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## PhytoLux sponsors "Green Impact" Awards at the University of Bristol

"Green Impact", is an environmental accreditation and awards scheme run by the National Union of Students (NUS), bringing together staff and students to encourage campuses, curriculums and communities to 'go green' across the country. **The University of Bristol**, who initiated the scheme with the NUS, hosted their 7<sup>th</sup> awards at a joint ceremony with the **University Hospitals Bristol Trust** and **PhytoLux** was delighted to co-sponsor the event.



Laura McLean of PhytoLux with Chris Jones, Sustainability Manager at the University of Bristol at the **Green Impact Awards**

**PhytoLux** has been working with the University of Bristol since September 2014, trialling PhytoLux LED lights with the view to replace the traditional SON-Ts used in the roof-top Grodome facility, *opened by Sir. David Attenborough in 2014*. The PhytoLux lights have performed very well in trials, with growth being more vigorous and plants stockier and darker than their counterparts under SON-T and fluorescent lamps. Some example photographs that show the excellent results achieved can be seen below.

Most importantly for the university, the energy saved over the winter trial period was **an impressive 71.4%**. PhytoLux will continue to work with Bristol to support them in their drive for energy reduction and green initiatives across the university.

Continued...

## A unique engineering approach...

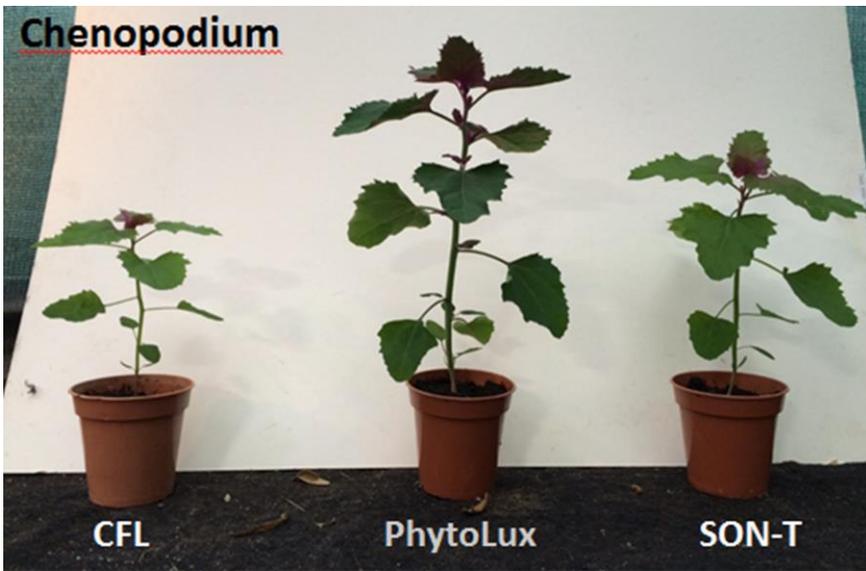
For the past four years the key focus of the PhytoLux team has been the development of a suite of generic supplemental top lights that will result in winter growing becoming a commercially viable option. PhytoLux is not alone in this. With a number of credible LED plant growth lighting companies operating in the sector, the value of using this technology is now proven and becoming a solution of choice for the industry. With the unique engineering approach taken by PhytoLux we have been able to work closely with many commercial growers, universities and research institutions, at all times sharing our knowledge, to provide a high quality solution that ensures the best outcome for all involved. As a consequence, PhytoLux provides a solution that includes;

- **High quality, 'single bin' LED chips supplied by one of the world's leading chip manufacturers**
- **A patented passive thermal management system with an aluminium heat sink that doesn't require cooling fans**
- **Low maintenance and long life units**
- **Specific wavelength spectrums to provide an optimum, highly efficient and generic light source**
- **Knowledge transfer enabling optimisation for the end user**

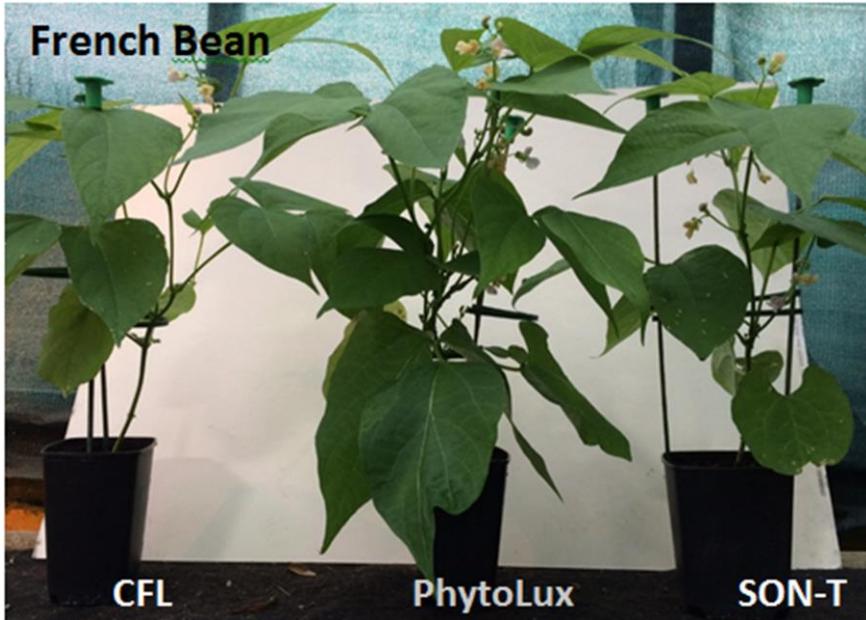
If you would like to know more, please contact us on **0844 880 4763** or by email [enquiries@phytolux.com](mailto:enquiries@phytolux.com) so we can help you understand the potential of LED plant growth technology.



