



KEEP REENGINEERING, KEEP INNOVATING



LED LIGHTING SYSTEM



Crown bulb is an aluminum-based bulb designed for poultry farms, ensuring fireproofing and efficient heat dissipation. Its lens cover is made of Lexan polycarbonate plastic that eliminates shattering or cracking.

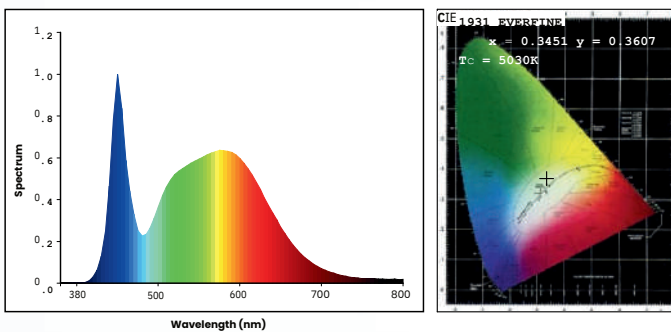
FEATURES

- ✓ Designed specifically for poultry applications
- ✓ Unique design with 270 degrees lighting distribution
- ✓ High lighting efficiency with 190-195 lumen/w 0.5w 2835 SMD LED
- ✓ IP66 rated with aviation glue, the same kind used in planes and car production
- ✓ D-mark approval
- ✓ 100% aluminum heat sink with a long lifespan
- ✓ Smooth dimming function from 0-100%, without any flickering



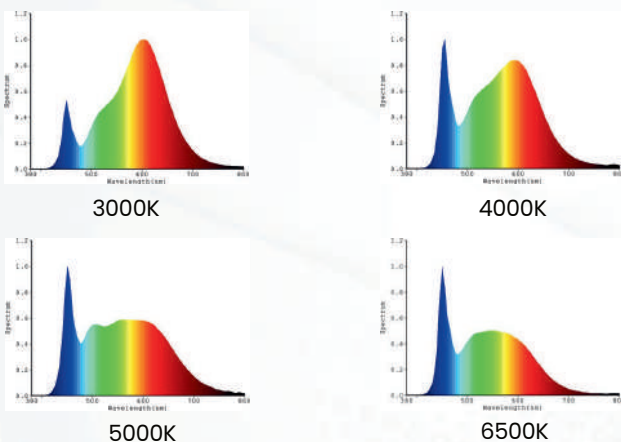
The installation process is made effortless with the quick connector

SPECTOGRAM



The Variable Output Broiler Fixture utilizes Broilers Friend LED lighting technology to enhance productivity and offer optimal lighting for poultry growers who use 110V/230V poultry house lighting.

- Brood lighting: full spectrum with enhanced 440nm blue and 630nm red wavelengths
- Grow-out lighting: full spectrum with predominant 440nm wavelengths
- Moonlighting / Catch-lighting: monochromatic blue 440nm light

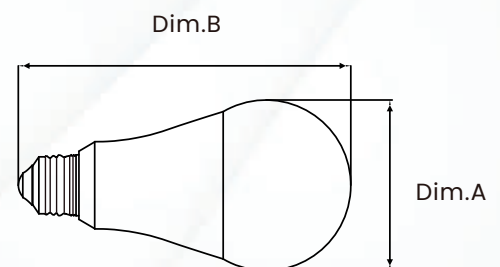


SPECIFICATION

Model No. :	BU60A-7W	BU65A-11W
Input Voltage:	AC85-127V/AC200-	AC85-127V/AC200-
Power:	240V 7W	240V 11W
Luminous Efficiency:	135LM/W	135LM/W
CCT:	2700-6500K	2700-6500K
Waterproof Level:	IP66	IP66
Luminous:	945LM	1485LM
Dimming range:	0%-100%	0%-100%
Beam Angle:	270o	270o
LED Quantity:	24PCS	48PCS
LED Types:	SMD2835	SMD2835
Warranty:	5 Years	5 Years
Surface treatment:	Alumite treatment	Alumite treatment
Material:	Aluminum alloy	Aluminum alloy
Life:	50,000H	50,000H
Working temperature:	-20o-40o	-20o-40o
Weight:	143g	193g

DIMENSION

unit in : mm



Model	Dim.A	Dim.B
BU60A-7W	Φ65	120
BU65A-11W	Φ70	132

Key Benefits

of Lighting Solution for poultry house

✓ Improve Animal Production

Lighting solutions can boost the performance of broilers by increasing weight gain and feed conversion rates, while laying hens can benefit from extended peak periods and increased egg production.

