

EconoLux Announces PAR Curve LED "Grow Light on a Chip"

EconoLux Industries Limited announces the world's first LED, 100 Watt, "LED grow light on a chip", that offers a 90% to 95% match to the PAR curve.

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/EINPresswire.com/ -- EconoLux Announces World's First PAR Curve LED "Grow Light on a Chip"

Hong Kong, China: Today, EconoLux Industries Limited (a Hong Kong registered company), is pleased to announce the introduction of the world's first LED, 100 watt, COB, "LED grow light on a chip", that offers a 90% to 95% match to the PAR curve, while producing high PAR of 3.36 to 3,47 PPF/Watt (depending on model).

When compared to standard curves for the absorption of Chlorophyll and Beta Carotene, the match of the new EconoLux COBs to those curves is almost perfect.

There is more information on the ELPL-COB-100W series

available on the EconoLux Industries website at www.econoluxindustries.com/Products/ELPL-LED-COB.html

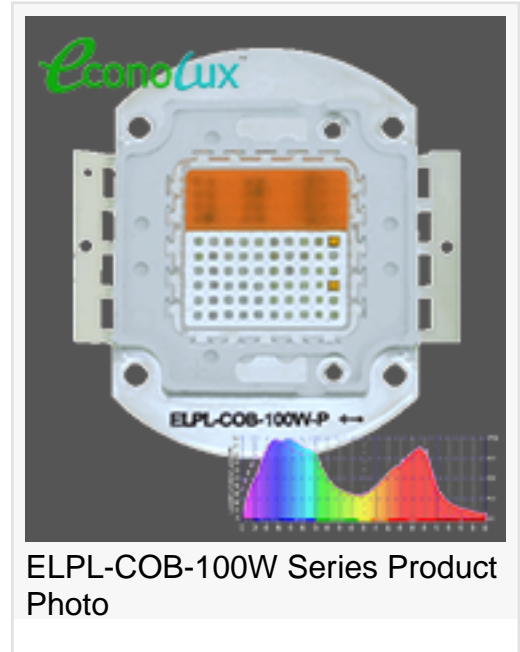
Inventor Michael Roberts, CTO of EconoLux Industries, said; "It has taken us over 2 years, and hundreds of prototypes to perfect the spectrum of these COBs. Along the way, we have had to develop special techniques for the assembly of these 'LED Grow lights on a chip', as well as designing a special Broadband Red coating to optimize the spectrum".

The ELPL-COB-100W series of 100 Watt, LED Grow Light-engines offers an exceptional 24 bands (wavelengths) of LEDs in order to provide the closest match to the PAR curve available, all in a compact COB (Chip On Board) package. The ELPL-COB-100W-P provides a 90% match to the PAR curve and can be used with any type of plants, while the ELPL-COB-100W-PF offers a 95% match to the PAR curve, with additional red light, for cultivating flowering or fruiting plants.

While there are already a plethora of LED grow lights on the market, the EconoLux PRO-LED series (<http://www.econoluxindustries.com/Products/PRO-LED.html>) is the only product on the market based on the ELPL-COB-100W series of "LED grow-lights on a chip" which offers a very close match to the PAR curve - the light spectrum that plants need to thrive.

The ELPL-COB-100W series is a complete LED grow light-engine on a COB chip. It produces the desired PAR curve spectrum with no need for any external LEDs or components (other than a 100W LED driver). This makes it possible for everyone from a DIY enthusiast, to major manufacturers, to build LED grow lights, with a 90% to 95% match to the PAR curve, based on the EconoLux ELPL-COB-100W series of COBs.

The company will shortly introduce 200 watt versions, with the same PAR curve spectrum, to meet the demand for higher power LED grow light models.



ELPL-COB-100W Series Product Photo

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