

BROILIE LIGHT

Flexible and professional lighting for broilers and rearing (up to week 18)



*Based on **BROILIE Spectrum** - RN Solutions' specially developed diodes optimised for broilers and rearing*



2 rows of luminaires for houses up to 20 m wide

BROILIE Spectrum

BROILIE Spectrum from RN Solutions has been developed for modern poultry production, where high demands are placed on light quality, operational reliability and simple installation.

The solution is based on the well-known “jungle” spectrum, but has been further developed by RN Solutions using specially designed diodes. The result is an optimised lighting concept – BROILIE Spectrum – developed specifically for broilers and rearing up to week 18. Our BROILIE diode combines the blue and green light spectra, resulting in a greenish light.

Lighting adapted to your production

BROILIE Spectrum is integrated into the robust and proven FARM-LIGHT luminaire and provides the option of 100% greenish light, 50% greenish light / 50% white light, and 100% white light.

The light colour is changed easily using a quick on/off function – with no need for a control system. This provides a flexible and user-friendly solution in which the lighting can be adapted quickly to each production phase.



50% 4000K white light + 50% greenish light



100% greenish light

Increased production and animal welfare

BROILIE is a specially developed lighting solution with a greenish light spectrum inspired by the ancestors of the domestic chicken in the dense, green jungles of Southeast Asia.

Here, junglefowl instinctively sought shelter and protection from predators beneath palm leaves and dense vegetation. The greenish light recreates elements of this natural environment and helps create a sense of calm and security for the chickens.

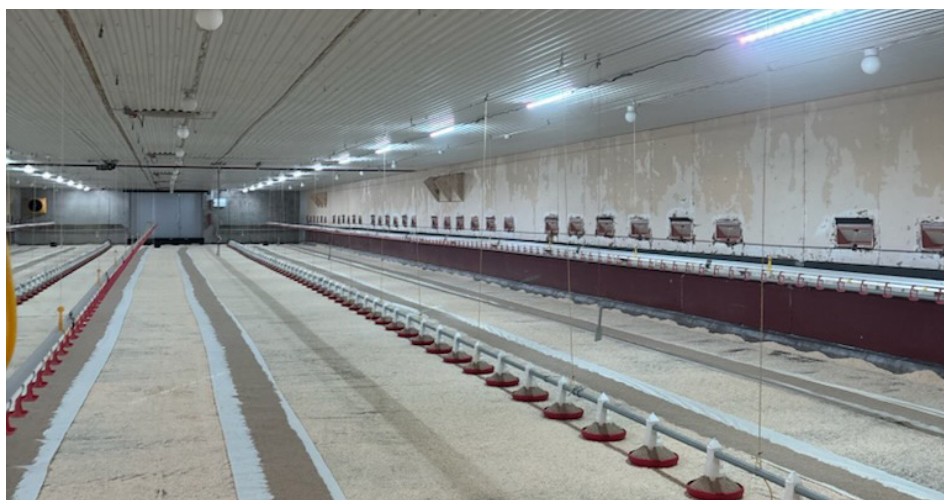
This contributes to a calmer poultry house environment with less stress, lower mortality and a stronger immune system. At the same time, the chickens become calmer and easier to work with in daily operations.

Fewer lighting lines – simple installation

BROILIE luminaires are equipped with integrated lenses that ensure efficient and targeted light distribution. This means that, in many cases, fewer lighting lines and fewer luminaires are required.

Example: In a house 20 metres wide, only 2 lighting lines will often be required, with 225 or 300 cm of cable between each luminaire. This reduces installation time, material consumption and complexity.

The system is a 230V solution, making it possible to establish long lighting lines without voltage drop.



BROILIE luminaires with integrated lenses for efficient light distribution – 100% 4000K white light.

SPEED-LIGHT = 100% Plug 'N Play

FARM-LIGHT "BROILIE" is part of our SPEED-LIGHT system, which means that it has been developed as a 100% Plug 'N Play system that makes installation quick, simple and flexible. Plug 'N Play cables are available in many different lengths, making it easy to adapt the solution to each individual poultry house.

FARM-LIGHT with or without BROILIE Spectrum

FARM-LIGHT is available in two versions: FARM-LIGHT "BROILIE", with flexible switching between greenish, combined and white light, and the classic FARM-LIGHT luminaire with 100% white light. Both versions are designed for demanding poultry house environments and provide robust and reliable lighting.

BROILIE

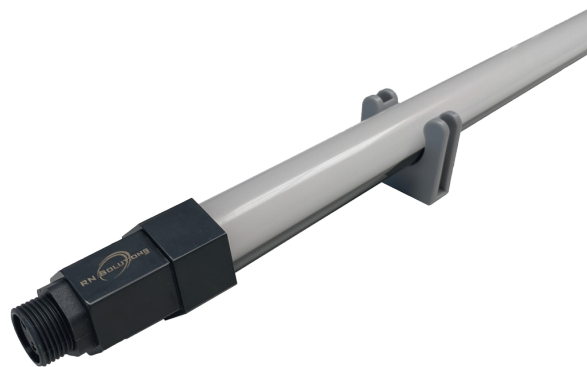
FARM-LIGHT 36W / 1500 mm / 4000K+green

Specially developed solution with optimised BROILIE Spectrum based on the "jungle" principle. Ideal for producers who want both white and green light in the same luminaire.

WHITE LIGHT ONLY

FARM-LIGHT 36W / 1500 mm / 4000K

A simple and reliable solution with pure white light for facilities where a classic and efficient setup is preferred.



FARM-LIGHT luminaire – Plug 'N Play and IP69K

Flickerfree and flexible dimming

BROILIE is flicker-free and provides stable light without disturbing flicker. The system supports TRIAC dimming and can convert a 0–10V signal to TRIAC via a 1200W dimmer. Dimming simulates a natural sunrise and sunset, reducing abrupt changes in light when the lighting is switched on and off. The solution can be integrated easily into both new and existing installations.



Triac dimmer – can be controlled via 0–10V

Built for demanding environments

Classification	IP69K - high resistance to dust, moisture and intensive cleaning
Materials	Robust PMMA tubes for professional operation
Voltage	230 V – long lighting runs without voltage drop
Dimming	Flickerfree, TRIAC dimming, 0–10V conversion via a 1200W dimmer

Long-term Warranty

10 year Product Assurance

- 5 year 100% warranty
- +5 years of extended product assurance
 - 50% discount on spare parts or replacement light sources based on the current price list
 - Product compatibility guaranteed for 10 years from the date of purchase

Why producers choose BROILIE

- ✓ Optimised **BROILIE Spectrum** for broilers and rearing
- ✓ Flexible colour switching without a control system
- ✓ Efficient light distribution with fewer lighting lines
- ✓ 230V without voltage drop
- ✓ 100% Plug 'N Play
- ✓ Robust quality – IP69K
- ✓ Flickerfree lighting
- ✓ The market's best warranty schemes

BROILIE Spectrum is a modern, flexible and reliable lighting solution – developed to create value in the poultry house, both now and in the long term.

Ready to see the figures for your poultry house?

Call us – we will quickly calculate a solution that suits your house and your operation.



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