



Animal Luminotherapy

Blue Line Animal Luminotherapy has been offering lighting solutions for various livestock buildings (cattle, chickens, pigs, turkeys, etc.) for over 10 years, aiming to enhance productivity and animal welfare. Our lighting systems replicate the solar spectrum inside the farm, which is essential for maximizing animal potential while meeting their energy needs. With natural kelvin ranges and dynamic lighting, we promote animal health and stress management. Our product range is adaptable to all types of production systems.

➤ Nature Above All.

Blue Line offers no artificial RGB lighting (Red – Green – Bleu), as we firmly believe that nature is well-designed. This is why we use only color temperatures (Kelvins) that replicate the full spectrum of sunlight. It is essential to prioritize certain wavelengths at specific stages of animals' lives, but never monochromatic light.

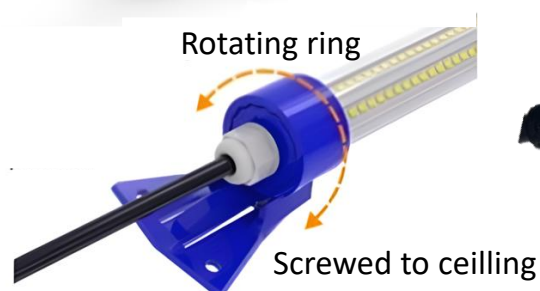
➤ Un luminaire de haute qualité :

- Zero flicker
- 100% lighting uniformity
- Plug and Play « QC »
- Tube T10 - IP67 - liquid resistant
- Dust- and insect-proof
- Dimmable from 0% to 100 %
- 5-year warranty
- Corrosion-, ammonia- and salt-resistant
- Rotating ring adjusts angle and position of luminous flux
- 80,000-hour life
- Conventional with fixed Kelvin from 2500K to 6500K
- Luminotherapy with variable Kelvin
- Available in 4' and 6'
- NEMA 4X
- C-UL-US and DLC PREMIUM certification
- Does not use the RGB system, no monochrome Red - Green - Blue

➤ Operating Cost Reduction

- **Reduced energy consumption** : Thanks to highly efficient LEDs.
- **Lower maintenance costs** : Less need for replacement and reduced maintenance.
5-year warranty.
- **Simplified installation** : Plug and Play luminaire reducing installation labor costs.
- **Improved animal productivity results.**

➤ Easy installation suspended on cable or screwed directly to the ceiling



➤ Plug and Play



LED
180 lm/W

NO
Flicker

5 years
warranty

C-UL-us
standard

corrosion
proof

NEMA 4X
IP67

Dimmable
0 a 100 %



Better Performance for Broiler Chickens :

We tailor the lighting to the needs of broiler chickens at every stage of their growth. Light energy requirements vary between the starter phase and adult phase, creating an optimal environment for the well-being and development of each chicken.



- **Better Feed Conversion** : Tailored lighting can reduce feed consumption by up to two days per batch.
- **Lighting Uniformity** : Even light distribution ensures comfort for all animals.
- **Reduced Mortality** : With dynamic lighting adapted to both the starter and finishing phases of the growth cycle, mortality rates decrease.
- **Lower Downgrade Rates** : Optimized lighting helps improve overall flock quality.

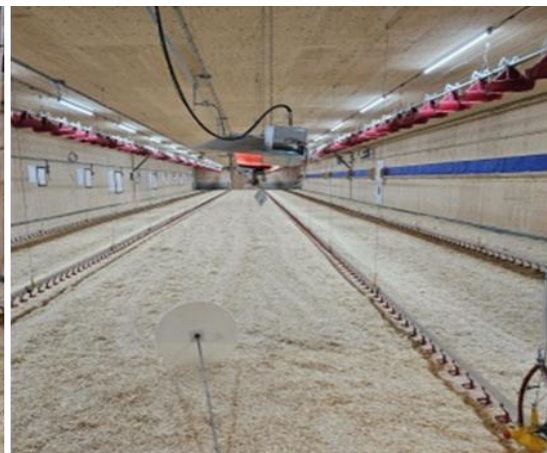


SPECTRA : The High-Performance Lighting Solution Respecting Animal Welfare to Maximize Your Results

The SPECTRA LED tube is designed to provide an adaptable and optimal lighting solution for livestock. With its ability to adjust both light intensity (Lux) and color temperature (Kelvin), SPECTRA can replicate natural light variations in real-time. This creates a controlled and customized lighting environment tailored to each growth stage, ensuring animal welfare while optimizing production. Ideal for farmers focused on performance and livestock comfort, SPECTRA also supports "multi-livestock" systems, making it perfect for mixed-use facilities



- **Versatile lighting** : Perfect for buildings housing different livestock, such as chickens and turkeys, which have varying lighting needs.
- **Scalable Equipment** : Allows adjustment of Lux and Kelvin to meet changing requirements over time.





