

Optimising the lighting environment in a poultry barn

Among the many benefits of a purpose-designed LED lighting system in a poultry barn is the extent to which it can be controlled.

Lights which are flicker-free and provide the optimum colour spectrum are not the limit of what modern systems offer. They also provide us with the tools we need to create the best possible lighting environment.

Whether the target is to optimise growth rates, to maximise egg production or to encourage desirable behaviour, controlling the lighting environment will help to achieve this.

A good LED lighting system will include a programmable dimmer control unit such as the one pictured.



The dimmer unit can be programmed to automatically switch the lights on and off at desired times throughout the day. Furthermore, this can be altered according to the specific requirements of the birds at different ages or at different stages of development.

Indeed, programming the lights for the entire life of a flock can be done before the birds even arrive at the farm.

However, it is not just switching the lights on and off which can be programmed. It is also possible to simulate dawn and dusk by slowly ramping up the lights at the beginning of the day and slowly dimming them down at the end of the day. The length of time it takes to reach the desired light level or to turn off the lights completely can be set according to the preference of the farmer.

The light intensity can also be programmed according to the requirements of the birds and even adjusted during the day if so required.

The ability to replicate the natural environment for our birds has never been easier and doing so will bring significant benefits to both performance and welfare.

At Gallina LED our recommendation would always be to purchase a dimmer unit with your new LED lighting system and take full advantage of the fabulous technology that is now available to us!

LED: Improve Performance, Improve Welfare, Save Energy!

