

NEWS

EVERLIGHT'S Complete Portfolio of Agriculture LEDs meets Different Plant & Livestock Requirements

Shulin, New Taipei City – May 8, 2017 – EVERLIGHT Electronics Co., Ltd. 【TSE:2393】 , a leading player in the global LED and optoelectronics industry, is going to exhibit its comprehensive portfolio of agricultural lighting LEDs at LIGHTFAIR INTERNATIONAL in Philadelphia/USA. It includes a variety of high-power, medium-power and low-power products that meet various kinds of market demands. Different environments, animals and plants need different combinations to achieve maximum productivity and also energy-savings. We sincerely welcome you to visit the EVERLIGHT booth at #2701 to see everything in person.

The world population was 2.5 billion people in 1950 and has grown to 7.4 billion people in 2016, about 3-times higher. It is estimated that the world population will exceed 10 billion people by 2050. Population explosion will stretch thin our global resources and force conventional agriculture to search for higher productivity and energy-saving solutions to cope with the growing demands. Consequently, large plant production factories and agriculture LED lighting will play a significant role in alleviating the supply and demand balance, but also assist in slowing down climate change.

EVERLIGHT in particular has developed the comprehensive portfolio of agriculture LEDs with full wavelength coverage (450nm ~ 730nm). The most needed packages for the market now are high-power ceramic based LEDs with domed lenses to effectively control total heat in the lighting system and extract performance from the package. EVERLIGHT's package solution is the EAHP3535 series (3.5x3.5x2.03mm). The Royal Blue (450nm) is operative up to 4.5W and has a WPE of over 65% while the Deep Red (660nm) also has a WPE of over 65% and is able to obtain a 4.7 PPF that facilitates optimum photosynthesis to accelerate plant growth. EVERLIGHT has also developed two handy medium-power LEDs, EAHP3030 (3.0x3.0x0.63mm) and EAHP2835 (2.8x3.5x0.65mm). Both are applicable to plant factories or vertical farming. With this comprehensive portfolio, customers can choose their appropriate lighting solutions according to the wavelength, power and size.

Agriculture LED lighting, however, is not only about selecting the right combinations of wavelength, power, and size. EVERLIGHT is one of the first LED manufacturers that have put monochromatic LEDs through LM-80 testing to provide accurate and guaranteed LED lifespans. EVERLIGHT integrates its professional R&D, Sales and Market teams to continuously pursue innovation and technical breakthroughs so as to provide customers with impressive product solutions.

Product Picture:



EVERLIGHT's comprehensive portfolio of Agriculture LEDs meet different plant requirements.
(Proper package structure and product materials will be selected according to customer requirements)
Source: EVERLIGHT Electronics Co., Ltd.