



**Powerlite[®]
Fitzgerald**

AGRICULTURAL LIGHTING SOLUTIONS

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

POWERLITEFITZ.CO.UK



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AGRICULTURAL SOLUTIONS

ABOUT POWERLITE FITZGERALD

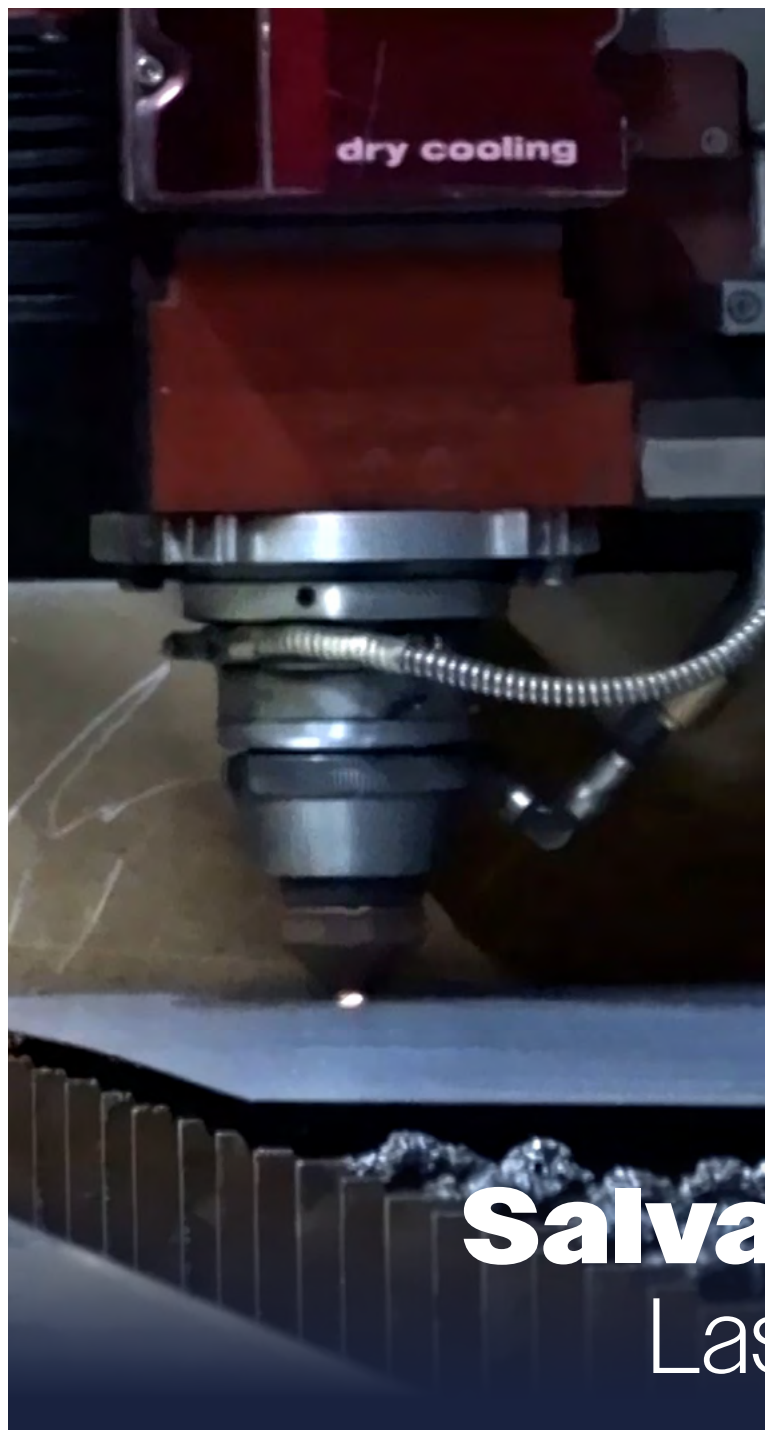
With over four decades of experience, we understand your project goals and work closely with you to create the right lighting solution. Our team of experts support you every step of the way, even after final installation, always with clear communication.

We're committed to delivering high-quality, cost-efficient products on time. By keeping everything—from design to manufacturing—under one roof, we can handle everything from standard fittings to complex bespoke work.

We're always looking for ways to serve our customers better. Our innovative product development programme keeps improving our tools and streamlining production, so we can deliver efficiency gains to you quickly. It's this dedication that makes us the right choice for all your lighting solutions.

TRUE UK MANUFACTURED

AGRICULTURAL LIGHTING



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.



