

The logo for LENA LIGHTING, featuring a stylized square icon with a circle inside, followed by the text "LENA LIGHTING" in a bold, sans-serif font.

LENA
LIGHTING

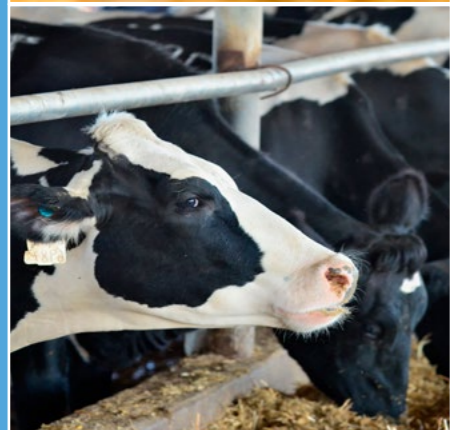
INDUSTRY / AGRO

New light on the Agro market

The right lighting is just as important for the functioning of humans as it is for animals and plants.

A special lamp
TYTAN LED CHEMO
Resistant to Ammonia

One light, many applications.



Breeding of hens and egg production

Adequate lighting on the farm is extremely important, both for the welfare of the animals and for the costs of the breeding itself. Using modern lamps in LED technology increases both the efficiency of breeding and reduces the cost of its maintenance.



Benefits of upgrade:

- + improving animal welfare through better simulation of daylight
- + increasing the efficiency of breeding through appropriate lighting
- + feed utilization increases up to 4%, feed costs decrease, total live weight increases by 5%.
- + birds kept in LED lighting are quieter
- + LEDs eliminate flickering, which has a negative impact on birds
- + less electricity consumption, savings of up to 80%



Breeding of dairy cattle

LED lighting in your barn is a sure investment that gives you measurable benefits in later use. It also improves quality and increases the volume of milk production. The results of the research indicate that cows with access to light for 16 hours at 150 - 200 lux have optimal production results.



Benefits of upgrade:

- + ensuring animals access to appropriate light quality
- + increase in milk production by around 6% compared to conventional lighting
- + LED light reduces stress levels in animals, which improves breeding efficiency
- + with white LED light, it is easier to control possible injury to animals.
- + LED light does not emit UV rays that attract flies and other insects
- + minimising disease by eliminating disease-spreading insects
- + less electricity consumption, savings of up to 80%

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„An unquestionable advantage of LED lighting is the lack of UV light emission, which attracts flies and other insects. This allows us to significantly reduce the risk of disease transmission.“

Raising of pigs

Artificial lighting of the pig house is necessary, especially in winter. Modern technology gives the opportunity to illuminate rooms and reduce electricity bills. Choosing the right light source for your livestock building is of great importance for animal welfare, mental condition, as well as for investment and maintenance costs.

Benefits of upgrade:

- + LED lamps produce more light with less power consumption
- + many times longer operating time compared to standard fluorescent lamps
- + no heating up, which improves animal welfare
- + possibility of colour temperature adaptation
- + insensitivity to frequent toggling
- + high efficiency, up to 100,000 hours of light
- + less electricity consumption, savings of up to 80%



New Light

on the AGRO market



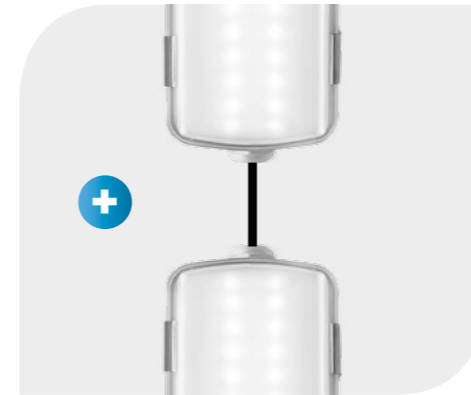
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“Our aim during creating and designing the fitting was to achieve not only excellent, but unique lighting parameters with no harm for aesthetics or ergonomics.

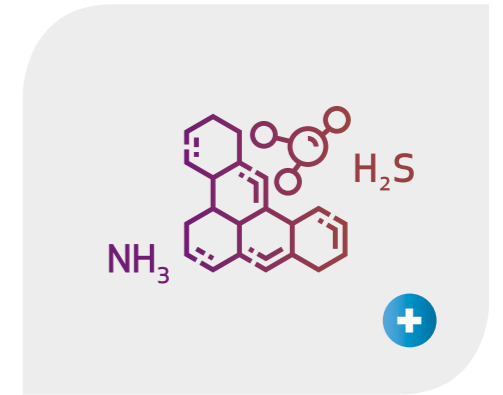
While we were designing the TYTAN LED CHEMO fitting, we tried to look at it from the investor's and the contractor's points of view, considering their needs. Savings at each stage of the investment accompanied by excellent luminous flux 150 lm/W, safety and ergonomics assurance – these are the factors giving advantage to TYTAN LED CHEMO.”



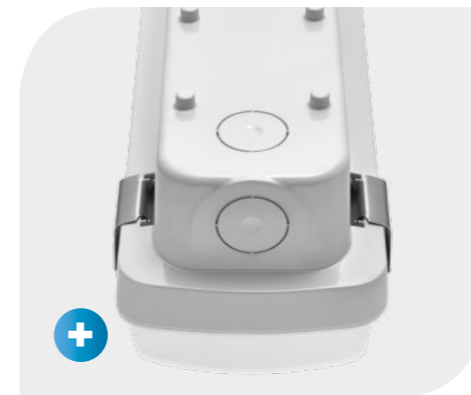

Michał Jaraczewski
Lamp designer



With LS2 through-wiring, the fittings can be easily connected in series.



The body is made of ABS and diffuser of the luminaire is made of copolyester (PCT-G), characterised by higher resistance to chemicals like, for example, ammonia and chemical disinfectants.



The possibility of connecting the power supply from several sides makes assembly easier, even in hard-to-reach places.



Soft start up to 16 minutes for best care about Your animals (optional).

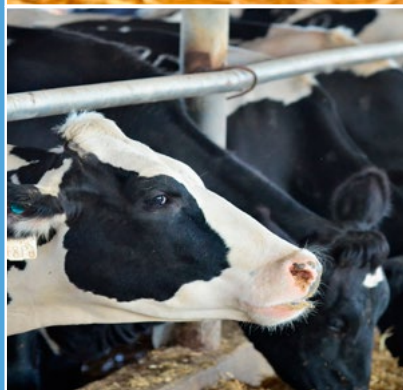
Technical parameters:

- Luminaire power range [W]: 29; 46
- Luminous flux range [lm]: 4500; 7400
- Colour temperature [K]: 4000
- Mounting version: surface; suspended
- Material of the body: ABS
- Diffuser material & type : PCT-G, MAT
- Impact resistance & Ingress protection: IK09, IP66
- Energy efficiency class: A++
- Flicker <5%
- Dimensions [mm]: 85/80/1152
- Soft start up to 16 minutes (optional)
- Features: RCR motion sensor



TYTAN LED
CHEMO

INDUSTRY / AGRO



New **light**
on the AGRO
market



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