



MEGAMAN LED BATTEN DINO SPECIFIED FOR THAKEHAM FARM

When Thakeham Farm, a mushroom farm in Pulborough, West Sussex, needed to replace its existing light fittings, the owners required a lighting solution that could withstand the varying temperature conditions whilst also providing excellent energy efficiency. Therefore, Megaman's range of highly reliable, integrated and linear light fittings were selected, achieving an effective and efficient lighting scheme and resulting in annual 50% energy saving.



Fixture Used



Dino Integrated LED Batten

Thakeham Farm, is part of Monaghan Mushrooms one of the largest mushroom producers in the world, and has been operating since 2011. As a key supplier, the farm consists of 70 growing houses and produces, 6500 tons of mushrooms a year. Due to the complex nature of mushroom growing, the farm required a lighting fixture for its growing houses that would be resilient to the differing environmental conditions which range from 14°C to 60°C, as well as easy to maintain.

As such, Megaman's Dino fittings were specified, CEF Horsham branch, to replace the non-corrosive IP65 5ft and 6ft fluorescent battens that were previously in situ. The Dino range provided the ideal solution, offering a superior lumen distribution package by achieving 104 lumens per watt, thanks to its clear prismatic diffuser. This allows the highly efficient LED lamps to achieve the same lumen output as a traditional twin tube fitting.

The installation of the Dino LED battens saw an annual energy saving for Thakeham Farm of 50%, reducing watt usage from 130W to 63W while producing the same amount of lumens. Tool free terminal blocks and covers, plus the cable entries and through wiring, also ensured that cables could be wired from one fixture to the other, enabling an easier installation where energy sockets were hard to access.

Additionally, the Dino battens, unlike the glass battens previously installed, have a tough polycarbonate body and are IK08 rated. The polycarbonate body will not expand or contract when subject to the varying temperatures within the growing houses reducing the chance of them breaking. Additionally, the Dino battens reduce the inconvenience and cost of replacement but also ensure that the crops at Thakeham Farm did not suffer any damage that would incur if a glass batten shattered.

Furthermore, due to its IP66 rating, the battens will also be able to withstand the regular water spraying the mushrooms need during the primary stages of growth.

Fred Bass, Managing Director at Megaman commented, "As Thakeham Farm is focused on the sustainable use of materials throughout every stage of mushroom growing, we wanted to provide a lighting solution that reflected this environmental approach. The Dino battens offered the perfect solution, Part L compliant, the battens at L70 have a lamp life of up to 50,000 hours without incurring low output levels – providing excellent energy efficiency and a high quality performance."

For more information on this project or the Megaman lamps used please contact us: