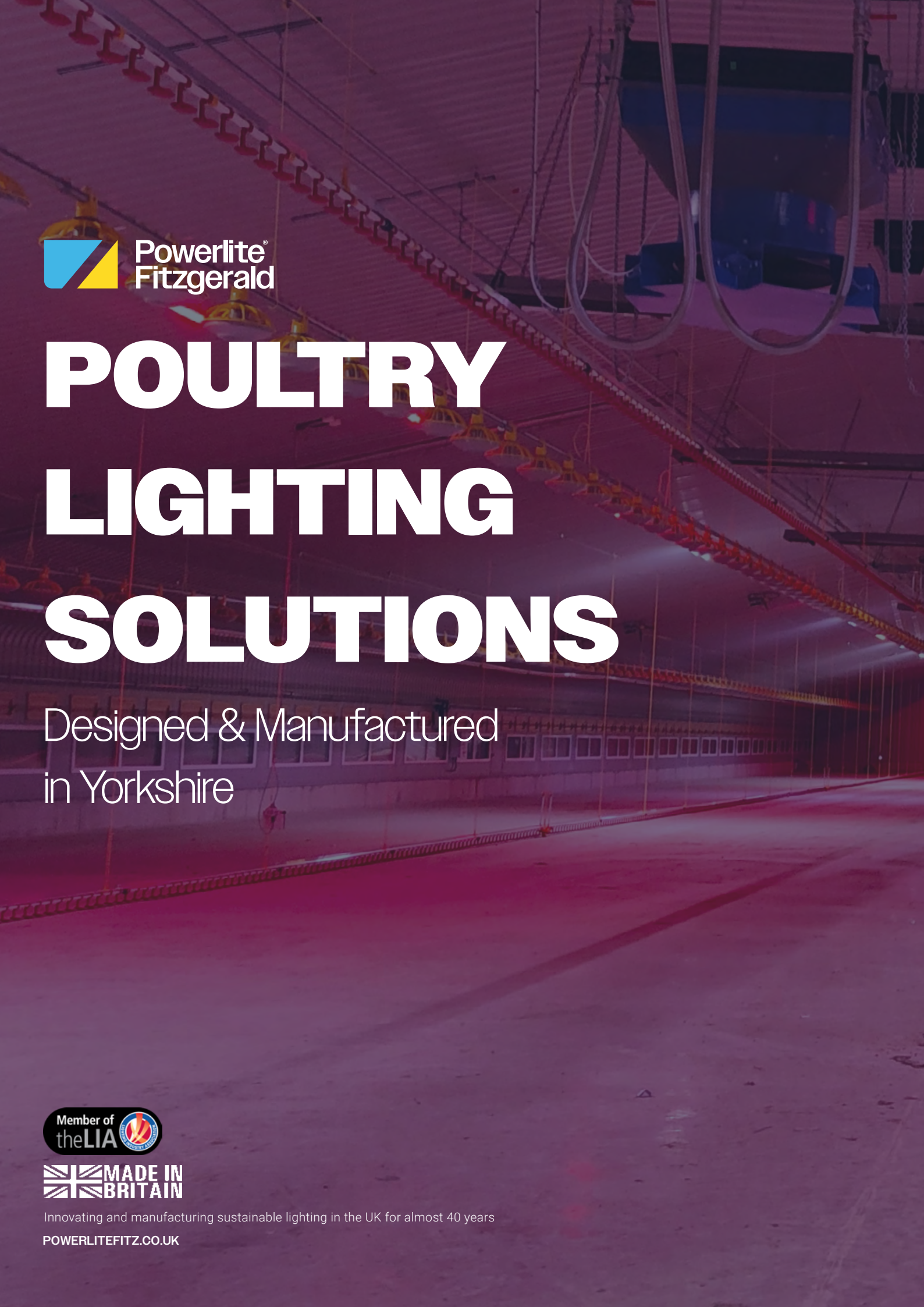
Dynamic Lighting

A successful farm demands smart, modern lighting. Our Chroma System lets you customise colours, zones and groups, with individual dimming to help create natural lighting conditions and support animal welfare.

Improved Welfare

The Chroma system is designed not just to increase your farm's yield but also to improve animal welfare. For poultry environments, its independent colour channels help reduce pecking in chickens and promote better leg health.





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POULTRY LIGHTING SOLUTIONS

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LED LIGHTING IN POULTRY ENVIRONMENTS



Up to 5% Increase
in egg production

Up to 80% Reduction
in energy saved

Significant Increase
in Welfare



Broilers

Cool white light benefits young broilers by supporting steady growth and maximum feed efficiency, while the transition to warm white as they mature promotes calmness and supports strong legs and overall health. Our Chroma system further assists during handling by keeping them relaxed, encouraging gentle movement and reducing the time they spend sitting still.

Parent Stock

Warm white light benefits your parent stock by encouraging egg laying, improving hatchability, and helping the hens stay calm, while our Chroma system further assists during handling by keeping them relaxed, encouraging gentle movement, and reducing the time they spend sitting still.

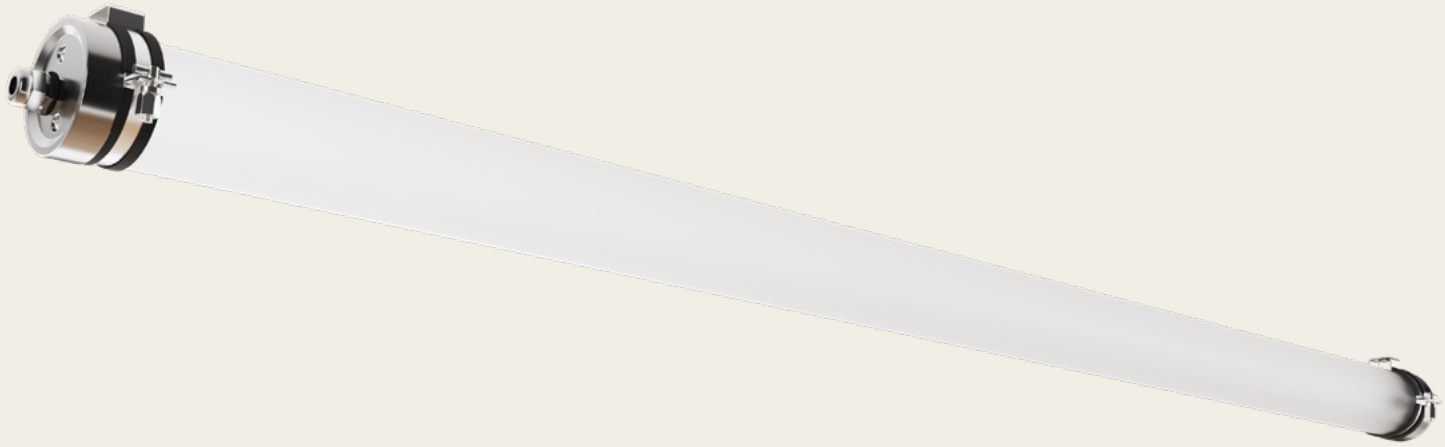
Laying Hens

For your laying hens, utilising warm white light is a smart way to both boost egg production and promote a noticeably calmer environment. Our specialised Chroma system plays a vital role in maintaining hen calmness, specifically during handling, which encourages gentle movement and significantly reduces the time birds spend simply sitting still.

