

AGRILIGHT®



BETTER LIGHT, BETTER LIFE

AVILED® premium
Advanced LED
lighting for
your poultry

Flicker free dimmable to 1%!





Better light, better life

Uniform growth

We don't need to tell you that good distribution of your birds in the poultry house ensures a better feed intake and more uniform growth. Infections and foot disorders can also be prevented if the birds spread out and use all the available space optimally. Research performed by the University of Wageningen demonstrates that an optimal light level and good light distribution are the key factors that ensure good distribution of birds in a poultry house. The dimmable lighting system from Agrilight allows you to influence the growth rate of your birds. Scientific studies have also shown that blue light has a calming effect on the birds when they are placed in the house or during catching.

Innovative durability

Many years of experience in lighting, energy and agricultural buildings have resulted in the development of Agrilight's efficient LED fixtures in the AVILED® series. The fixtures are available in two advanced models: the AVILED® premium and the AVILED® premium blue. Just like all Agrilight products, these fixtures are resistant to moisture, ammonia and dust. The aluminium housing carries away the heat produced by the LED. This keeps the light output of each fixture at a good level and ensures a durable lifespan of the fixture.



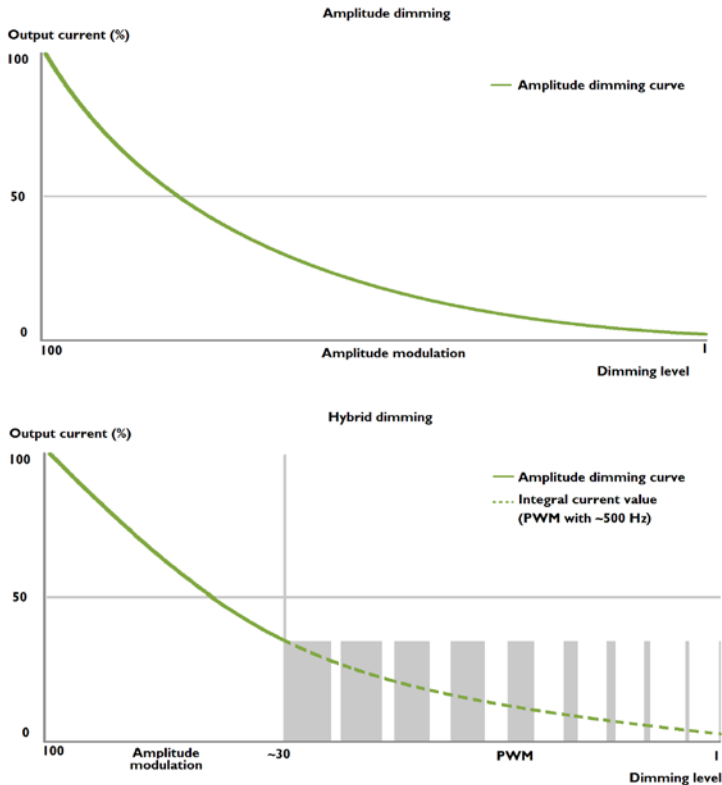
White light

Blue place and catch light

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 high quality solution: AVILED® premium

AVILED® premium

The AVILED® premium represents a reliable fixture for an attractive price. The fixture was developed based on our many years of experience with LED lighting in poultry systems. The AVILED® premium uses reliable and proven lens technology. This guarantees good light distribution in your poultry house. The fixture is dimmable from 100% to 1% and can be applied in various lighting regimes. The fixture is also available with integrated blue LEDs so it can be used as bird catching lighting.



AVILED® premium

Control via the climate system

The AVILED® premium can be controlled via a DALI signal. Using this control function, the AVILED® can be connected to the 0-10 V-signal of your climate system. This ensures that the dimming function works optimally in your system.

Optimum light level:



animal welfare +



better production =



higher efficiency

Why go AVILED® premium?

One row solution

It is possible to illuminate an area of 24 meter wide with the AVILED® premium. With this possibility, most of the barns can be illuminated with one row of fixtures.

- One row lighting solution
- Optional integrated blue catching light
- Higher animal welfare
- Optimal production result

Replacement of AGRILIGHT® 70 Watt fixtures

With the same design and light spread, the AVILED® premium is the ideal fixture to replace your old conventional AGRILIGHT® system, 1-on-1. Within one day, the installation can be replaced and you start saving energy costs directly.

Subsidy possibilities

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

Light colour

The AVILED® premium 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® premium quickly returns.

Blue catching light

Blue light has a scientifically proven effect that makes the birds more calm during the catching- and releasing period. This results in a lower death rate, which results in a higher production.



AVILED® premium blue

AVILED® premium

Light source	LED
Distribution	Lens technique
Blue catch light	Yes
Energy consumption	37 Watt
Lumen output	4.070 Lumen
Lumen/Watt ratio	110 Lm/W
Controlling	DALI
Life span	55.000 hours L70/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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