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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.



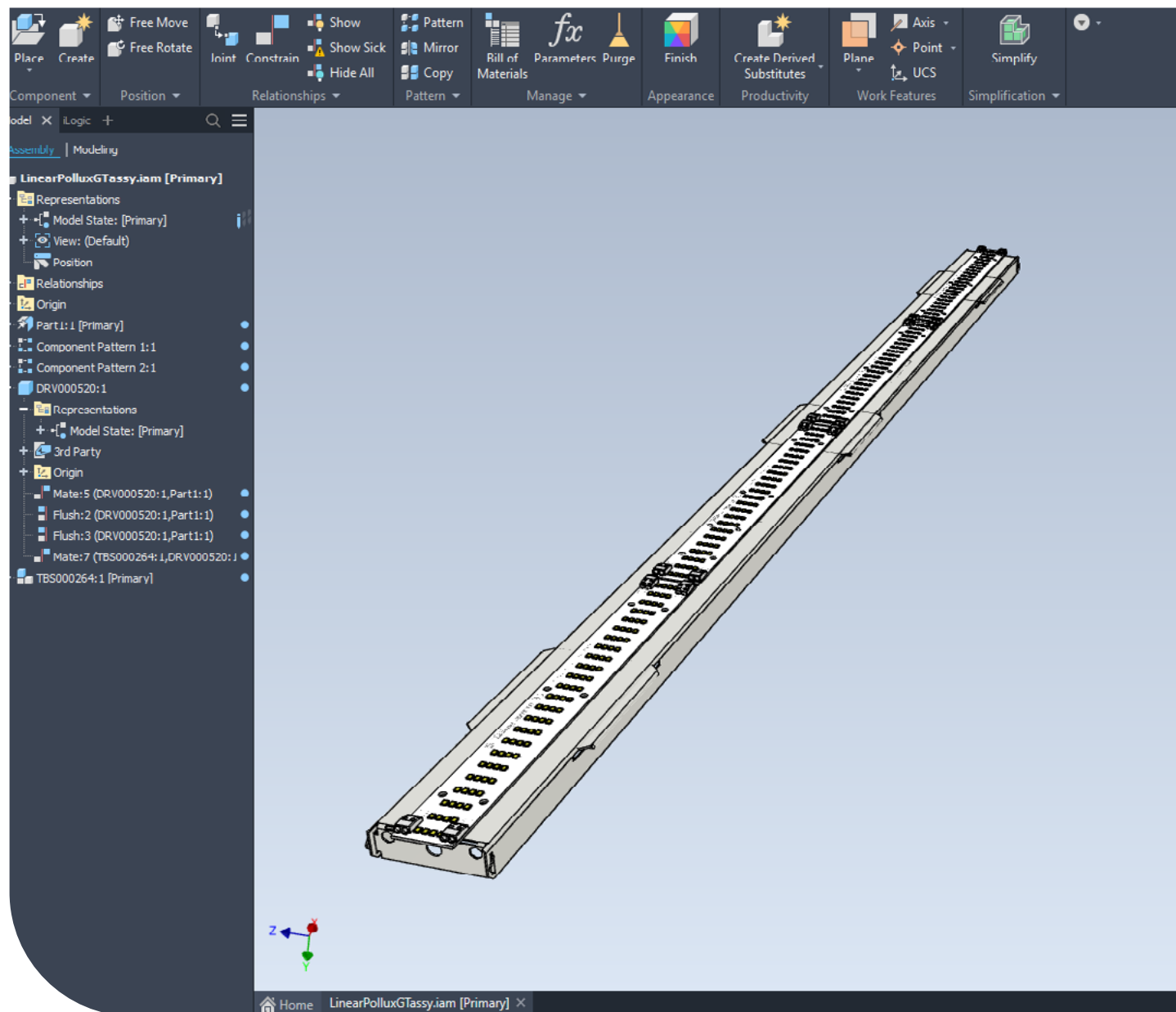
Salvaagnini Panel Bender

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.

RETROFIT SOLUTIONS

AGRICULTURAL LIGHTING



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.



THE CHROMA SOLUTION

THE RIGHT SOLUTION

The Chroma is our industry-leading agricultural lighting system, giving farmers complete control with multi-channel, tuneable lighting that supports both livestock and productivity across all kinds of agricultural environments.

Integration

Our Chroma System makes upgrades straightforward. It can work with your existing livestock computers, giving you a cost-effective, sustainable solution. If you're looking for a fresh start, we also offer a modern touch panel system, programmed by our engineers to fit your exact needs.

Dynamic Lighting

A successful farm demands smart, modern lighting. Our Chroma system does it all, letting you customise colours, zones, and groups to your requirements. The Chroma system lets you dim individual zones and groups, helping to mimic the animals' natural environment and improve their welfare.

Time to market

We know your time is valuable, which is why our market-leading chroma system shortens time to market, with its enhanced controls and customisation, our system allows you to fine-tune your lighting schedule, helping you boost feed rate and guide birds into rest periods.

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



EFFECTS OF LED LIGHTING

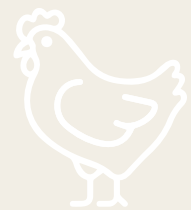
IN POULTRY ENVIRONMENTS



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.

Rearing

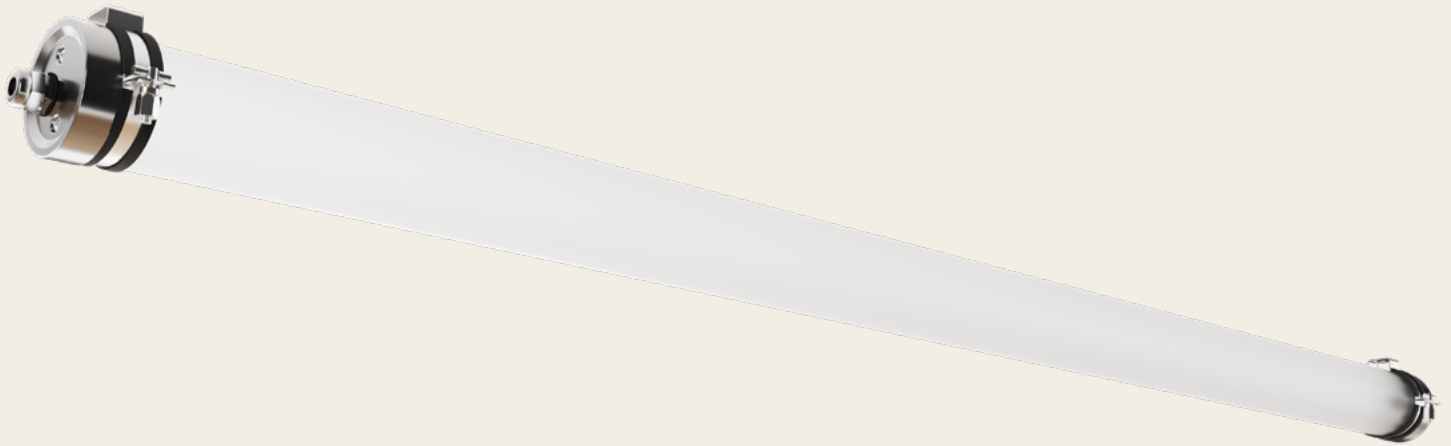
During the rearing process, cool white encourages steady development. Warm white helps reduce activity, keeping hens calmer. Our Chroma system also helps during handling, keeping hens relaxed. It encourages gentle movement and reduces the time they spend sitting still.

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.