Rearing

During the rearing process, cool white encourages steady development. Warm white helps reduce activity, keeping hens calmer. Our Chroma system also helps during handling, keeping hens relaxed. It encourages gentle movement and reduces the time they spend sitting still.

POULTRY LIGHTING
POLLUX



Pollux

A versatile poultry livestock lighting system for improving the production and welfare of hens in agricultural settings. Dustproof, moisture resistant, and washdown ready, it delivers long lasting performance while supporting bird welfare and improving production.

- Chroma System Option available
- IP69K
- Customisable Poultry Spectra
- Fixed & tunable CCT available
- High CRI options
- Wide optics as standard
- Ammonia resistant
- PMMA construction
- Customisable optics available

POULTRY LIGHTING
GALLINA



Gallina

A robust GRP luminaire designed for demanding poultry environments. Built for long-term use, it can be mounted directly to walls or ceilings and withstands the challenges of livestock housing.

- Chroma System Option available
- Customisable Poultry Spectra
- Fixed & tunable CCT available
- High CRI options
- Wide optics as standard
- Ammonia resistant
- GRP body
- PMMA diffusers
- IP65

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POULTRY LIGHTING SOLUTION

CASE STUDY



Innovating and manufacturing sustainable lighting in the UK for almost 40 years

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The Problem

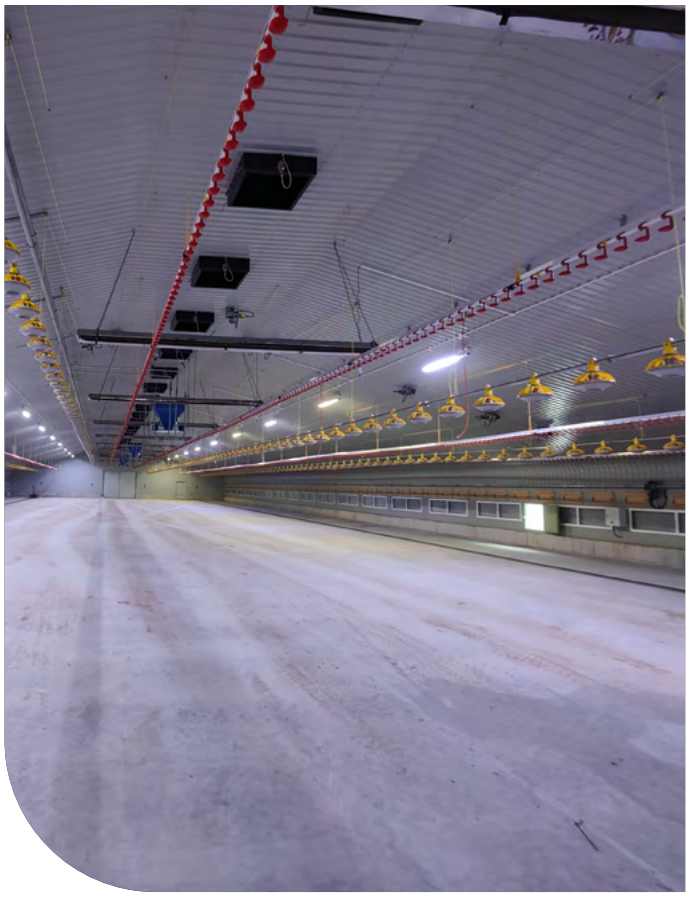
Existing lighting was insufficient due to old age and outdated tech. However, their mission and values demanded an LED upgrade and solution to raise healthier chickens.

Our Solution

Our team collaborated with the wholesaler and end client to deliver a solution that supported the farm's goal of raising healthier chickens.

Using dimmable sensors and LED upgrade, integrated with a sceneCOM interface, we reduced stress, improved animal wellbeing, enabled adjustable colour spectrums and saved energy.

After installation, the client noticed a decrease in mortality rates and a 10% improved yield.



