



with **Smartune**

LED LIGHTING FOR POULTRY PRODUCTION



LIGHTING THAT ALIGNS WITH YOUR MANAGEMENT GOALS

LED lighting plays a crucial role in optimizing growth and production in poultry farming. Lighting used to improve behavior, reproduction and growth cycles.

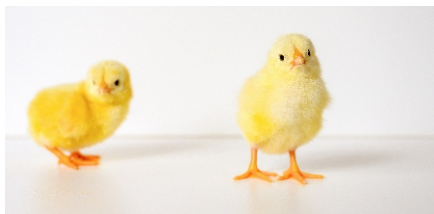
STIMULATE GROWTH

Artificial lighting can help achieve market weight in a shorter time, by extending the duration of daylight hours in poultry houses. This extended photoperiod stimulates the birds' metabolism, encouraging them to consume more and grow faster.

ENERGY EFFICIENCY

The use of energy-efficient lighting systems, such as GROW3 LED lights, can help reduce energy costs in production while still providing the required lighting intensity for a happy flock.

Energy management through scheduling and smart controls, via Smartune™ App.

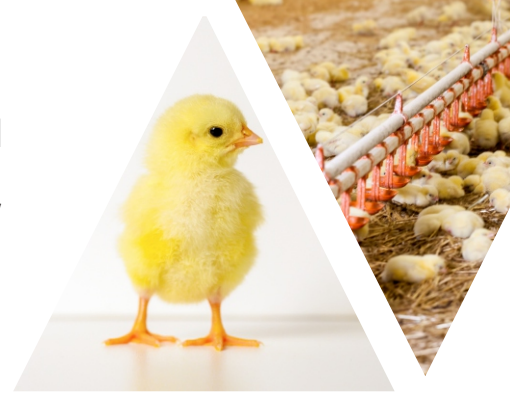


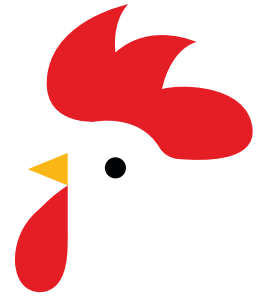
ENHANCED EGG PRODUCTION

Artificial lighting can be used to regulate the photoperiod to mimic natural daylight patterns. Hens typically lay more eggs when exposed to longer daylight hours. By manipulating the lighting schedule, farmers can encourage hens to lay more consistently and increase overall egg production.

BEHAVIOR MANAGEMENT

Adequate and consistent lighting can also help prevent behavioral issues in poultry, such as cannibalism and feather pecking. Proper lighting conditions reduce stress and aggression, improving the well-being of the birds.





ENHANCED FEED CONVERSION EFFICIENCY

LED lighting can be used to simulate longer daylight hours, which can, in turn, stimulate natural processes such as increased feed consumption and growth. This is particularly important for broiler chickens raised for meat production.

Properly managed LED lighting, using SmarTune™ spectrum and schedule controls can help regulate feeding patterns, leading to more efficient feed conversion. Chickens exposed to appropriate lighting conditions tend to consume more feed during daylight hours, contributing to better growth rates without the need for additional growth hormones.

FIXTURES DESIGNED FOR AGRICULTURAL USE

The flicker free, with reduced shadows for even light. LED fixtures that are rated watertight, dustproof (IP66) for easy maintenance Solid design construction. Daisy chain connections for easy installation. Direct power, 120V AC and 277V AC. Easy to clean and maintain. Automated controls for dimming, schedules and spectrum control.



AGRICULTURE LIGHTING FIXTURE

IMPROVED BONE DEVELOPMENT

Proper lighting conditions, including appropriate light intensity and spectrum, can positively influence bone development in poultry. This can be crucial for the development of healthy and robust birds without resorting to growth-promoting additives.

ZONE AND SPECTRUM CONTROL

The GROW3 LED Lighting system is designed with zone and area controls, allowing differing light spectrums to be programmed within the various areas of the poultry house.

Studies have shown the benefits of red spectrum lighting around the areas for feeding and drinking, whereas there are improved benefits for the poultry using the blue spectrum of lighting around areas that are for relaxing and other daily activities.

OPTIMIZED REPRODUCTIVE PERFORMANCE

For laying hens, LED lighting can be used to manipulate day length, encouraging increased egg production without the use of hormones. This natural stimulation of reproductive behavior helps optimize egg production.

DESIGNED FOR POULTRY ANATOMY

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