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



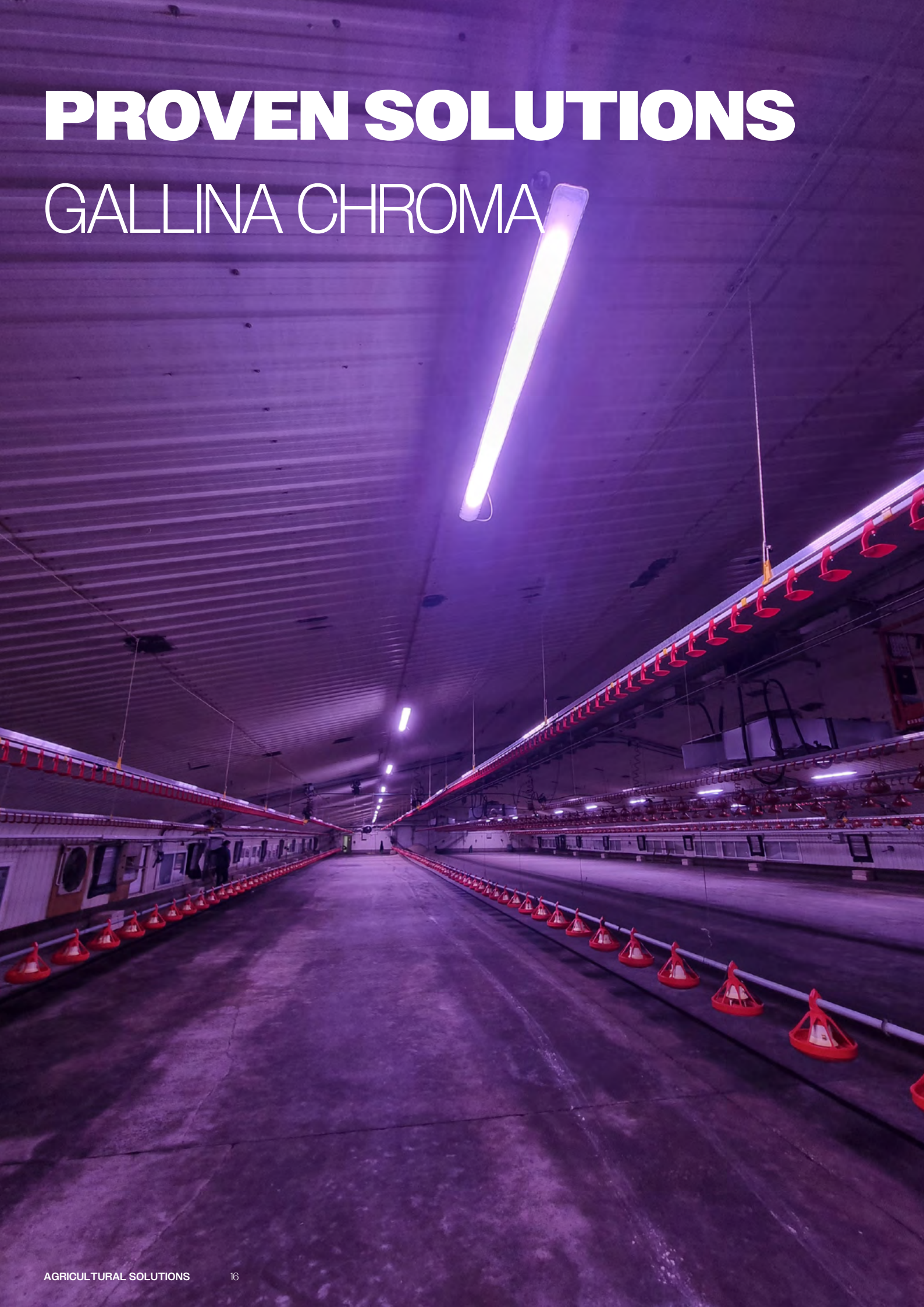
Gallina

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

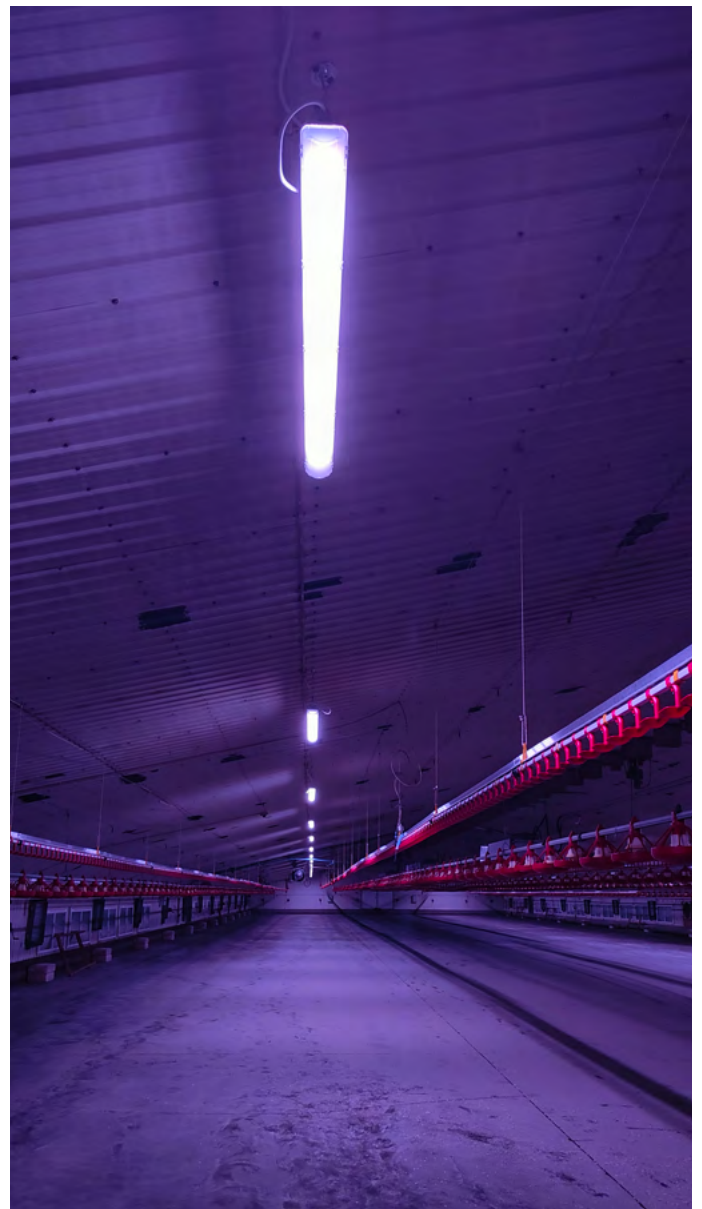
PROVEN SOLUTIONS

GALLINA CHROMA

A wide-angle, low-perspective shot of a large, empty poultry house. The ceiling is made of corrugated metal and features several long, bright fluorescent light fixtures. Rows of red, bell-shaped feeders and waterers are suspended from the ceiling on both sides of a central concrete aisle. The perspective leads the eye down the aisle towards a bright light at the far end of the building.