✓ Improve Animal Welfare

A new lighting solution for poultry farming uses flicker-free dimming technology to simulate natural lighting, reducing stress, aggression, and feather pecking among flock members, resulting in improved overall mortality rates.

✓ Uniform Lighting Distribution

Improved lighting solution for barns ensures even light distribution that promotes uniform growth of animals and improves egg quality, leading to enhanced overall efficiency of the operation.

✓ High Performance LED Lighting

Our barn lighting solutions provide durable and reliable performance, with over 80,000 hours of lifespan and a 5-year warranty. They are designed to withstand harsh barn environments, high-pressure washdowns, and feature an easy Plug & Play connection system for easy installation.

Optimal lighting is crucial for poultry production and welfare. Five key aspects need to be considered for the effect of light on poultry growth.

Light Distribution

Proper light distribution is crucial for poultry production and animal welfare. Uneven light can cause broilers to cluster and compete for resources, increasing heating costs. Even light distribution can reduce mortality rates, enhance animal welfare, and promote uniform growth.

Photoperiod & Light Intensity

Appropriate light intensity and duration are essential in poultry farming to improve production. Different types of poultry require specific photoperiod and light intensity tailored to their unique characteristics.

Flicker

Flicker-free lighting is crucial in poultry farming as flicker causes stress in poultry, which can lead to reduced growth, appetite, egg-laying rates, and increased mortality rates.

Dimmability

To provide a comfortable environment for poultry, it is important to have uniform and adjustable lighting that simulates a gradual natural sunrise and sunset, as abrupt lighting changes can cause distress.

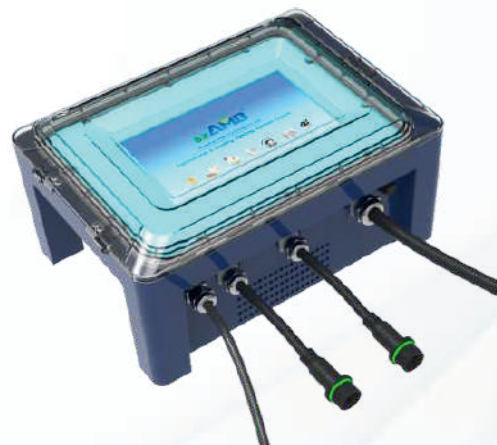
Light Spectrum

Broad-spectrum lighting can improve the welfare and performance of poultry by enhancing their vision and simulating natural daylight.

Smart Control Dimmer & Timer

FEATURES

- ✓ Precise and consistent
- ✓ Improves animal welfare
- ✓ Schedule up (Broilers / Layer hens) or Support DIY set up
- ✓ Built-in Digital CPU with smart timing + dim control
- ✓ Program timed or temporary dimming override
- ✓ Transition time available for daylight simulation
- ✓ Fully automatic control or manual options
- ✓ 7 Inches LCD display
- ✓ Incremental dimming
- ✓ Leading edge & Trailing edge Triac dimming + 0-10v controlling signal
- ✓ Battery Back-Up to ensure the programmed cycle not be affected by power outages or downtime during the switch over to back up generator.



AMB-IDS-2000-1C
(One Channel Version)
AMB-IDS-4000-2C
(Two Channel Version)

2000W/4000W
Master & Slave

Month	Day	Year	Start	L1+L2-Table			
	Start Day	End Day	Hour	Min	Light Level	Ramp Minutes	
1	1	7	1	4	50	1	Save
2	1	7	10	5	10	5	Clear
3	1	7	23	4	0.0	1	
4	8	52	6	5	65	5	▲
5	8	52	10	0	10	1	Page 1/10
6	8	52	23	4	0	5	▼
7	0	0	0	5	0	1	
8	0	0	0	4	0	5	
9	0	0	0	5	0	1	Exit
10	0	0	0	0	0	5	

Auto-Programming Setting



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SCAN
FOR MORE ENQUIRY

