

PhytoLux features in leading innovation website

LEO (Leading Edge Only) is the world's leading Innovation Marketplace and provides a platform for corporations, consultancies, governments and other major organisations seeking new innovative solutions to quickly and cost effectively access those providing the latest innovations in technologies, products and other solutions.

PhytoLux has designed and developed a low energy LED plant growth lighting solution that is proven to improve plant response and yield, thus allowing the growing season to be extended and profit to be maximised.

PhytoLux is at the forefront of a unique engineering approach to LED plant growth lighting technology. By sharing knowledge with UK research scientists, horticulturists and growers, PhytoLux has developed a family of low energy LED plant growth lights with proven results that provide a commercially viable option for the sector to reduce costs and maximise sales and profits.



25th November 2015



Having worked in partnership since 2011 with over 50 UK clients, embracing 26 universities, 10 research institutions and 18 commercial growers, PhytoLux has developed a family of plant growth lights to provide a low energy, high micromole solution that delivers;

- Up to 70% energy saving over conventional lighting
- Improved plant response and yield
- High scatter and maximum light penetration through engineered angled heads
- Light output equivalent to 400W or 600W High Pressure Sodium lights (HPS)

PhytoLux has also developed the world's first LED plant growth solution allowing the scientist to manipulate 14 spectral wavelengths. The PhytoLux LED Research Panel Light has the following attributes:

- A modular design for flexible configuration
- A highly effective software control system based upon open standard DALI control protocol
- Full climate control, energy management and lighting manipulation
- Remote control through internet, wi-fi and PDA

This unique plant lighting solution paves the way for:

- Manipulation of light and spectral wavelength, advancing scientific research into plant physiology
- Improvement in plant sustainability and nutritional content
- Suppression of insect blight and plant disease