UK poultry farm

A well-established UK poultry farmer relied on outdated T8 fluorescent lighting and needed a modern lighting solution that would improve energy efficiency across their 36 sheds, while supporting the farm's mission of finding better ways to keep and grow 10 million healthier chickens.

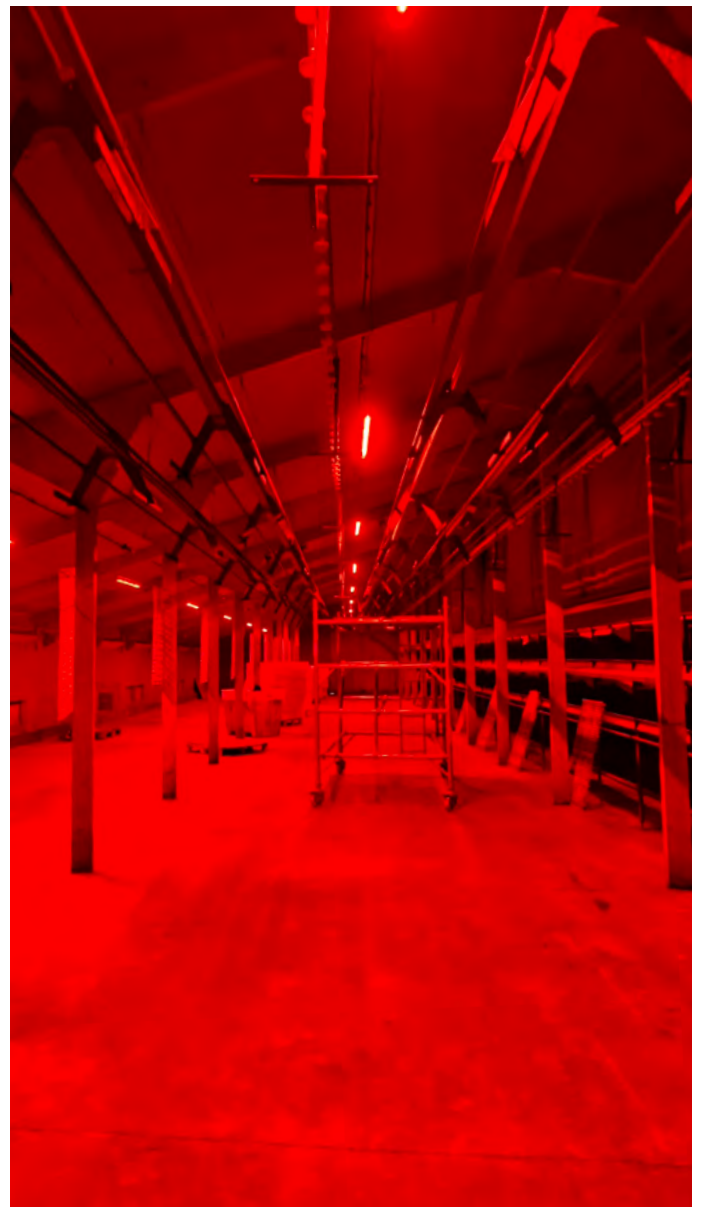


- » Designed, manufactured, and supplied over 1000 fittings to 36 Poultry sheds with a bespoke UK-manufactured poultry lighting solution.
- » Reduced mortality rate
- » Increased client yield by nearly 10%
- » 50% reduction in energy consumption
- » Improved the welfare of 10 million chickens.

