

The importance of durability in a poultry barn

The environment in a poultry barn can be a harsh one for any equipment and fittings and never more so than during cleaning and disinfection.

A crucial element of good biosecurity practice is the thorough cleaning of houses between flocks. This is essential to minimise pathogens and generally requires the use of high pressure washing and disinfectants. The house and the equipment within it must therefore be built to withstand such procedures.

Your LED lighting system is no different. The good news however is that there are internationally recognised rating systems that will tell you whether a system is suitable or not for use in a poultry house.



Firstly, there is the IP (Ingress Protection) Rating which is used to classify the different levels of sealing effectiveness provided by an electrical enclosure against foreign bodies such as water, dirt, ammonia gas etc.

The IP Rating is a 2-digit number. The first number is a measure of the protection against solid particles. Anything less than a 6 indicates that a product is not dust proof.

The second number is a measure of the protection against liquid ingress. A number 7 or greater indicates that a product is protected against high pressure water jets or even lengthy immersion in up to 1 metre of water.

At Gallina LED all our products are built to a minimum IP67 rating therefore offering protection against any form of water ingress as well as particles and even ammonia gas.

Secondly there is the IK Rating which indicates how resistant an electrical product is to mechanical impact. The K is from 'Kinetic' to help differentiate from the IP Rating.

At Gallina LED our products come with a minimum IK10 Rating meaning they are able to resist 20 joules of energy or the impact of a 5kg weight dropped from 400mm.

IP67 and IK10 Ratings ensure the durability of our products and mean our customers can power wash and disinfect our lighting systems safe in the knowledge that they will not be harmed!

They also explain how we are able to offer a 5-year warranty!

LED: Improve Performance, Improve Welfare, Save Energy!