



## Effective Light Systems for Animal Production

### VERTICAL & HORIZONTAL LIGHT UNITS

The objective of Gasolec light systems is to have the desired light intensity in those places where it is required. In some cases the light is intended to cover a large surface, in other cases it is focussed on a certain area. Sometimes there is plenty room to install the lamp, in other situations there is very little space available. Gasolec offers two styles of light fixtures to cover any situation. Please check with Gasolec for detailed information.

#### VERTICAL LIGHT UNITS (VLU)

Standard lamp to light large surfaces in a uniform way.

Orion Light System	Intelligent Poultry Light System
VLU-Cable	VLU IPL-Cable
VLU-3-Positions	VLU IPL-3 Positions
VLU-HIP	VLU IPL-HIP
VLU-34	
VLU-FIP	

#### HORIZONTAL LIGHT UNITS (HLU)

Standard lamp for installation inside or under aviary systems and for lighting corridors in between cages.

Orion Light System	Intelligent Poultry Light System
HLU	HLU IPL
HLU-K	HLU IPL-K
HLUDA	
HLUDA-K	

### SAVE COST AND ENERGY !

The average lifetime of our lamps is approximately 8,000 to 10,000 hours, about 10 times more than an incandescent lamp. Gasolec Light Systems can lead to 85% energy savings compared with standard incandescent lamps and to over 50% savings compared with fluorescent tubes!

Light Source	Output in Lumen	Power Consumption
100W incandescent white	1300*	100 W
• Gasolec VLU 11W Green	1200	15 W
• Gasolec VLU IPL 11W Green	1200	12 W

75W incandescent white	930*	75 W
• Gasolec VLU 11W White	900	15 W
• Gasolec VLU IPL 11W White	900	12 W
• Gasolec VLU 11W Red	650	15 W
• Gasolec VLU IPL 11W Red	650	12 W

\* Indications only



### INFORMATION AND ADVICE

The website [www.gasolec.com](http://www.gasolec.com) provides more specific product features and extended information on applications. For specialized advice or detailed answers to your questions Gasolec invites you to contact your local dealer or Gasolec directly.

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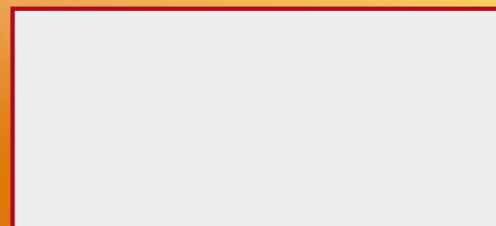
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Your local dealer



*Cutting edge technology  
for the intensive livestock industry*



### EXPERT IN MONOCHROMATIC LIGHT

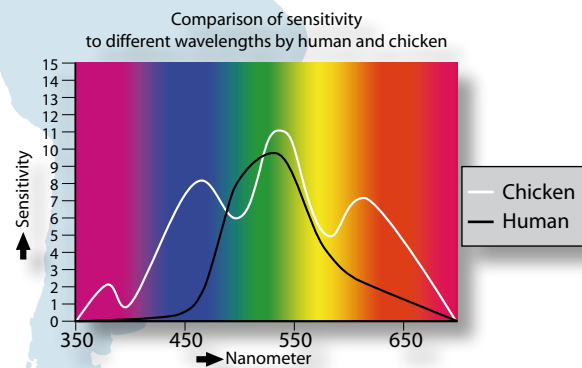
Since the successful market introduction in 1997 Gasolec is the worldwide leading producer of monochromatic light systems. The unique monochromatic light concept improves business results in animal production considerably.

### EFFECTIVE POULTRY MANAGEMENT

Light has become a major factor in today's poultry management. Gasolec utilized the latest market research findings, insights and technology in the development of its effective monochromatic light systems. By using specific colours in the right intensity and by taking care of the absence of unwanted colours the behaviour of your animals will be influenced.

### WELL-CONSIDERED COLOUR MANAGEMENT

- Activates birds to start drinking and eating
- Improves the Feed Conversion Rate
- Increases the average body weight
- Realizes more flock uniformity
- Makes the animals spread better
- Reduces animal stress
- Eliminates cannibalism
- Diminishes waste of drinking water
- Stimulates egg production
- Extends the productivity of all birds

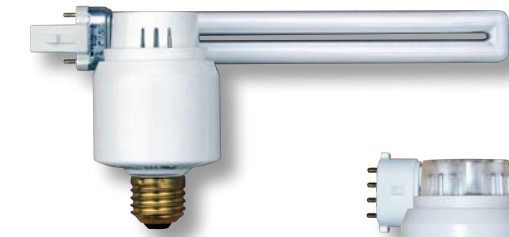


### COLOUR SPECTRUM

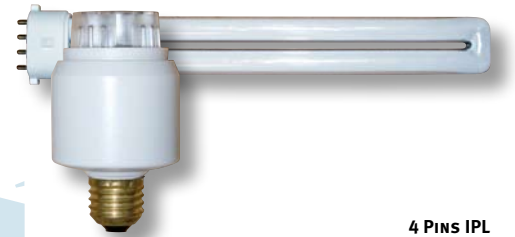
- RED:** Red light penetrates the poultry head through the eyes as well as through the skull. It stimulates reproductive processes and reduces aggressiveness.
- BLUE:** Blue light stimulates the growth of muscle cells and keeps animals calmer. Using blue light for 2-3 days generally eliminates cannibalism.
- GREEN:** Green light stimulates cell multiplication. It increases the visibility for humans and activates young birds to find a drinking and eating place.
- WHITE:** Extra warm white light with a high percentage of red waves gives good visibility and high lumen output. The red spectrum stimulates the reproductive processes.



VLU CABLE



2 PINS ORION



4 PINS IPL

### GASOLEC ORION LIGHT SYSTEM

Gasolec started with her Orion Light System in 1997 as a new, energy efficient and durable Monochromatic Light system. The system has a great light uniformity and is being used in thousands of poultry houses all over the world.

### UNIQUE FEATURES

- Dimming from 100% to 70% or 100% to 50-55%, depending on the type of dimmer and lamps
- Output 11W CFLS Orionlux lamps:
  - Green: 1200 Lumen
  - White: 900 Lumen
  - Red: 650 Lumen
  - Blue: 300 Lumen
- Power consumption per Orion Light Unit: Lamp 11W, adapter 4W
- All lamps operate at 50 or 60Hz
- All light units come with a protective cover around the lamp
- All models meet the IP65 protection standards and are ENEC / KEMA certified (except for the VLU-34 and VLU-FIP types)



HLU



HLUDA



DIMMERS

### INTELLIGENT POULTRY LIGHT SYSTEM (IPL)

In recent years Gasolec learned that quite some poultry houses had extra needs asking for a more advanced light system. For those farmers who want to get extra benefits from their light system and who are willing to increase investments Gasolec developed the Intelligent Poultry Light System. The IPL System is based on using specially engineered lamps and ballasts. The fixtures are the same as for the Gasolec Orion Light System.

### EXCELLENT FEATURES

- High Frequency system, lamps operate at 50,000Hz
- Dimming possible from 100% to 5%
- Lamps can be started safely at any level
- Power Factor over 0.98
- Even 20% less power consumption than the Orion Light System
- Power consumption per IPL Light Unit: Lamp 11W, adapter 1W
- Dimmer available for 1-200 lamp units

