

AGRILIGHT®



BETTER LIGHT, BETTER LIFE

AVILED® eco
The new standard
in poultry lighting

Flicker free dimmable to 1%!





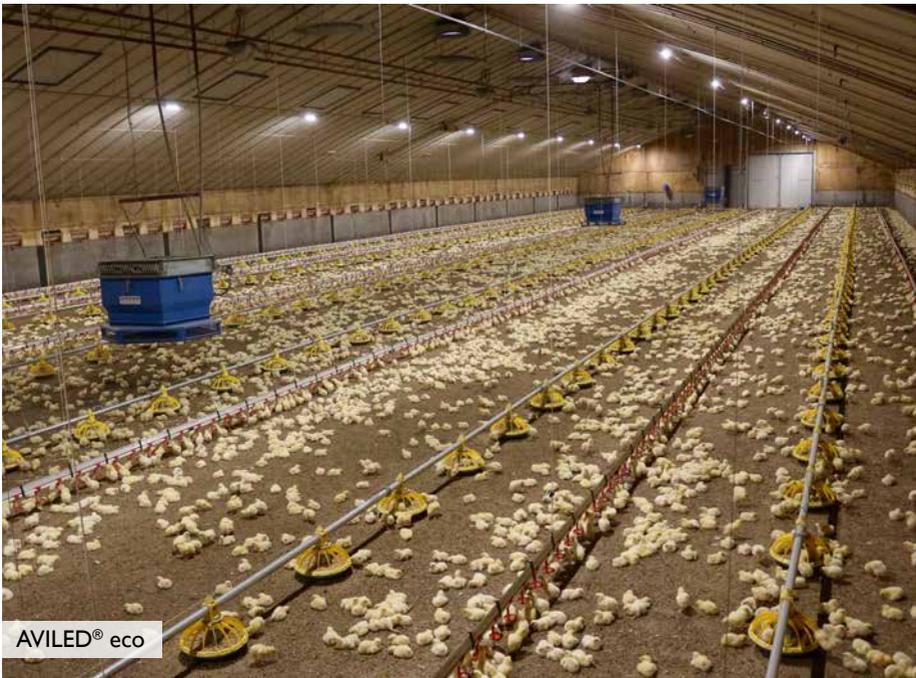
Better light, better life

The new standard in poultry lighting

We don't need to tell you that good spread of your birds in the poultry house ensures a better feed intake and more uniform growth. Many years of experience in lighting, energy and agricultural buildings has resulted in the development of Agrilight's most efficient LED fixtures in the AVILED® series.

With the AVILED® eco, animal welfare and production optimization are combined. With the newest technology, we made it possible to dim the light down to 1% and flicker free at all dim levels. Without any frequency at all dim levels (0 Hertz), this fixture is really 100% flicker free.

This all in combination with a life span of 100.000 hours, a 5 year warranty and an operation temperature of 45°C average (normal for the average poultry barn). Agrilight set the new standard in poultry lighting with the new AVILED® eco.

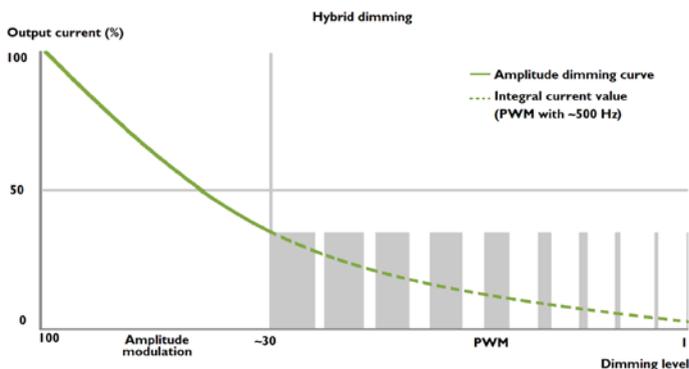
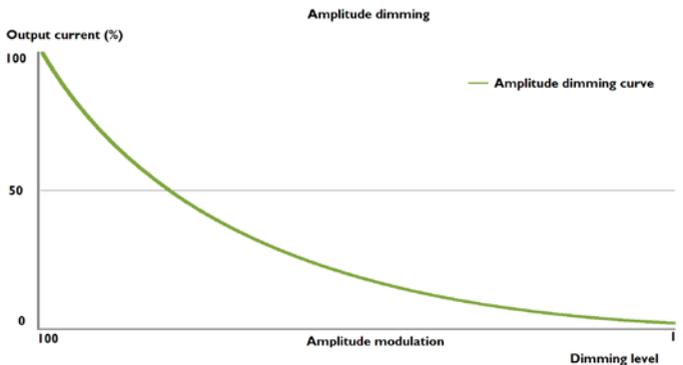


AVILED® eco

100% flicker free dimming

To influence the growth rate of the birds, farmers use the dimming of the light. Normally, by dimming to low light levels, the light will be quickly turned on and off (Pulse Width Modulation dimming), causing a flickering which can cause stress for the birds.