Corrie Mains Free Range Egg Farm

Established in 1996, Corrie Mains is a multi-award-winning farm in Scotland. The farm began with 800 hens and grew to 20,000, creating a need for a lighting solution that will support the health and well-being of the hens.

We designed, manufactured, and installed our chroma lighting system to support the well-being of all 20,000 hens. This is achieved by using a specific blend of white, blue, and red spectrum lighting.



- » Supplied lighting for the farms 20,000 hens
- » Our engineers installed our chroma system resulting in a simple, reliable system.
- » Programmed tailored lighting scenes to match the customer's exact requirements
- » Designed a custom lighting layout with our market leading chroma system.

PROVEN SOLUTIONS

POLLUX CHROMA



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CATTLE
LIGHTING SOLUTIONS





EFFECTS OF LED LIGHTING

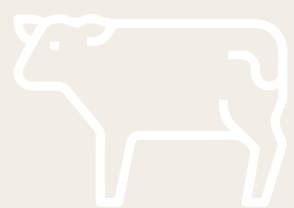
IN DAIRY FARMING ENVIRONMENTS



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.

CATTLE LIGHTING

VACCA



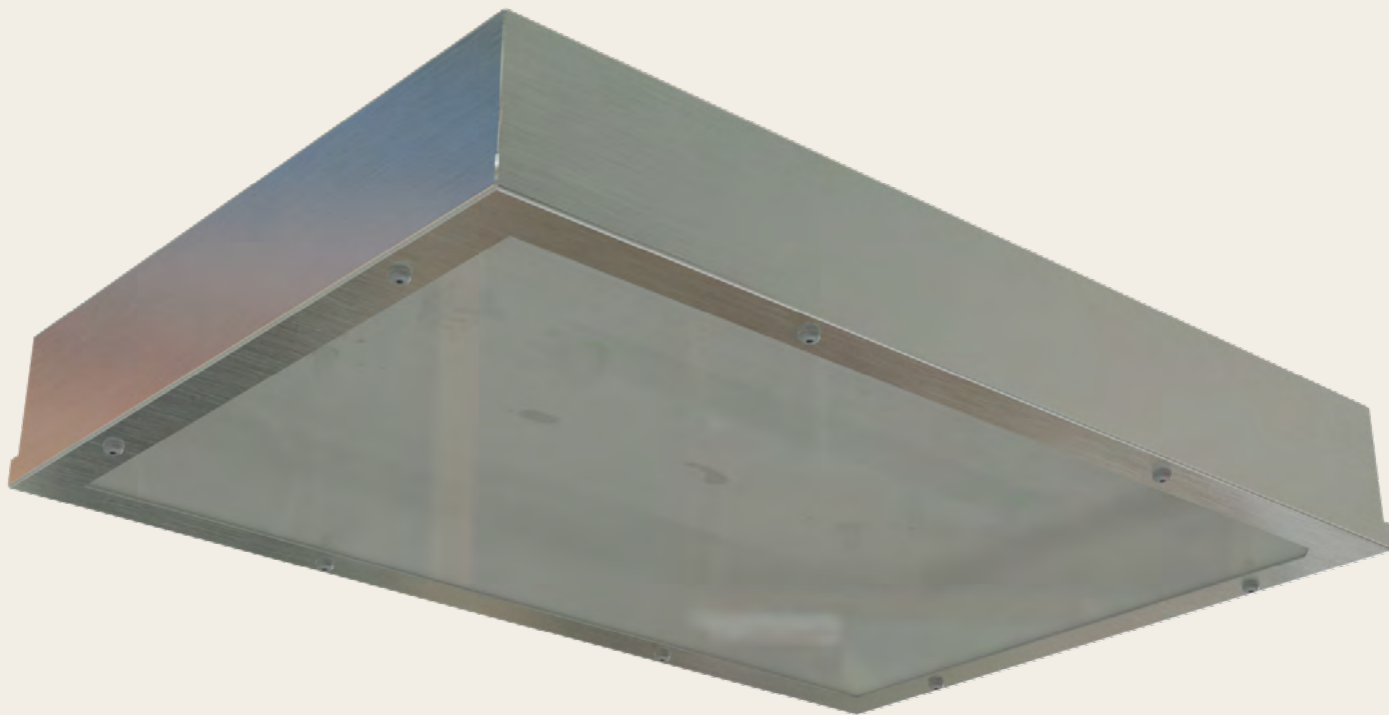
Vacca

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



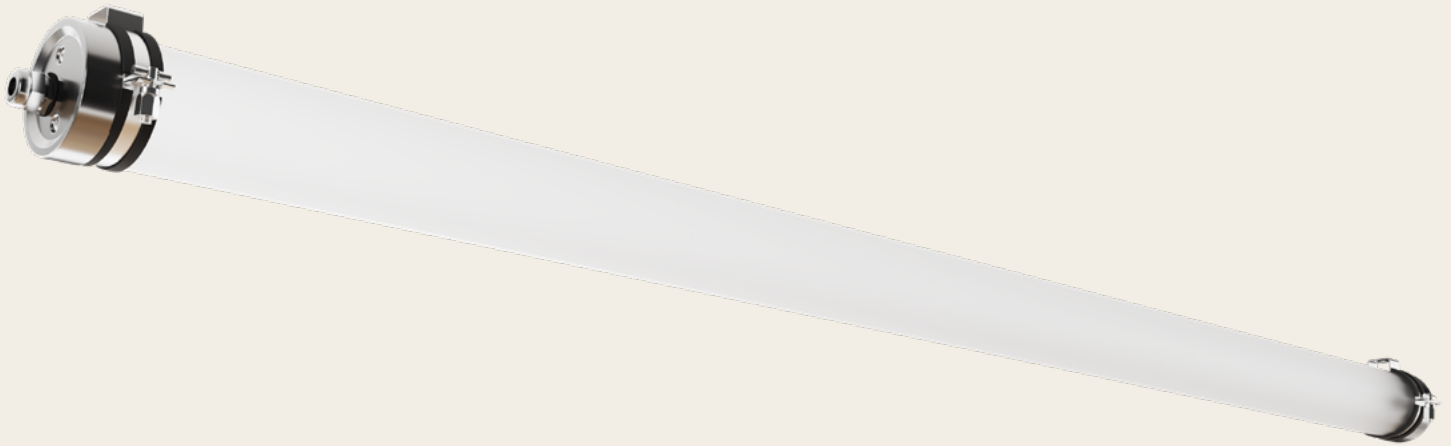
Bovis

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

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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PIG
LIGHTING SOLUTIONS



EFFECTS OF LED LIGHTING

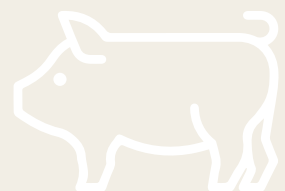
IN PIG FARM ENVIRONMENTS



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.