Better Performance for Layers :

Lighting for layers plays a crucial role in helping them navigate their environment more effectively. Proper lighting encourages hens to lay eggs in the right locations while promoting their overall well-being.

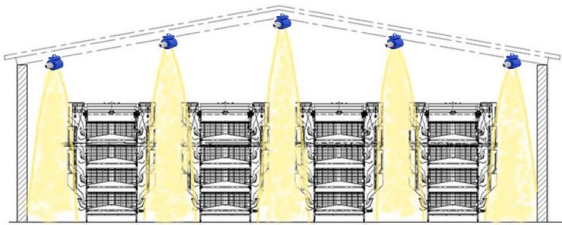


Free-Range layers :

In farm with central nest or aviaries systems, lighting is strategically positioned to stimulate hens and encourage them to lay eggs in the designated nests, reducing out-of-nest laying.

Caged layers :

Using **Blue Line SKYBEAM** the first ceiling tubes with a vertical beam, we increase light levels for lower cages without over-illuminating upper cages. This optimizes feed stimulation and animal comfort for all hens.



- **Improved Laying Rates Without Artificial Colors :**
(No artificial red, blue, or green monochrome lighting).
- **Better Feed Conversion Rate :** Optimized lighting enhances feed efficiency.
- **Lighting Uniformity :** on the floor and in cages.
- **Reduction or Elimination of Floor Eggs :**
Strategically designed lighting minimizes, or even eliminates, floor laying

SPECTRA: The High-Performance Lighting Solution for Pullet Rearing, Respectful of Animal Welfare



The SPECTRA LED tube is specifically designed to provide effective lighting with adjustable light intensity (Lux) and color temperature.

SPECTRA replicates natural light variations, creating a controlled and tailored lighting environment for every stage of animal growth.

This flexibility, combined with our **Blue Line lighting program**, proven in various environments, helps maximize the potential of your pullets while meeting animal welfare standards.

A successful start is crucial to achieving the best results throughout the laying hens' lifecycle. With our program, you benefit from tailored lighting that supports the growth and productivity of your animals, ensuring optimal performance from the very beginning and throughout the laying period.

- **Better Start, Stronger Bone Development:**
Ensures robust hens capable of moving easily in any type of environment.
- **Improved Start for Greater Longevity:**
Promotes better hen longevity and a higher number of eggs laid over their lifetime.



Breeders and Parent stock

Optimal Lighting for Breeding Stock

In breeder houses with nest, it is crucial to provide the right lighting (in terms of Lux and color temperature) in strategic areas. This encourages hens to lay eggs in the designated nests, reducing out-of-nest laying.

The SPECTRA LED tube is specifically designed to deliver effective lighting while respecting animal welfare, thanks to its adjustable light intensity (Lux) and color temperature (Kelvin).

SPECTRA replicates natural light variations, creating a controlled lighting environment tailored to each stage of animal growth, meeting their physiological needs.

SPECTRA for futures Breeders

This flexibility, combined with our **Blue Line lighting program**, proven in various environments, helps optimize the potential of your pullets and roosters while meeting animal welfare standards.

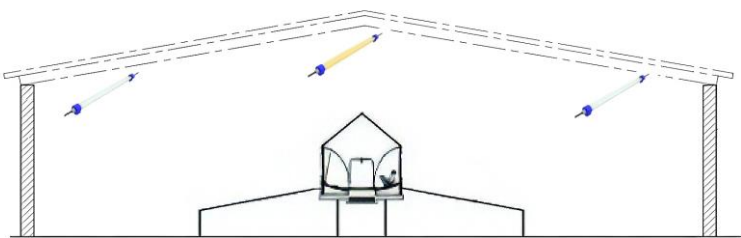
A successful start is crucial to ensuring the best results throughout the lives of your hens and roosters. With our program, you benefit from tailored lighting that supports the growth and productivity of your animals, ensuring optimal performance from the beginning and throughout the laying period.



SPECTRA for Breeders

With SPECTRA, we can create light stimuli throughout the day, energizing the flock without causing stress to the animals. This approach enhances the stimulation of hens and roosters, contributing to improved fertilization rates during the second half of the laying cycle. It optimizes productivity while respecting animal welfare.

- **Improved Laying Rates**
- **Higher Fertilization Rates** : Enhanced sexual stimulation through light stimuli improves fertilization success.
- **Lighting Uniformity** : Even light distribution ensures comfort for all animals.
- **Reduced Mortality** : Optimized lighting contributes to lower mortality rates.



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