

BETTER LIGHT FOR PEOPLE AND ANIMALS

GOAT FARM, GRIESHEIM, FRANCE

PROJECT BENEFITS AT A GLANCE

SWITCH TO FULL LED LIGHTING

The lighting of the goat farm in Griesheim in Alsace has been completely renovated with LED solutions.

EASY INSTALLATION

The owner of the goat farm was won over by the simple and easy-to-install DAMP PROOF SPECIAL luminaire.

AMMONIA-RESISTANT LIGHTING FOR THE GOAT FARM

Inside the farmhouse, the old fluorescent waterproof luminaires were completely replaced by ammonia-resistant DAMP PROOF SPECIAL luminaires. This luminaire is the right lighting for the agricultural sector (excluding poultry farming) and the food industry (in accordance with IFS and BRC standards).

DAMP PROOF SPECIAL



A BETTER LIGHTING AT THE GOAT FARM

IMPROVING THE WORKING CONDITIONS OF THE FARMER AND THE WELFARE OF THE GOATS PLUS ENERGY SAVINGS THROUGH THE DAMP PROOF SPECIAL LUMINAIRE.

THE CHALLENGE

The goat house has a main hall for breeding and milking goats. This hall is exposed to high temperature variations, dust, ammonia and humidity.

In such a facility, robust, ammonia-resistant luminaires are needed to provide the right lighting for this demanding environment. With time and exposure to ammonia, the old luminaires equipped with conventional fluorescent tubes lost their robustness and were no longer waterproof enough. In addition, their energy consumption and maintenance costs were high.

This farm also has its own facility for the production of goat cheese. Therefore, Damp Proof luminaires adapted to a food-processing environment were required.

THE SOLUTION

In the halls and cheese production facility, the traditional light sources were replaced by DAMP PROOF SPECIAL 1500 50W IP66 and IP69K luminaires that provide uniform and comfortable light for the goats. These completely sealed, ammonia-resistant luminaires are also waterproof and therefore suitable for the food-processing environment like the cheese production.

THE BENEFITS

Due to its high resistance to demanding environments, the ammonia-, dust- and water-resistant DAMP PROOF SPECIAL luminaire is perfect for this application. The IP69K protection rate allows them to be washed with a high-pressure cleaner. These DAMP PROOF SPECIAL IP69K luminaires also meet the standards of the IFS (International Featured Standard Food) and the BRC (British Retail Consortium). As the lactation and fertility of goats is also influenced by the lighting, a minimum light intensity of 200 lux is recommended. The performance of the installed DAMP PROOF SPECIAL also enhances the well-being of the goats: very low flicker <1%, luminous efficacy of 130 lm/W, luminous flux reaching up to 6500 lm. The installation was very simple, fast and was conducted without special tools. In addition, the LED technology allowed the customer to save up to 55% of energy.

SUMMARY

This farm is now equipped with lighting perfectly adapted to the agricultural environment. The owner is satisfied and can now work in pleasant conditions. The goats also benefit from the good lighting, which has a positive effect on their health, well-being and milk production.

“We have a significant improvement of the lighting compared to the old luminaires equipped with conventional fluorescent tubes which were not effective enough. Working there is now much more pleasant!”

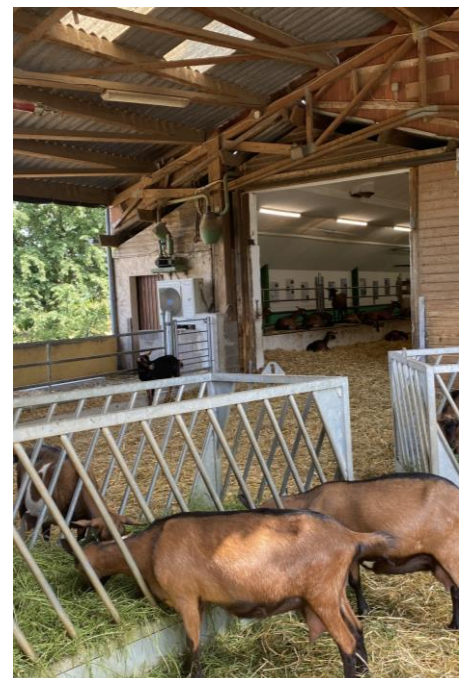
Michael Eber, Owner of the goat farm



The installation of the DAMP PROOF SPECIAL luminaires was easily implemented.



Bright light in the goat stall through the new DAMP PROOF SPECIAL luminaires.



The goats feel very comfortable in the new light.