PIG LIGHTING

SUS



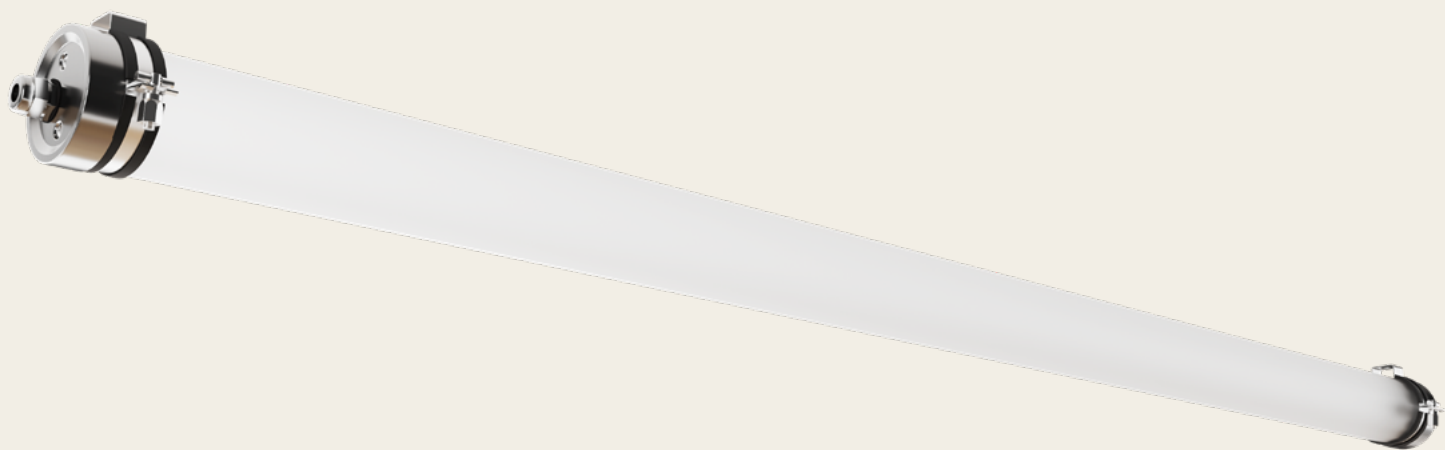
Sus

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



LED SPECTRUM EFFECTS ON HORSES

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 Safety

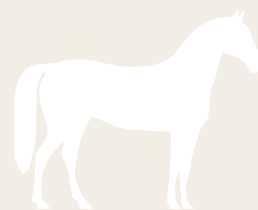
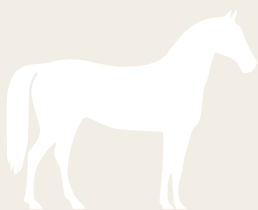
Flicker-free, evenly distributed lighting improves visibility for both horses and handlers, lowering the risk of accidents and sudden startle responses.

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.

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.



Up to 15% Increase
in training performance & alertness

Up to 80% Reduction
in energy saved

Significant Increase
in Welfare



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



Powerlite[®]
Fitzgerald

OUTDOOR
LIGHTING SOLUTIONS



OUTDOOR LIGHTING SOLUTIONS



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.

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



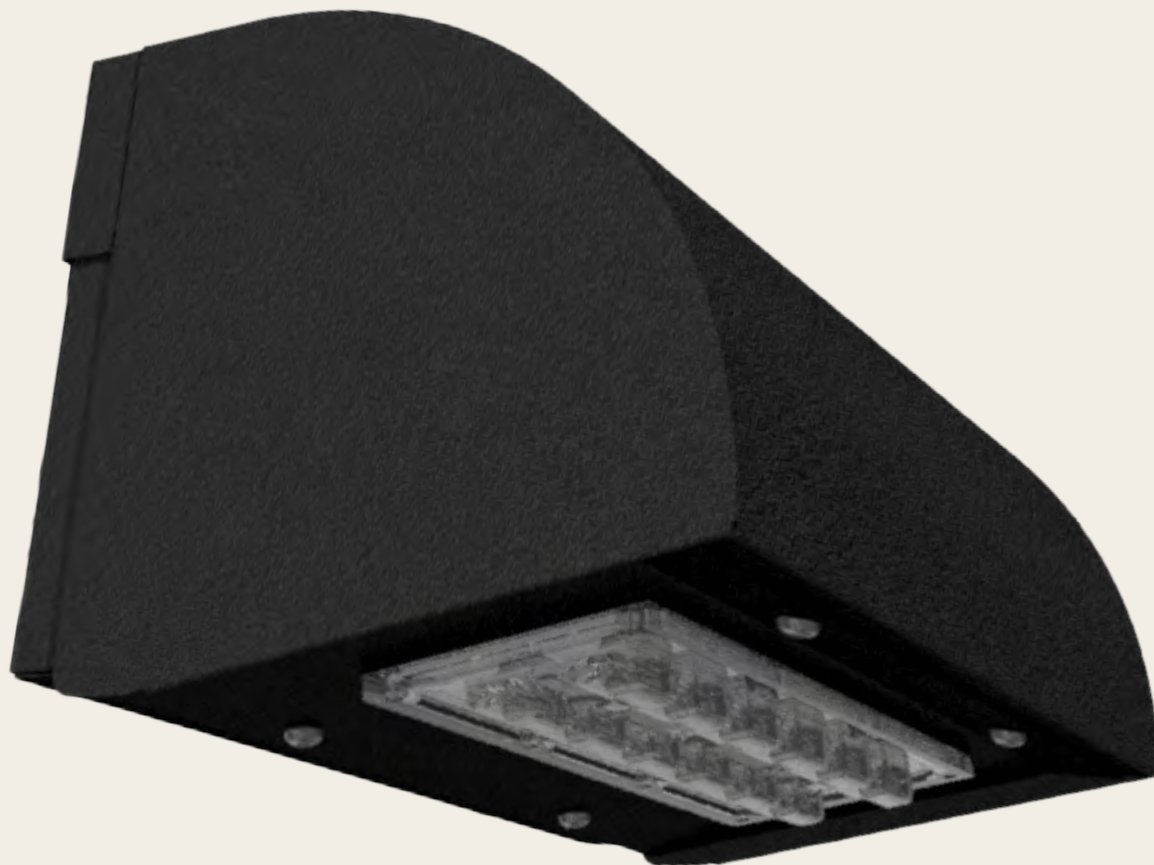
Urban Round

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

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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