

## Understanding Poultry Lighting

### Custom Design

“Commercial operations are divided into Breeder, Pullet and Rooster houses, and each house operation requires a simulated spectrum for optimized results.”

Late 2017, ProAG was invited to design lighting for the world’s largest new chicken farming operation. Lighting quality & Avg. Lux are the keys success.

Our design team applied provided CAD drawings to AGI 32, the industry’s most advanced lighting rendering system; moreover, we have rendered 3D images for clients to visualize the lighting results, 10 months ahead of construction schedule.

Breeder, Pullet and Rooster houses are required to use different CCT to ensure right spectrum, thus, 2700K, 3000K, and 5000K lighting in these growing houses will project Safety, Warmth and Daylighting for birds.

The lighting luminaire was later determined and engineered to perform our rendering results. ProAG 15W with 130+ lumen per watt output is the most cost effective system for any modern poultry growing operation.



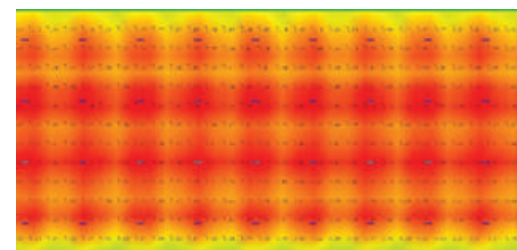
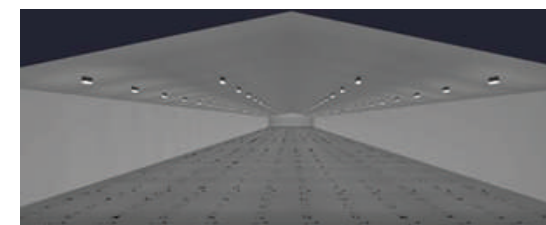
Professional Lighting Design



Heavy-duty Lighting Construction



Custom CCT for Breeder Pullet & Rooster



- AGI32 3D Lighting Rendering Design

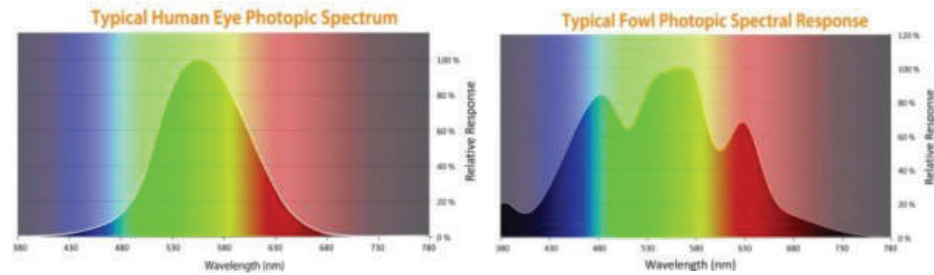


# LPP Story Implementation

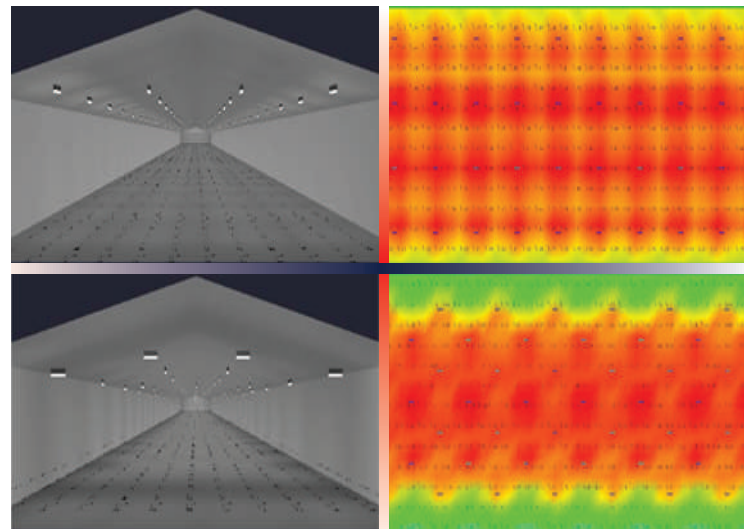
Designing, Manufacturing & Distributing for 572 Farms.

The breeder houses with 2700K lighting will experience slightly less fixture output than 5000K, due to its low CCT. Therefore, lighting spacing is crucial, ProAG design team engaged with end user multiple times to ensure project implementation success.

## “ANIMALS SEE DIFFERENT”



The ProAG Vapor Series makes it easy to improve production and animal welfare by providing daylight simulation with its advanced, species-specific, custom design built. The red spectrum used has been shown to decrease time to peak production by stimulating the release of two reproduction regulating hormones essential for sexual maturation and daily egg laying. Sunrise and sunset simulation eliminates the stress of switching lights on and off abruptly. This lessens overall stress in flock and lowers mortality, while improving immune response and animal welfare.



- AGI32 3D Lighting Rendering Design

## The ProAG Difference

- Global Manufacturing Advantage
- 10 Year Limited Product Warranty
- 24 Hours Technical Support
- Onsite Inspection Assistance
- Texas Distribution Center

