

# Options for

# ventilation & lighting



## New generation of lighting designed for poultry

Dilaco Lighting Kft has developed a new generation of poultry lighting, which not only breaks with traditional lighting spots, but even exceeds common LED technology.

This low voltage (24-48 V DC), high switching frequency bearing (400000 Hz) high power LED technology utilising system is equipped with special optics. Unlike former practices, this system was not adapted from human lighting but was created human-mindedly to suit the birds' delicate vision. The system can cover the whole barn's illumination with homogeneous brilliance even in multi-layered voliere barns without unnecessary light pollution.

Dilaco Lighting's Agro high power LED lighting system emphasises digi-

tal LED dimmer technology that is able to create nature-identical, ungraded sunlight simulation with its 1:100 000 dimming rate and also resolve the problem of constant light pressure.

The system is equipped with a uniquely developed and task-driven light computer. This device controls six sections, satisfying voliere type poultry house needs with directing the hens to different floor levels with the help of lighting.

Furthermore, it has a uniquely fast rate of return, because as well as the 90% energy saving caused by the LED spots, significant improvements (6-8%) could be achieved due to the close-to-natural lighting conditions.

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## The complete ventilation package

The complete ventilation package is a modern, energy-efficient and cost-effective solution for poultry houses.

The package includes a range of ventilation options, including natural ventilation, mechanical ventilation and energy recovery ventilation.

The package is designed to provide a comfortable and healthy environment for the birds, while also reducing energy costs and improving air quality.

The package is suitable for a wide range of poultry houses, from small-scale operations to large commercial farms.

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## Managing all aspects of the poultry house

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## LED lighting - the future is now

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