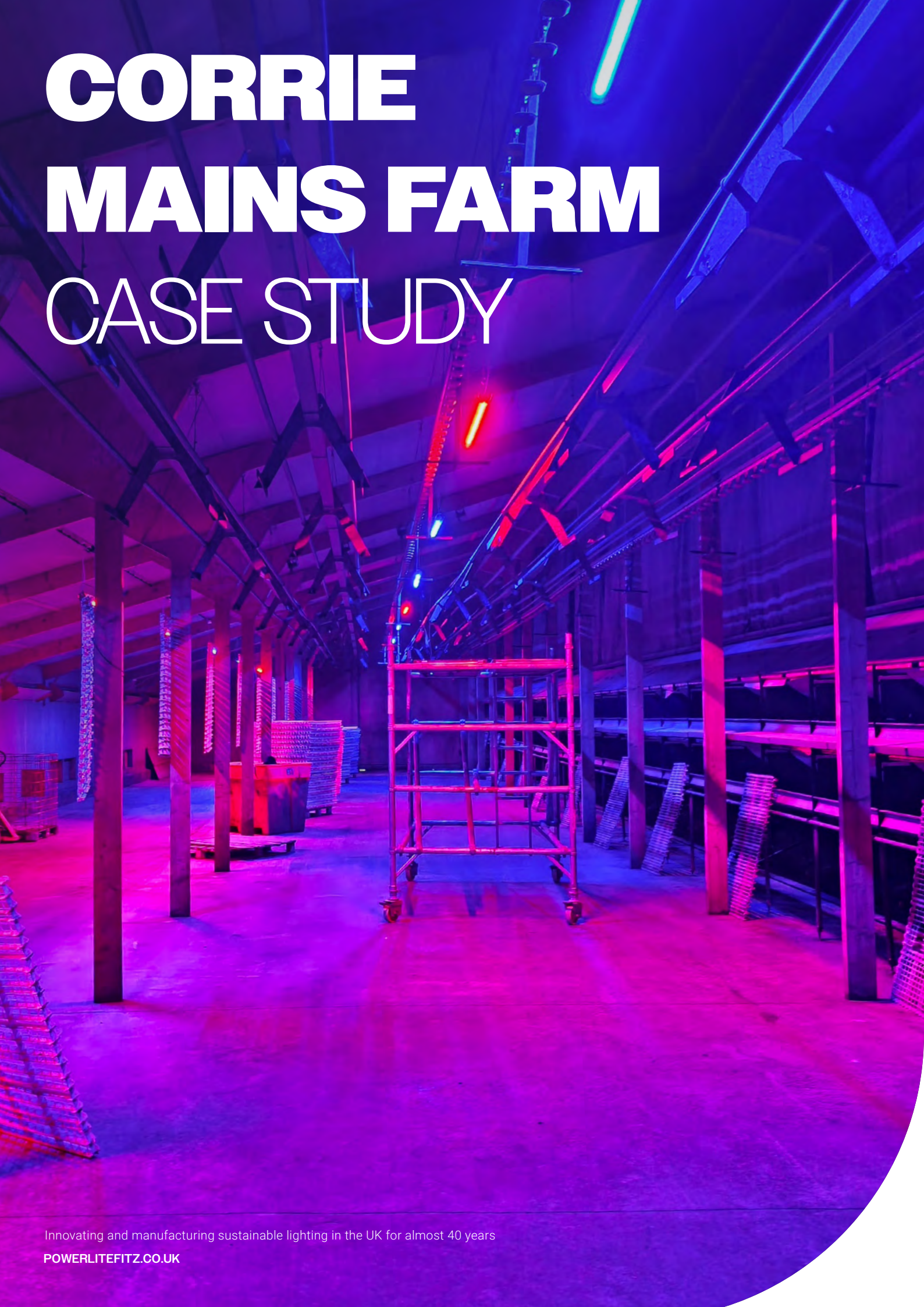


Key Insights

- Design, manufacture and supply of over 1,000 bespoke fittings
- Decreased mortality rate
- Increased client yield of almost 10%
- 50% energy saving
- Improved welfare of 10,000,000 chickens.

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CORRIE MAINS FARM CASE STUDY



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The Problem

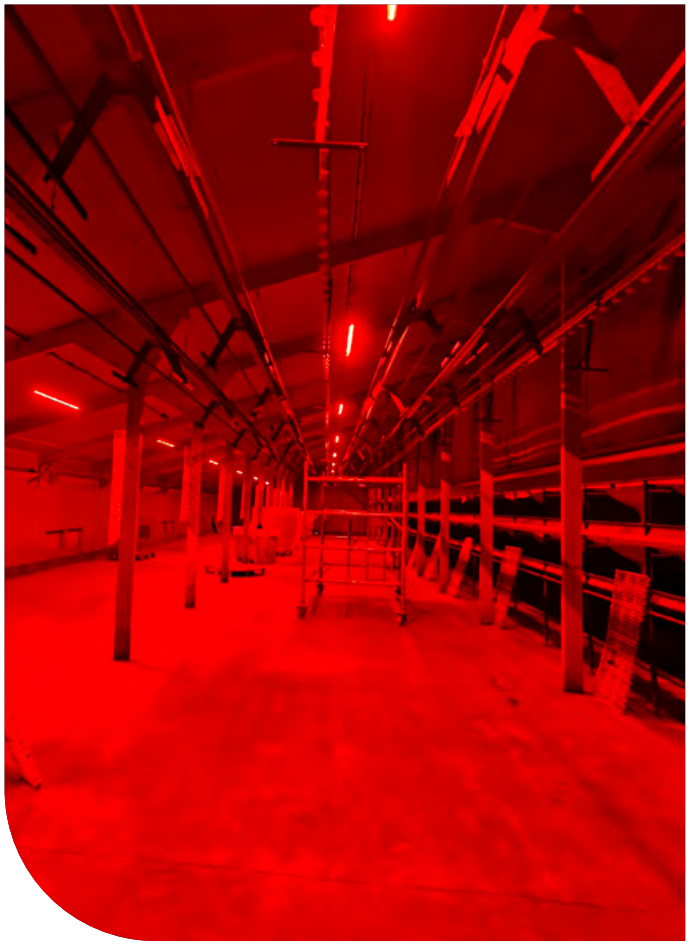
Established in 1996, Corrie Mains is a multi-award-winning farm in Scotland. Starting with just 800 hens, the farm has grown to 20,000, creating a need for a lighting solution that supports the health and well-being of its hens.

Our Solution

From our Yorkshire headquarters, we designed and manufactured an industry-leading lighting system specifically for poultry environments.

Our team of engineers installed the Chroma system on-site and configured tailored lighting scenes, providing the farmer with simple lighting controls.

Our Chroma system helped Corrie Mains Eggs increase their yield while improving the welfare of their chickens.





Key Insights

- Installed and setup our Chroma system onsite for simple lighting control.
- Programmed lighting scenes to meet customer requirements.
- Created a bespoke lighting design using our Chroma system.
- Improved chicken welfare.

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CATTLE LIGHTING SOLUTIONS

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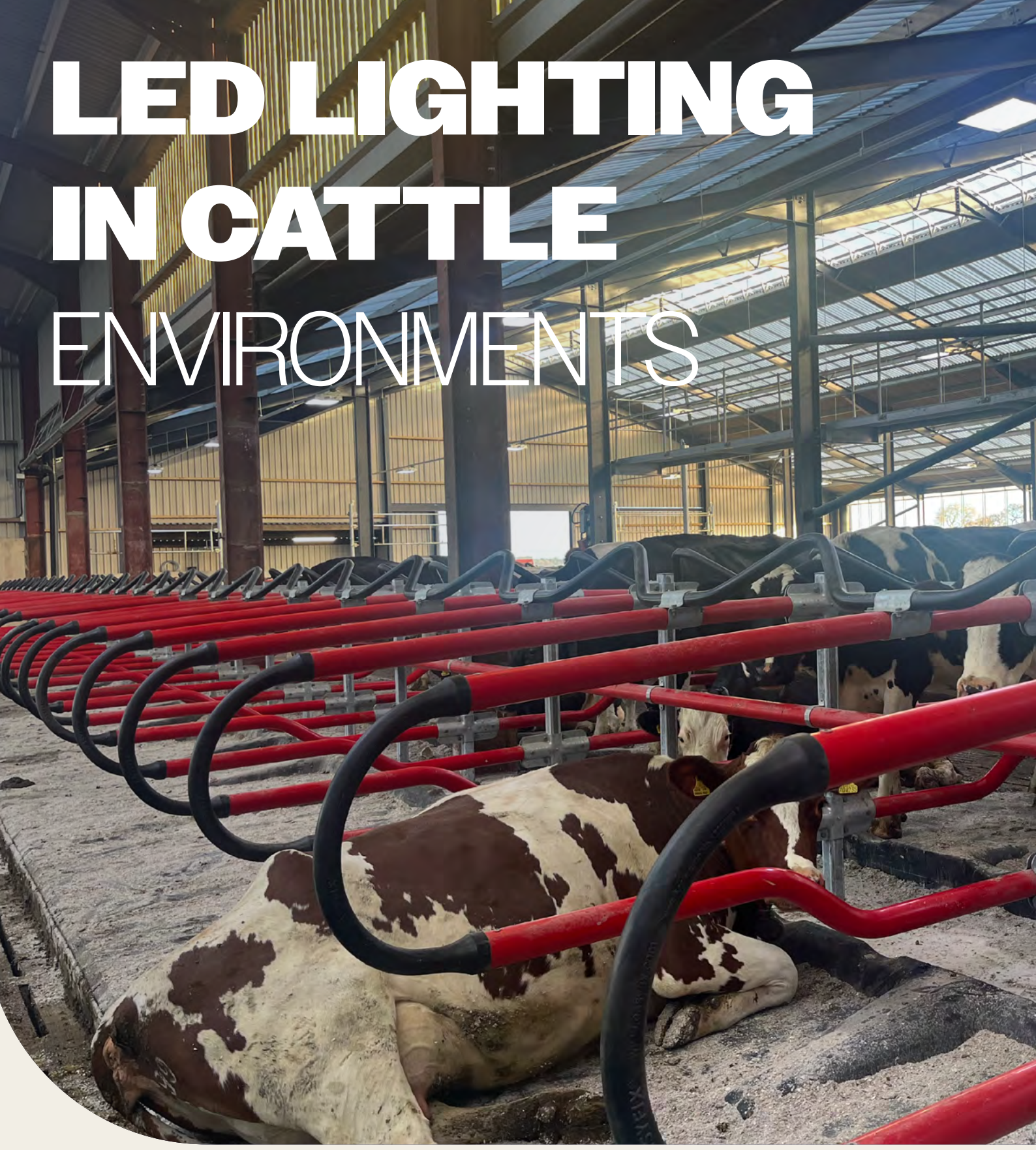
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LED LIGHTING IN CATTLE ENVIRONMENTS



Up to 10% Increase
in milk production

Up to 80% Reduction
in energy saved

Significant Increase
in Welfare



For the Farmer

Choosing LEDs is an easy way to make your farm more efficient and productive. They have an increased lifespan, so you spend less time on maintenance and more time on the things that matter. For those night-time checks, a gentle red light lets you see without disturbing the cows' rest period, keeping their comfort front and centre. It's truly a modern, practical choice that works with the natural rhythms of the farm.

For the Cows

LED lighting is a natural, gentle way to help your herd thrive. By mimicking the long, bright days of summer, our chroma system is designed to support a cow's natural rhythm and can encourage up to 10% more production. The steady, flicker-free light creates a calmer, more comfortable environment, helping cows feel settled and secure. This leads to a happier, healthier herd.

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CATTLE LIGHTING
VACCA

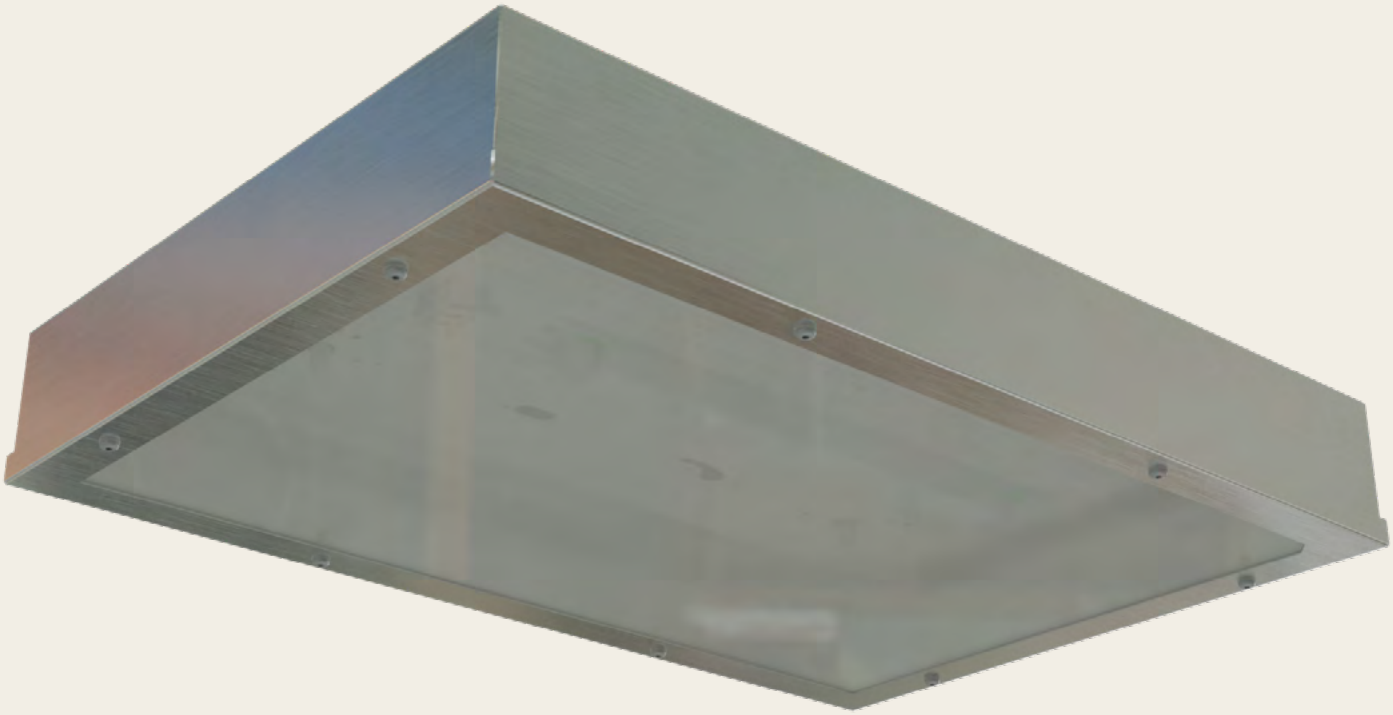


Vacca

A robust GRP luminaire designed for demanding cattle environments. Built for long-term use, it can be mounted directly to walls or ceilings and withstands the challenges of livestock housing. Suitable for both internal and covered external areas, it comes with durable fixing clips and stainless steel fasteners as standard.

- Chroma System Option available
- Customisable Cattle Spectra
- Fixed & tunable CCT available
- High CRI options
- Stainless steel clips as standard
- Includes flicker free driver
- Frosted diffuser
- IP65
- Red Nightlight option available

CATTLE LIGHTING
BOVIS



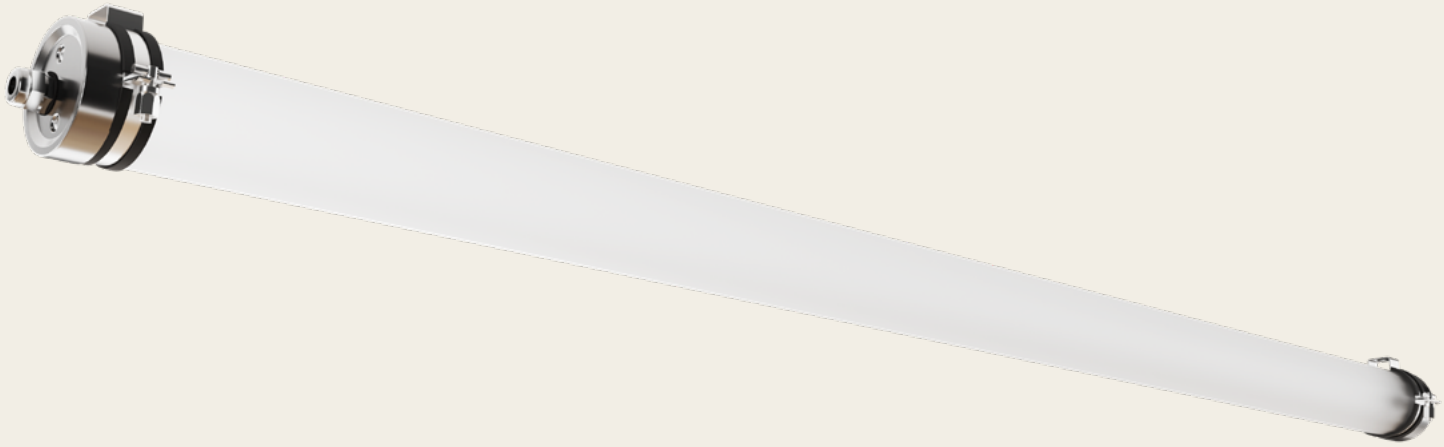
Bovis

A versatile cattle lighting system built in a fully welded stainless steel lowbay body. IP65 rated for agricultural environments, it withstands dust and moisture while supporting cattle welfare and improving production.