Stress affects the animal welfare and the full growth of the birds. This causes a higher death rate among the birds and lower profits for the farmer. With the new dim technology, Agrilight made it possible to dim the light down to 1%, with a constant light output (Amplitude Dimming). This is 100% without flickering and does not cause stress for the birds. This results in a lower death rate and better full grown birds, resulting in higher profits for the farmer.



The affordable high quality solution: AVILED® eco

Developed for the barn

The AVILED® eco is especially developed for the barn environment and is resistant to moisture, ammonia and dust. The aluminium housing is designed to create a good transfer of heat produced by the LEDs, to ensure the lifetime of the fixture. The PMMA lens is strong and resistant to the harsh barn environment that comes with the poultry houses. With the IP65 rating, the fixture is waterproof for cleaning the fixture after each round.



Designed to last

The unique AGRILIGHT® design in combination with the high quality materials and parts results in a reliable fixture that ensures a lifespan of at least 100.000 burning hours (L90 B50). During the lifespan the fixtures are maintenance free. The internal parts, including the LED's, can be replaced.

Therefore the lifespan of the fixture can be extended beyond the 100.000 hours.

This contributes, in combination with the 5 year full AGRILIGHT® warranty, to an optimal performance of your poultry house.

Low environmental impact

Compact design, high-quality material choice and production in the Netherlands results in a low carbon footprint for the AVILED® eco. This in comparison to other light solutions that are mostly made in China and that are heavily transported around the world.



Why go AVILED® eco?

Plug & Play

By using Wieland® connectors, the AVILED® eco can be installed very quickly. This will save you on installation and maintenance costs.

Efficient lighting

Due to the use of a unique lens, 35% less fixtures are needed in comparison with existing fluorescent fixtures.

Subsidy possibilities

The high Lm/W ratio makes that the AVILED® eco can be applied to many subsidy programs. This saves you money on the purchase of the lights.

Light colour

The AVILED® eco is equipped with 4.000K (Neutral White) LED colour. Research of the University of Wageningen (WUR - licht op licht, 2015) showed that broilers perform best at a light colour between 3.000K and 5.000K.

Higher production

A high-quality, efficient and reliable lighting system is essential for modern business operations. With healthy, well-grown animals and a low drop-out rate, you achieve the best results and the investment in the AVILED® eco quickly returns.

- Affordable high quality light solution
- Easy installation
- Higher animal welfare
- Optimal production result
- Environment friendly design

Optimum light level:



animal welfare +



better production +



higher efficiency

AVILED® eco

Light source	LED
Distribution	Lens technique
Blue catch light	No
Energy consumption	14 Watt
Lumen output	2.200 Lumen
Lumen/Watt ratio	160 Lm/W
Controlling	DALI
Life span	100.000 hours L90/B50
Light colour *	4.000K (Neutral White)

Outdoor lighting? AGRILIGHT® outdoor

- 50 Watt
- 4000 Lumen - 3000K
- IP65 - IK06
- CRI80
- Operating temperature -20°C to + 35°C
- On/off (not dimmable)
- 5 years warranty



* Advise WUR research 2015 for broiler lighting: between 3.000K and 5.000K.

The expert in agricultural lighting

Do you want to maximise the performance in your buildings? Then good lighting is absolutely essential.

Agrilight has been supplying LED and conventional lighting systems to livestock farmers in Europe and North America for more than 15 years. As a member of the Dool Industries group, a holding specialised in supplemental grow lighting, we are at the leading edge of developments in lighting. At Agrilight, we combine this knowledge with insights gained by the latest scientific advances in the fields of animal welfare and livestock building design.

Agrilight can draw up a free, no-obligation light plan for your livestock building. After all, each specific situation is different. Discover the advantages of a well-designed light plan for your animals, your workforce and yourself. Contact us via www.agrilight.com

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