

ADVANCED HENHOUSE LED FARMING LIGHT PRODUCT CATALOG

FARM IP67



BIOLED ADVANCED GROW LIGHT SYSTEMS

GROW ANYTHING ANYWHERE, ANYTIME

Bioled is a global provider of smart lighting for crop and farming cultivation. The company's line of advanced LED solutions delivers industry-best efficiency and durability for greenhouses and henhouses. Anchored by groundbreaking technology, Bioled's user-friendly solutions enable optimal lighting based on specific requirements and conditions to increase quality, lower costs, and enhance profitability for growers worldwide. Led by a team of professionals with extensive R&D, engineering, and electronic manufacturing and design experience, Bioled's fully upgradeable solutions and cloud-managed smart greenhouse and henhouse lighting systems are leading the way in high-tech farming.



FARM IP67

DYNAMIC SPECTRUM

Advanced, programmable
henhouse IoT lighting system

The FARM IP67 is a modular, light tube solution for henhouses that directly connects either to Bioled's IoT system or to the electricity network (AC or DC). The solution seamlessly integrates with any standard henhouse control system, and can be managed by the Bioled application. FARM IP67 is a heavy-duty yet lightweight solution offering industry-best efficiency and durability, as well as a 3-to-5-year warranty.

Anchored by Osram LED chip technology, the powerful, low-cost solution incorporates a wide range of spectrums, each customizable for specific growing conditions and requirements, to enable optimal lighting. Part of Bioled's leading line of advanced LED solutions, FARM IP67 is designed for the most extreme climatic conditions and suitable for any farming environment.



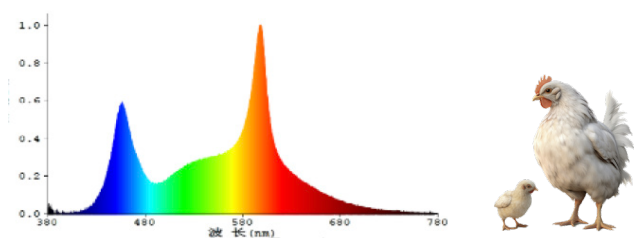
HIGHLIGHTS

- Connects up to 150 luminaries
- Connects multiple henhouses to a network via Wi-Fi or a SIM card
- Maintains monitoring, alarm and notification capabilities for smart phones, tablets and computers
- Easily integrates with henhouse management systems
- Features plug-and-play installation that requires no infrastructure, garlands or tools
- Easily programs and controls via schedule, intensity and spectrum - multiple henhouses (optional)

LED POULTRY SPECTRUM BENEFITS

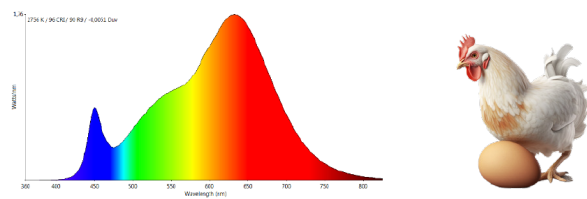
Broilers (for more meats)

- Light for growth and feed intake
- Reduces breast meat yield
- Increases leg meat yield

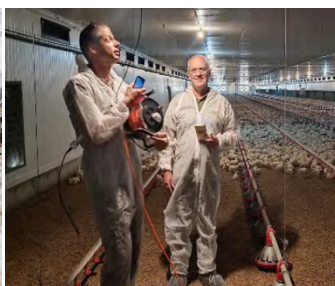


Breeders & Layers (for more eggs)

- Impacts number and mass of eggs (red > yellow > white > green > blue)
- Red light promotes hormone secretion that easily leads to high yield syndrome



Broilers Henhouse
Israel



Broilers Henhouse
Israel



Breeders Henhouse
Israel



Breeders Henhouse
Henhouse, Israel

FEATURES

Durable and Lightweight Polycarbonate Body

Flame retardant UL94v-0

Impact resistant IK10

Waterproof and dustproof IP67

UV stabilized

Highly Efficiency 170lm/W LED Light System

Power factor > 0.99

Temperature -20+70°C (-4-158°F)

Thermal management Automatic control

Lifetime 60,000 hours

Beam angle 120°

Cable length 3.7m

Beam deflection Beamable

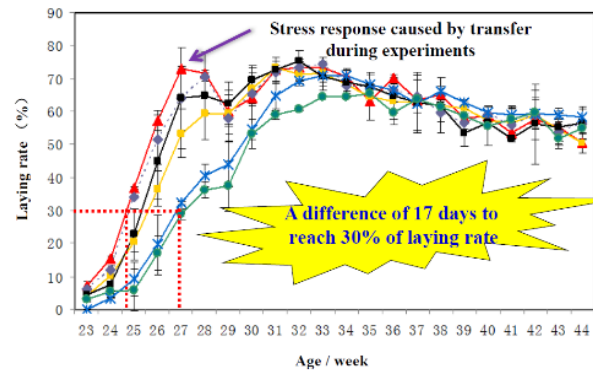
LED chip Osram

Warranty 3-5 years

SPECTRUM

Choose the Right Spectrum

Bioled offers a wide range of spectrum options from which to choose



Input Voltage 90-300VAC/DC (connects with or without a driver)

