BROILIE™ LIGHT

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

SPEED-LIGHT™



2 rows of luminaires in barns up to 20 m wide.

> *Based on BROILIE™ Spectrum – RN Solutions' custom-developed diodes, optimised for broilers and rearing.*

BROILIE™ Spectrum

BROILIE™ Spectrum from RN Solutions is 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, which RN Solutions has refined with 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 is custom-developed and combines the blue and green light spectra, giving the light a greenish tone.

Lighting adapted to your production

BROILIE™ Spectrum is integrated into the robust and well-proven FARM-LIGHT™ luminaire and allows 100% greenish light, 50% greenish / 50% white light and 100% white light.

Colour switching is done easily via a quick on/off function – with no need for a control system. This provides a flexible and user-friendly solution where the light can quickly be adapted to each production phase.



50% white light 4000 K + 50% greenish light.



100% greenish light.

Higher production and animal welfare

BROILIE™ is a custom-developed lighting solution with a greenish light spectrum, inspired by the ancestors of the domestic chicken, which lived in the dense green jungles of South-East Asia.

There, the jungle fowl instinctively sought shelter and protection from predators under palm leaves and dense vegetation. The greenish light recreates elements of this natural environment and helps give the chickens a sense of calm and security.

This contributes to a calmer barn environment with less stress, lower mortality and a stronger immune system. At the same time, the birds become calmer and easier to handle in daily work.

Fewer lighting rows – simple installation

BROILIE™ luminaires have integrated lenses that ensure efficient and targeted light distribution. This means you can often manage with fewer lighting rows and fewer luminaires.

> **Example:** In a barn 20 metres wide, often only 2 lighting rows are needed, with 225 or 300 cm of cable between each luminaire. This reduces installation time, material use and complexity.

The system runs on 230 V, making it possible to install long lighting rows without voltage drop.



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

SPEED-LIGHT™ = 100% Plug 'N Play™

FARM-LIGHT™ BROILIE™ is part of the SPEED-LIGHT™ series – SPEED-LIGHT™ luminaires with RNS Plug 'N Play™ connectors. The system is 100% Plug 'N Play™, so installation is quick, simple and flexible. Plug 'N Play™ cables are available in many lengths, so the solution can easily be adapted to each barn.

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 developed for demanding barn environments and provide robust and reliable lighting.

BROILIE™

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

Custom-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™ 36 W / 1500 mm / 4000 K

Simple and reliable solution with pure white light for installations where a classic and efficient setup is preferred.



FARM-LIGHT™ luminaire – Plug ‘N Play™ and IP69K.

Flicker Free and flexible dimming

BROILIE™ is Flicker Free and provides stable light without disturbing flicker. The system supports TRIAC dimming and can convert a 0–10 V signal to TRIAC via a 1200 W dimmer. Dimming simulates a natural sunrise and sunset and reduces abrupt changes in light when the lighting is switched on and off. The solution is easy to integrate into both new and existing installations.



TRIAC dimmer – controllable via 0–10 V.

Built for demanding barn environments

Technical data	
Protection rating	IP69K – ammonia-resistant and high-pressure wash proof
Materials	Robust PMMA tubes for professional use
Voltage	230 V – long lighting rows without voltage drop
Dimming	Flicker Free, TRIAC dimming, 0–10 V conversion via 1200 W dimmer

10 years SPEED-LIGHT™ Product Assurance

- **5 years full warranty**
- **+5 years additional Product Assurance**
- 50% discount on spare parts or replacement light sources based on the current price list
- Guarantee that the products remain compatible with each other 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 rows
- 230 V without voltage drop
- 100% Plug 'N Play™
- Robust quality – IP69K
- Flicker Free lighting
- 5 years full warranty + 5 years additional Product Assurance

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

Ready to see the numbers for your barn?

Call us – we will quickly calculate a solution that fits your barn and your operation.

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