- Chroma System Option available
- Customisable Cattle Spectra
- Fixed & tunable CCT available
- High CRI options
- Frosted LED diffuser
- Supplied with Eyebolts for simple hanging installation
- Fully welded stainless steel housing
- Pre-wired with 1M PVC flex via M20 cable gland

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CATTLE LIGHTING
BOS



Bos

A versatile cattle lighting system for cows in agricultural settings. Dustproof, moisture resistant, and washdown ready, it delivers long lasting performance while supporting cattle welfare.

- Chroma System Option available
- IP69K
- Customisable Cattle Spectra
- Fixed & tunable CCT available
- High CRI options
- Wide optics as standard
- Ammonia resistant
- PMMA construction
- Customisable optics available



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CARDEW HALL

CASE STUDY

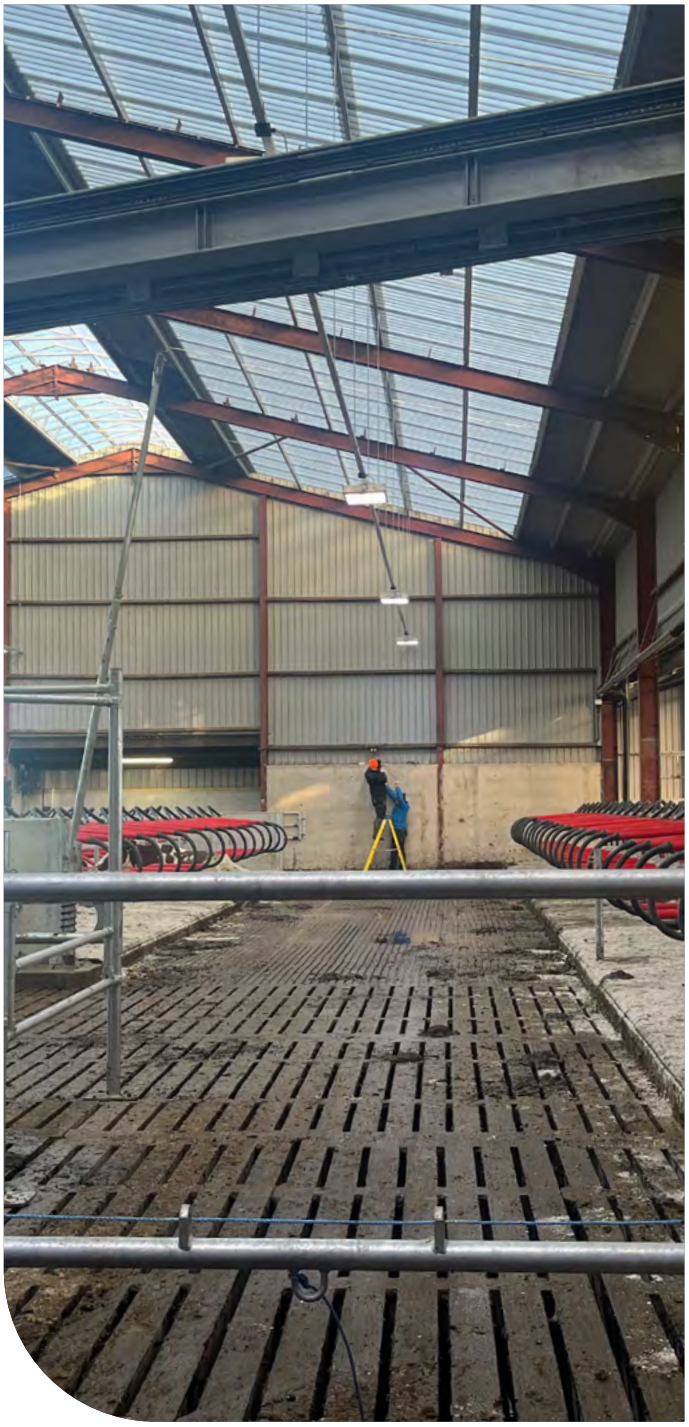


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The Problem

The prestigious Cardew Hall Farm, with a history dating back to the 16th century, required a new cattle shed lighting system as part of its ongoing farm modernisation project.



Our Solution

Our team began by creating a bespoke lighting design, so each cattle shed achieved the required light levels to create a safe environment for both livestock and farm workers.

At our Yorkshire headquarters, we manufactured our industry-leading Bovis luminaire. Designed with unique light spectrums tailored for dairy farms, the Bovis helped increase milk production by 8% through spectrums that suppress melatonin.

We programmed each luminaire with HubSense smart lighting controls, allowing light levels to reduce automatically as natural daylight increased, providing significant energy savings. In the evening, the luminaires are programmed to switch from daylight to red light, allowing the cattle to relax while providing sufficient lighting for farm workers.



Key Insights

- Increased milk production by 8%
- Improved cattle welfare
- Reduced energy consumption by 75% using HubSense controls
- Designed & manufactured in Yorkshire