Power (luminaires) 1-12W (Dimmable)

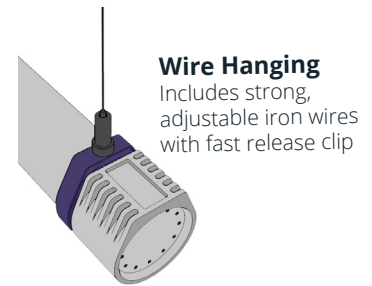
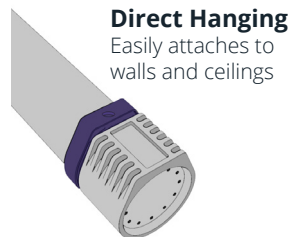
Power (w/ driver IoT) 1000W (up to 150 luminaires)

SINGLE-LIGHT FIXTURE

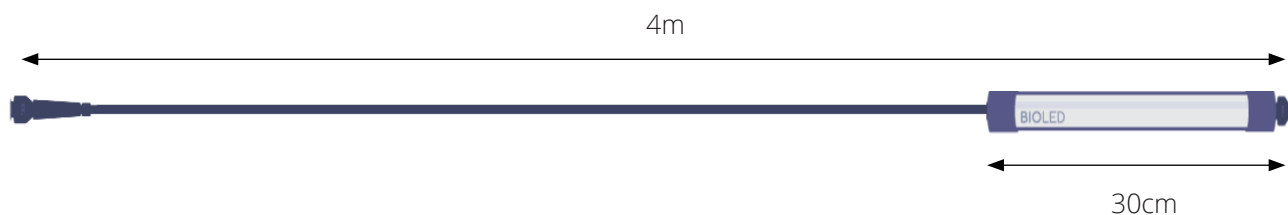
Durable and lightweight polycarbonate body

Each tube light comes with two mount clips and iron wires

Easy and fast installation



DIMENSIONS



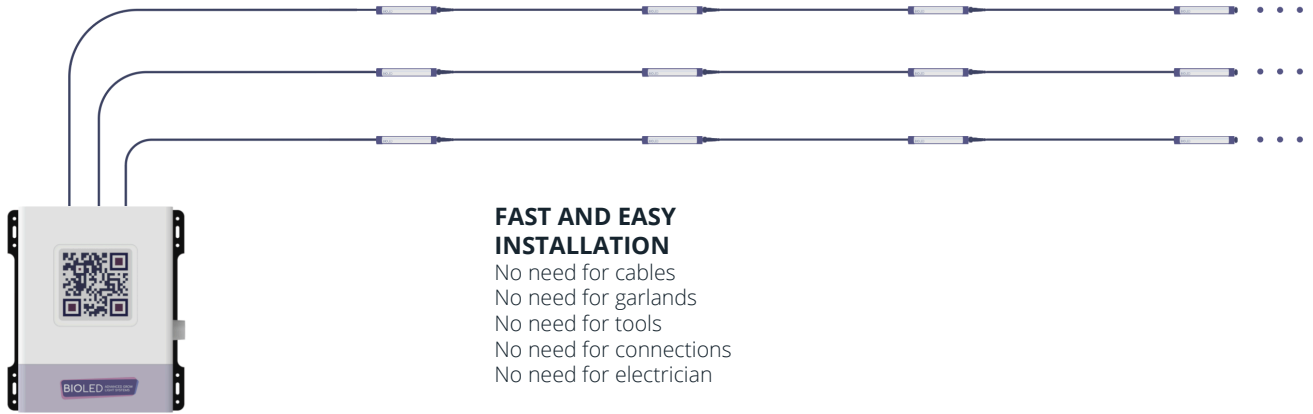
BRIDGING

Bidirectional fast-reliance connector for easily bridging of up to 150 fixtures from a single source



HENHOUSE LIGHTING CONTROL UNIT

Easily programs and controls - via schedule, intensity and spectrum - multiple henhouses (optional)



FAST AND EASY INSTALLATION

- No need for cables
- No need for garlands
- No need for tools
- No need for connections
- No need for electrician

WiFi and SIM Card
Wireless Communication

CROSS-PLATFORM

Advanced intuitive light managing apps for IOS, Android and Windows



PREMIUM SERVICES

Remote, in-house energy management support and external professional consultation for farmers



MONITORING & ANALYSIS

Machine learning and artificial intelligence capabilities for enhancing henhouse performance



API INTEGRATION

Seamless integration with complementary systems for enabling remote and centralized lighting control and operations



ADVANCED LED CHIP BY:

OSRAM

PARTNERING WITH:

PLASSON

GROW ANYTHING ANYWHERE, ANYTIME