## Chenopodium



## French Bean



## PhytoLux - helping your cash flow!

PhytoLux is in partnership with a number of lease financiers to offer customers a flexible financing solution to match their requirements and circumstances. Whilst an outright purchase is simple, it can impact short-term cash flow, undesirable if coinciding with heavy seasonal costs. The PhytoLux lease finance option allows for early adoption of LED technology without affecting business viability.

IMPROVE **YOUR** CASHFLOW



The latest news, views and industry information from the LED plant growth lighting specialists

## PhytoLux to exhibit at the UK's Premier Show for Ornamental Horticulture

PhytoLux will be exhibiting at the Four Oaks Trade Show in Cheshire on the 8<sup>th</sup> and 9<sup>th</sup> September 2015. Come and meet us if you would like to hear more about how we have been working with UK universities, research institutions and commercial growers. These collaborative partnerships have enabled us to develop our Attis range of LED lights to provide a complete solution to efficient, effective and economic plant growth lighting.

**STAND C74a**



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# PhytoLux Attis-7 features in Bangor University's Newsletter

29.05.15



Have you noticed the pink glow from the roof of the Memorial Building?

You may have noticed a pink glow from the roof of the Memorial Building recently. Far from being an alternative location for a student nightclub, it is in fact down to the new eco-friendly horticultural LED lighting system installed in the 3 greenhouses on the building! Senior CNS Technician, Gordon Turner first came up with the idea, which he presented to the University's Sustainability Task Group. From there the proposal was taken to the Estates Energy Management Group, who implemented the scheme as part of their annual "Invest to Save" programme.

Gordon explains: *"The previous lighting system was inefficient and unreliable, costing the University around £25 each day in electricity and maintenance costs. The new energy efficient Phytolux LED arrays provide an optimum selection of wavelengths for photosynthesis (hence the pink glow) that will almost half these costs. The arrays will pay for themselves over a 3 year period, as well as reducing our carbon footprint by up to 20 tonnes".*

Ricky Carter, Environmental Manager, commented: *"We are committed to reducing our environmental impacts as well as our energy costs, and this project is an excellent example of how we are achieving this. Gordon's scheme has now been extended to one of the Henfaes glasshouses, and the installations will make a valuable contribution to the energy and carbon targets set out in our Environmental Management System".*



The latest news, views and industry information from the LED plant growth lighting specialists

## HorticultureWeek

### PhytoLux features in June edition of Horticulture Week magazine

The June edition of Horticulture Week included a 2 page market report entitled **"LED lighting systems"**, written by **Sally Drury**. Sally gave a number of examples of LED plant growth lighting products on the market, making a strong reference to the PhytoLux Attis range of grow lights and the work that we have been doing with universities, research organisations and commercial growers.

The article concluded that; **"the latest LED lighting equipment provides optimum growing conditions and can reduce costs"**.

A copy of the article will be posted on our website next week, but in the meantime, if you would like to read the full article, please email Neil Brassington;  
[neil.brassington@phytolux.com](mailto:neil.brassington@phytolux.com)



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# Newcastle University trials Attis-5 at Cockle Park Farm

One of the UK's top agri-tech research centres trials the innovative Attis-5 LED plant growth lights



The latest news, views and industry information from the LED plant growth lighting specialists

Cockle Park, part of Newcastle University, is one of the UK's top agri-tech research centres and with its combination of arable and animal resources, dedicated academic staff and modern conference and teaching facilities, has become an internationally respected centre of academic excellence.

In the autumn of 2014, Michael Botha, Plant and Crop Production Technician responsible for research, commenced a trial using PhytoLux's Attis-5 LED plant growth lights. The plant growth results during the 2014/15 winter months were very successful and as a result, there are plans to extend the trial in 2015 in order to take advantage of the significant energy saving provided by the use of PhytoLux's lights.

## PhytoLux Attis-5 lights growing a variety of plants at Cockle Park Farm



## Pioneering a unique engineering approach to LED plant growth lighting

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 low energy LED solution with proven results providing a commercially viable option for the sector. The use of LED plant growth lights in horticultural research and commercial food production has been gaining serious traction in the industry over the last several years. A number of significant installations in this country and overseas demonstrate the clear benefits of using LED lights for plant growth. This is now being recognised and is gaining steady momentum.

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 low energy LED solution with proven results providing a commercially viable option for the sector.

Having established a strong presence in the UK, PhytoLux continues to work closely with the industry worldwide to offer a complete solution to efficient, effective and economic plant growth lighting. PhytoLux's knowledge transfer programme enables end-users to optimise a controlled environment to achieve successful results.

Visit our website for more information:

[www.phytolux.com](http://www.phytolux.com)

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