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SWINE LIGHTING SOLUTIONS

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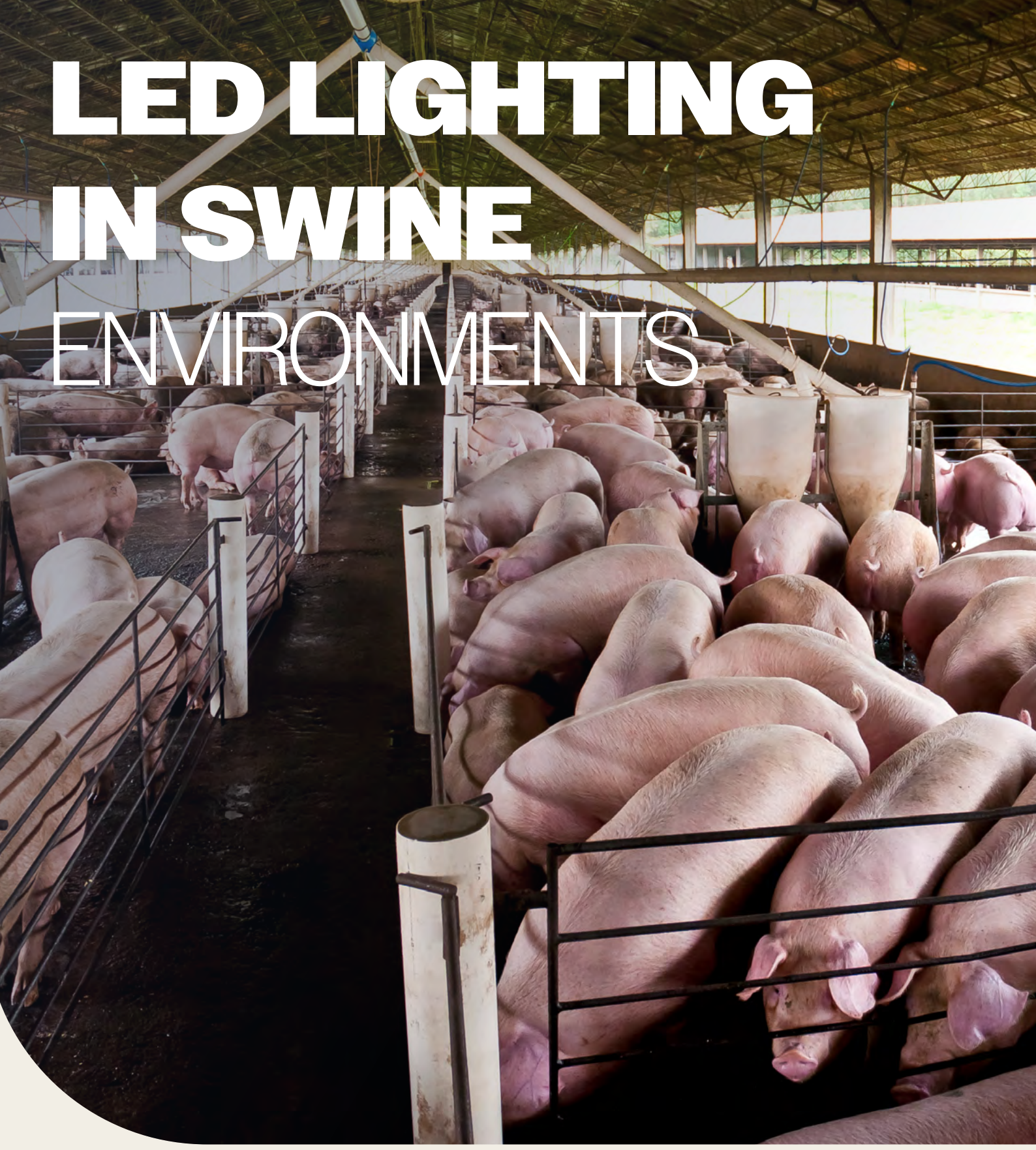
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LED LIGHTING IN SWINE ENVIRONMENTS



Up to 15% Increase
in average daily gain

Up to 80% Reduction
in energy saved

Significant Increase
in Welfare



For the Farmer

Smart lighting helps modernise your farm and makes daily work easier. Our systems are designed to benefit both you and your animals. You can set up different lighting zones within each pen — allowing customisable lighting setups over the various areas. This setup encourages cleaner pens and supports better hygiene and animal welfare.

For the Pigs

Pigs rest at night and are active during the day, so lighting should follow their natural rhythm. With modern, dimmable lighting systems, you can automatically manage a day and night cycle. Adjusting light levels helps pigs regulate hormones like cortisol and melatonin, improving welfare, behaviour, and overall health.

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PIG LIGHTING
SUS

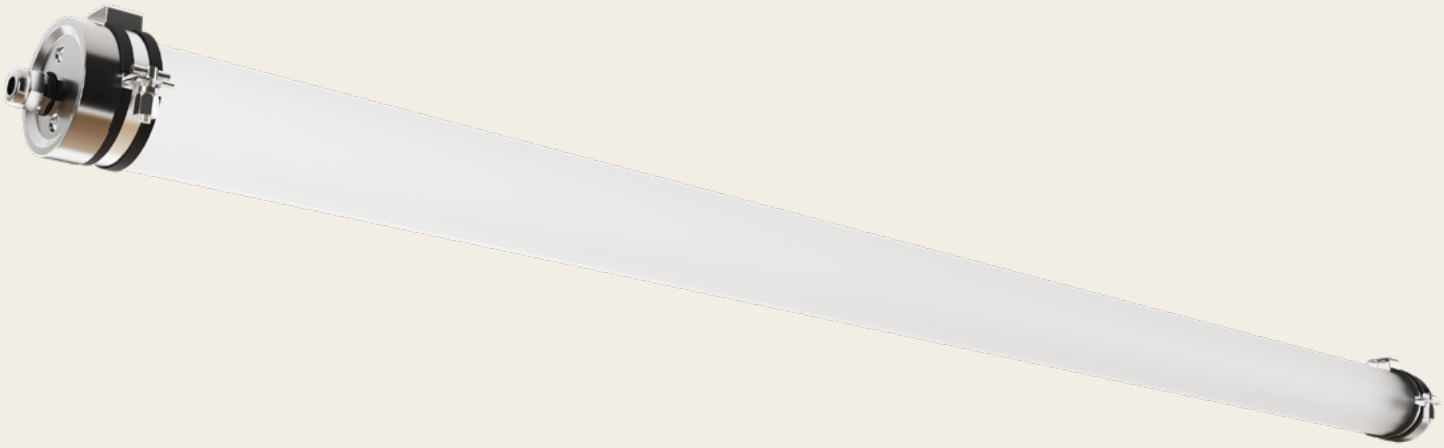


Sus

A robust GRP luminaire designed for demanding pig farm environments. Built for long-term use, it can be mounted directly to walls or ceilings and withstands the challenges of the environment. Suitable for both internal and covered external areas, it comes with durable fixing clips and stainless steel fasteners as standard.

- Chroma System Option available
- Customisable Pig Spectra
- Fixed & tunable CCT available
- High CRI options
- Stainless steel clips as standard
- Includes flicker free driver
- Frosted diffuser
- Customer selectable output
- IP65

PIG LIGHTING
PORCUS



Porcus

A versatile pig lighting system for pigs in agricultural settings. Dustproof, moisture resistant, and washdown ready, it delivers long lasting performance while supporting pig welfare.

