

AGRILIGHT®



BETTER LIGHT, BETTER LIFE

AGRILED® 3 Series

Full assortment lighting
for goats





Better light, better life

Welfare and efficiency

As a livestock farmer, you are concerned with the welfare and production of your livestock on a daily basis. The health of your animals is very important to you. It is therefore a challenge to find the balance between well-being and optimal return. You may not think about it every day, but lighting is an essential factor in the design of your barn. After all, without light you cannot do your work properly and you cannot see the health of your animals. And did you know that light also affects the milk production and fertility of your goats?

More light equals more milk: innovative sustainability

More than 20 years, Agrilight has been involved in research into the influence of light on the welfare and animal production.

Research shows that for dairy goats the optimum light level during the day should be at least 200 lux. A light regime of 16 hours of light of at least 200 lux, followed by 8 hours of darkness, improves the well-being and yield of your goats (or sheep) and encourages persistent milking in the long term.

- 7-8% More milk production on average*
- Year-round milk production (persistent milking)
- Improved fertility
- Influencing/spreading of lamb birth
- Better animal health and lifespan
- Optimal growth in young goats
- Spread of workload over the seasons

** Contact us for case studies*





Persistent milking

The light regime of 'long days' stimulates a constant milk yield, also in winter, also during pregnancy or without pregnancy (persistent milking). Long-term milking for several years without lambing leads to less mortality and fewer diseases.

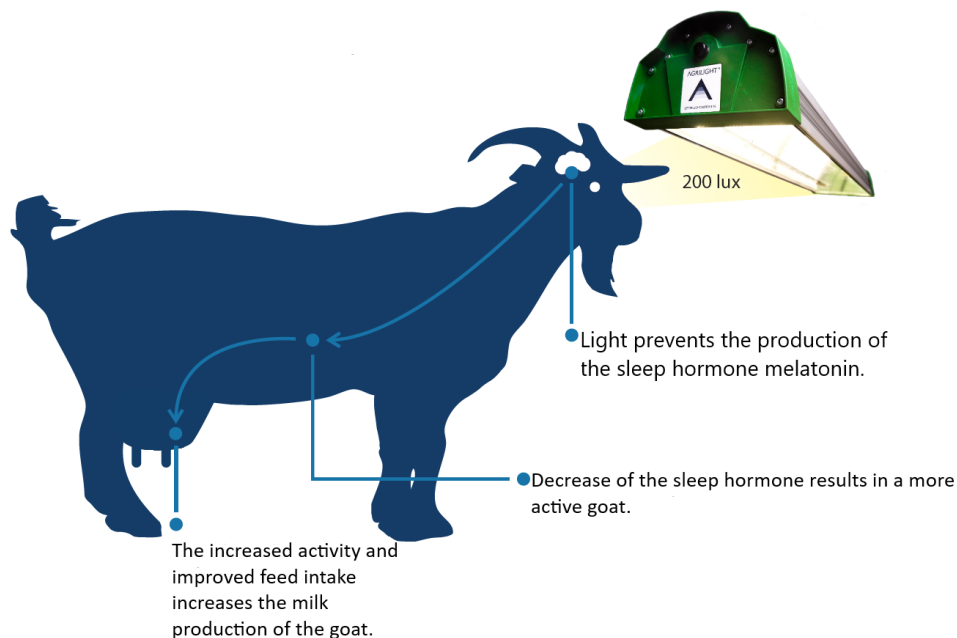
The lifespan of the goat, as well as its total production, increases. Good lighting is therefore necessary for persistent milking.



Hormonal Balance

By extending the days with barn lighting, you influence the production of the sleep hormone melatonin. Light inhibits the production of this sleep hormone, darkness accelerates it: longer light means less sleep hormone and more active and healthier goats (or sheep). You simulate the long spring days: the days when the animals are naturally most active. This results in better feed intake, higher milk production and regulated fertility.

By simulating shorter autumn days with lighting, you stimulate seasonal rut and fertility in both goat and billy goat. An unsuitable light level or light regime can have consequences for the health, production and welfare of your animals.



Light regime goats



16 hours light - 8 hours darkness



Light intensity: min. 200 Lux



New generation LED luminaires

Together with our European dealers and their end customers (European goat farms), we have developed a new assortment of luminaires. The new product range consists of 3 types and 5 variants of luminaires to meet the light needs of every type of livestock.



Product Assortment

AGRILED® 3 pro - Intelligent automated lighting system for dairy cattle: scientifically proven 8-9% stimulation of the milk yield with optional integrated red LED light.

