



- *Species-specific spectrum*
- *Higher quality egg production*
- *Automatic and manual scheduling modes*
- *LumiCoop™ Bluetooth enabled App*
- *Reduce seasonal variation*
- *Improves animal welfare*

Promotes Year-Round Egg Laying

The LumiCoop™ is an easy-to-install, fully dimmable, programmable chicken coop lighting system designed to promote year-round egg production in backyard chickens by using a species-specific light spectrum throughout the coop. The Bluetooth-enabled LumiCoop™ App allows for full control over the system from your phone.

Reduce seasonal variation and improve egg production

The major environmental cue for control of reproduction is day length. Chickens are long-day breeders, therefore increasing day lengths (spring) stimulate egg production whereas decreasing day lengths (fall) reduce egg production.

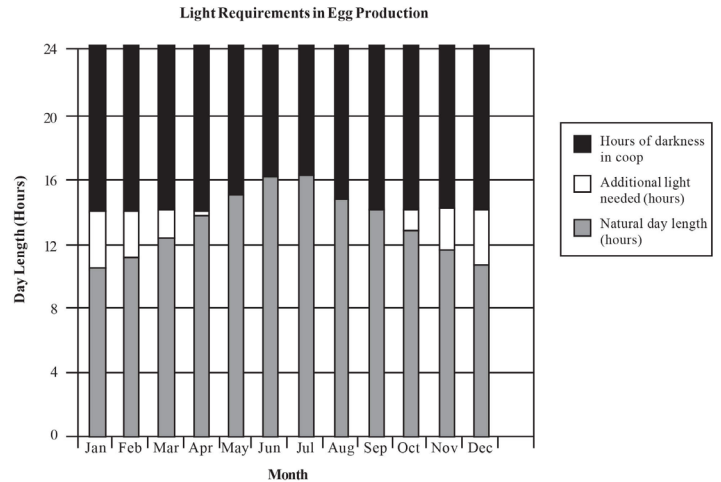
Red Light Promotes Reproductive Performance

While all wavelengths are perceived by the chicken's visual system, red light penetrates the chicken's skull and regulates the production of melatonin, luteinizing hormone (LH), and follicle-stimulating hormone (FSH). These hormones naturally control circadian rhythmicity, seasonality and reproductive behaviors.

SYSTEM FACTS			
Input Voltage	12V DC	Water Ingress	Suitable for wet locations
Spectral Output	Layer specific red and blue enhanced	Rated Life	25,000 hours
		Limited Warranty	1 year (24/7 operation)

Advised LumiCoop™ Lighting Schedule

To maintain production in hens of laying age (16 weeks and older) during shorter day lengths, it is recommended to provide 14-16 hours of light per day. Approximately 14 hours of light per day is required to stimulate a hen to lay an egg. Anything below that will cause her reproductive cycle to shut down, triggering the hen to cease egg production until spring when the natural day length will increase to sufficient levels once again. Artificial light needs to be applied when the day length approaches 15 hours per day; which happens in September. Any supplemental light should be added during the morning hours, as sudden darkness can cause chickens to panic and pile up in a corner, which can consequently cause them to suffocate each other. By applying extra light in the morning rather than the evening, chickens will naturally go to roost with the setting of the sun (Zadina and Schielder, 2004).



Package Contents Include:

- Red Roosting Module light to be placed inside the roosting coop area (A)
- Two (2) Daylight Module* lights for outside in the run area (B)
- 8 ft 16 AWG Cable (C)
- Control Box with an Input Power Cord housing both the Bluetooth and photosensor (D) (E)
- Wall Plug-In or Battery Adaptor for the option to power through electrical outlet or solar panels (F) (G)
- Six (6) Zip Ties to assist with mounting** to the coop (H)