- Chroma System Option available
- IP69K
- Customisable Pig Spectra
- Fixed & tunable CCT available
- High CRI options
- Wide optics as standard
- Ammonia resistant
- PMMA construction
- Customisable optics available

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EQUINE LIGHTING SOLUTIONS

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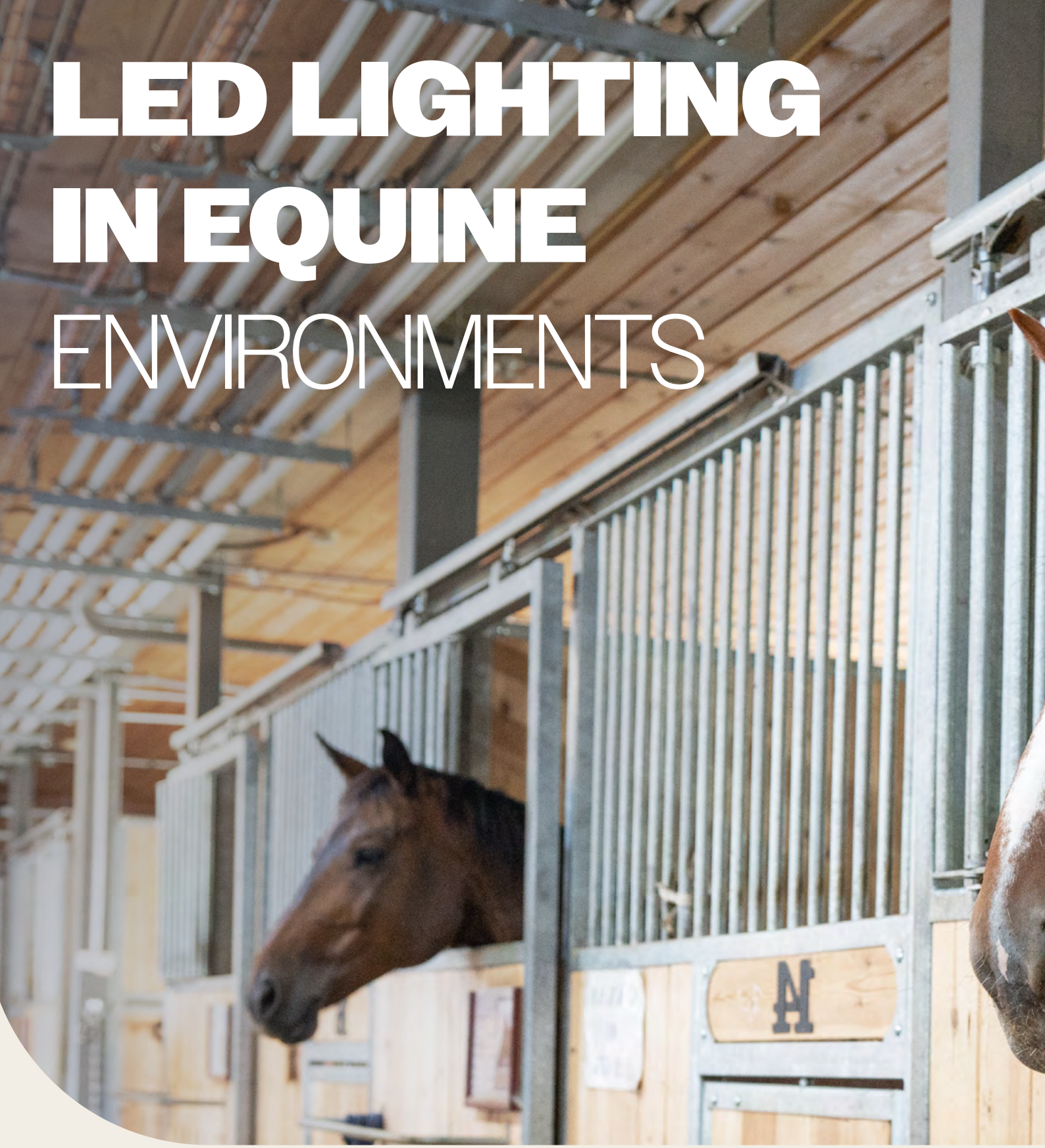
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LED LIGHTING IN EQUINE ENVIRONMENTS



Up to 15% Increase
in training performance & alertness

Up to 80% Reduction
in energy saved

Significant Increase
in Welfare



Improved Safety

Flicker-free, evenly distributed lighting improves visibility for both horses and handlers, lowering the risk of accidents and sudden startle responses.

Improved Wellbeing

Full-spectrum LEDs support your horses' natural rhythms, helping with coat shedding, breeding, and overall wellbeing. High-Kelvin-colour-temperature light with a high CRI (Colour Rendering Index) encourages daytime activity and alertness, while warmer, low-Kelvin light in the evening helps them relax and rest comfortably.

Reduced Vices

LED lighting helps horses follow natural day and night rhythms, reducing stress-related behaviours. High-Kelvin-colour-temperature with high CRI (Colour Rendering Index) LEDs with extra blue encourages alertness and activity, while warmer Kelvin at night allows for calm rest.

Improved Vision

Horses see blues and greens most clearly, so high-blue LEDs appear brighter to them. Choosing the right spectrum enhances depth perception and colour recognition, supporting safe movement and training.

EQUINE LIGHTING
EQUUS

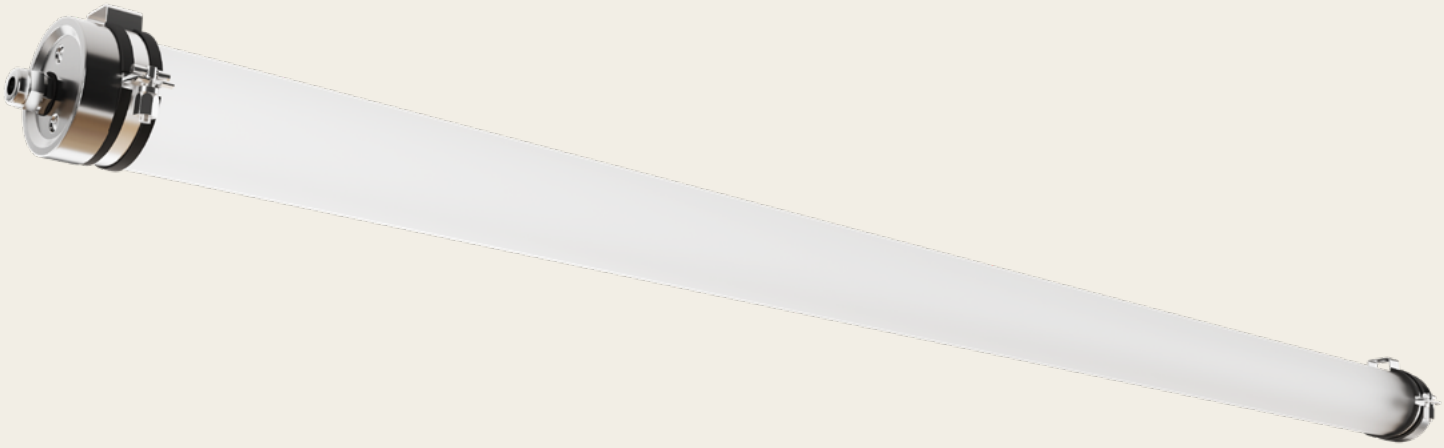


Equus

A robust GRP luminaire designed for demanding environments. Built for long-term use, it can be mounted directly to walls or ceilings and withstands the challenges of the environment. Suitable for both internal and covered external areas, it comes with durable fixing clips and stainless steel fasteners as standard.