AGRILED® 3 - Intelligent automated lighting system for dry cattle, separation rooms, working light and lower barns with optional integrated red LED light.

AGRILED® 3 eco - Luminaire for on/off application, without automated lighting system, for dry cattle, separation rooms, working light and lower barns.



New LED technology

The special 180-degrees LEDs in combination with unique reflector design gives you the latest LED technology and best light distribution in your barn. The luminaires have been specially developed for the barn and are produced in the Netherlands at our own Dool Industries factory.

This all in combination with the long lifespan and low energy consumption provides you with a reliable production resource with a short return on investment.



Made in Holland

Compact design, high-quality material choice and production in the Netherlands result in a low carbon footprint for the AGRILED® 3. This in comparison to other light solutions that are mostly made in Asia and that are transported around the world.

- Produced in own factory
- Low carbon footprint
- Use of recycled raw materials
- Designed conform EU "Ecodesign Directive"
- No use of disposable plastics in packaging

Light Management System (LMS)

The AGRIBOX pro enables light management of the luminaires to be fully automated using a DALI-2 signal.

The digital light sensor dims or deactivates the luminaires if the light levels in daytime are sufficient. This contributes to a better climate in the barn and extra saving on your energy costs.



Features AGRIBOX pro

- 5 groups
- 11 light programs
- Real time light level with light sensor
- User-friendly interface
- Energy saving

The AGRIBOX pro Switch completes your installation. This Switch de-energizes the luminaires for service and maintenance.



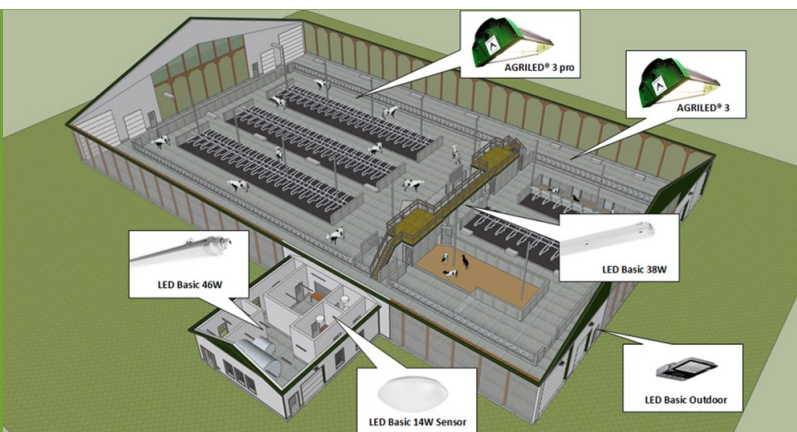
AGRILED® 3 series specifications

	AGRILED® 3 pro red	AGRILED® 3 pro	AGRILED® 3 3 red	AGRILED® 3	AGRILED® 3 eco
Lumen output	35.600	35.600	19.800	19.800	19.800
Power	240 Watt	240 Watt	134 Watt	134 Watt	134 Watt
Lm/W LED	156 Lm/W	156 Lm/W	153 Lm/W	153 Lm/W	153 Lm/W
Lm/W Wall plug	126 Lm/W	126 Lm/W	125 Lm/W	125 Lm/W	125 Lm/W
Light colour 4.000K	✓	✓	✓	✓	✓
Integrated red LEDs	✓	-	✓	-	-
DALI dimmable	✓	✓	✓	✓	-
Surge Protection	Driver + LED	Driver + LED	Driver + LED	Driver + LED	Driver
Lifespan	100.000hr L90B50	100.000hr L90B50	100.000hr L90B50	100.000hr L90B50	100.000hr L90B50
Warranty	5 years	5 years	5 years	5 years	3 years

Agrilight Total Light Solution

With the Agrilight Total Light Solution you have the perfect lighting solution for all areas of the barn from one supplier.

Because every room has it's own lighting needs, not every product is suitable for every room. These high quality luminaires meet the latest requirements for lighting and contribute to a pleasant working environment.



The expert in light for livestock

Agrilight has been supplying LED and conventional lighting systems to livestock farmers in Europe for more than 20 years. As a member of the Dool Industries group, a group of companies. Specialized in supplemental grow lighting, we are at the leading edge of developments in lighting.

Agrilight can draw up a lighting plan for your livestock building free of charge and without obligation. Contact us via www.agrilight.com

AGRILIGHT B.V.

Vlotlaan 412
2681 TV Monster
The Netherlands
T: +31 (0) 174 287 287
E: info@agrilight.com
I: www.agrilight.com