- Chroma System Option available
- Customisable Equine Spectra
- Fixed & tunable CCT available
- High CRI options
- Stainless steel clips as standard
- Includes flicker free driver
- Frosted diffuser
- Customer selectable output
- IP65

EQUINE LIGHTING
CABALLUS



Caballus

A versatile horse lighting system for horses in agricultural settings. Dustproof, moisture resistant, and washdown ready, it delivers long lasting performance while supporting horse welfare.

- Chroma System Option available
- IP69K
- Customisable Equine Spectra
- Fixed & tunable CCT available
- High CRI options
- Wide optics as standard
- Ammonia resistant
- PMMA construction
- Customisable optics available

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OUTDOOR LIGHTING SOLUTIONS

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Up to 500% Increase
in lighting lifespan

Up to 80% Reduction
in energy saved

Significant Increase
In worker safety



Enhanced Safety

Our low-glare fittings provide clear, even light across yards, sheds, and outdoor areas, helping reduce the risk of slips and accidents. With CCT options from 1800K to 2700K, you get warm, comfortable light that reduces glare and eye strain, making early mornings and late evenings safer and easier to work in.

Controls

Smart controls make any outdoor lighting setup more efficient—reducing your energy consumption and helping you achieve your energy goals. We offer everything from simple dim-down controls to advanced systems that adjust for daylight and motion.

Dark Sky Compliant

Regulations have changed, and dark sky compliance is now key. Our Chroma system supports animal welfare on farms, and our exterior dark sky fittings do the same for wildlife. As a UK manufacturer, we can offer warm colour temperatures between 1800K and 2700K, reducing the impact on wildlife and light pollution.

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OUTDOOR LIGHTING

REGOR 6



Regor 6

High quality floodlight constructed from polycarbonate and stainless steel. Non-corrosive construction, ideal for coastal areas and swimming pool installations.

- Available with Dimmable controls
- Available with Photocell
- Tough polycarbonate UV resistant housing
- Tridonic constant current control gear
- Stainless steel bracket
- Excellent passive thermal control
- IP65
- 1800K - 2700K LED Options

OUTDOOR LIGHTING
URBAN ROUND



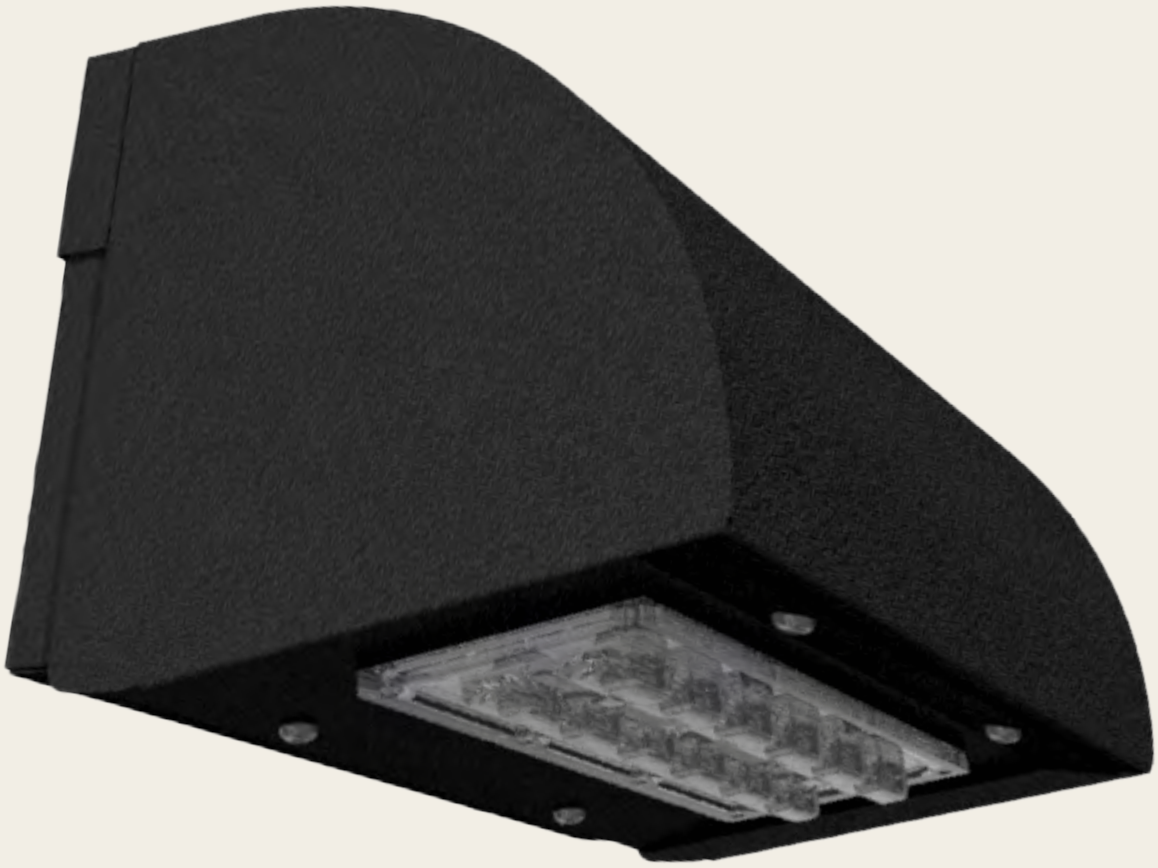
Urban Round

A die-cast aluminium IP65 fitting. It features side conduit entries and has an eyelid option.

- Available with Dimmable controls
- Available with Photocell
- Die-cast aluminium base
- Side and top conduit entries
- Security screw option
- Integral sensor options
- IP65 & IK10
- Black finish available
- 1800K - 2700K LED Options

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DARK SKY LIGHTING
URBAN PATH



Urban path

The Urban Path is manufactured using high grade seam welded steel, designed to be dark sky compliant and available with a Path, Street or Flood optic. Integral sensor and emergency options. Rated IP65 & IK10+

- Integral photocell option
- Available with Dimmable controls
- Dark sky compliant
- Top/side conduit entry
- Textured black paint as standard
- Anti-tamper screws
- Bespoke RAL colours
- IP65 & IK10+
- 1800K - 2700K LED Options

DARK SKY LIGHTING
REGOR 11



Regor 11

The Regor 11 is the ultimate dark sky complaint LED solution for traditional SON and metal halide floodlight fixtures, providing optimum light output. This high output LED floodlight is available in a range of outputs.

- Available with Dimmable controls
- Dark Sky Compliant
- Bracket options available
- Lens options available
- Street light lenses for wide distribution
- Range of outputs available
- IP65 & IK10
- 1800K - 2700K LED Options

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HEAD OFFICE

North Brook Works
Alkincote Street
Keighley
West Yorkshire
BD21 5JT

T: 01535 616300
E: info@powerlitefitz.co.uk

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MADE IN BRITAIN

Certified ISO 14001:2015 Environmental Management

Certified ISO 9001:2015 Quality Management

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