



Horticulture  
LED Solutions

GreenPower LED  
flowering lamp 2.0



# The proven way to **boost growth and cut costs**

When you make the switch from incandescent to LED grow lights in your greenhouse, there is a lot riding on your decision so you want to make the best choice. You get that and much more with Philips GreenPower LED flowering lamp. Its proven technology cuts your energy usage by up to 90% versus incandescent lamps, offers big energy savings versus halogen and compact fluorescent lamps (CFL) – and boosts crop results. Philips know-how and support help you make the most of your crops and your investment.

## Key benefits

- Proven results
- Expert support to make the most of crops and investment
- Energy savings of up to 90% compared to incandescent lamps
- Custom light recipes enhance quality, consistency and flowering
- Lower operational costs and long lifetime

The GreenPower LED flowering lamp is the effective, energy-efficient way to extend daylight in greenhouses that cultivate:

- Cut flowers
- Bedding plants
- Perennials
- Strawberries

Two versions are available with dedicated light recipes: one to prevent budding and one to promote elongation and flowering.

# Proven technology. Proven support.

## Helping you succeed

With Philips Lighting you get much more than just a product. You benefit from comprehensive know-how and support through the lifetime of your lighting system. Our plant specialists provide custom growth recipes to enhance the quality, consistency and flowering of your specific crop. Philips Lighting specialists help you select the most efficient lighting creating a so called 'light recipe'. Our account managers can provide a business calculation to help you accurately plan the return on investment and operational costs.

## Proven benefits, solid investment

Thanks to our advanced LED technology and experience, you will make a worthy investment. The first generation of the GreenPower LED flowering lamp is already a proven benchmark product for energy efficiency as documented in trials carried out in 2014 and 2015 at the Research Centre Hoogstraten, an independent horticultural research institute.<sup>1</sup> This brand new and improved version provides the optimum spectrum and high light output, and offers even higher energy efficiency. The lamps have a standard E27 or E26 fitting so they can be used in existing incandescent installation without any modifications to reduce set-up costs.

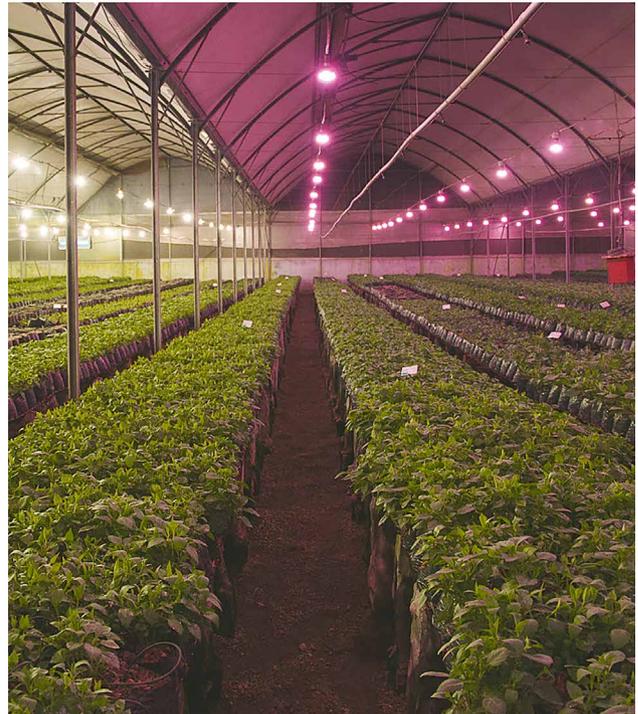
## Better plants

The Philips GreenPower LED flowering lamp is available with two different spectral versions: one offers a combination of deep red and white (DR/W) and one offers a combination of deep red/white/ far red (DR/W/FR). The DR/W light version inhibits flowering of short-day plants, and has for example been very effective in chrysanthemums. The DR/W/FR light version is ideal for photoperiodic lighting of bedding and perennials. It can extend the day or interrupt the night cycle to promote elongation of the stems of strawberries and stimulate flowering.



## Lower maintenance costs

The LED flowering lamp is made of robust plastic that mitigates the chances of damage from glass. To reduce maintenance costs, the lamp is designed to last at least 25,000 hours<sup>2</sup> and is rated for IP44 and UL damp and dry conditions indoors, making it a highly durable choice for greenhouse environments. Trials in countries which use photoperiodic lighting to produce cuttings or cut flowers have reported that the flowering lamp is much more stable on the energy grid compared to incandescent or "twisters" (CFLs), so there is less risk of quality issues in production. The two versions of this new LED flowering lamp are available to provide full installation flexibility.



- 1: Results from trials of flowering lamps used to cultivate strawberries, carried out by Research Centre Hoogstraten, Meerle, Belgium. Publications can be requested here: <http://www.proefcentrum.be/en/research/publications>.
- 2: Lifetime based on 90% light output at 25 °C ambient temperature (L90B50, T25).

## Philips GreenPower LED flowering lamp 2.0

- Standard E26 / E27 fitting, 120 V / 230 V
- IP44 rated, UL damp and dry locations
- 25.000 hours with 90% flux maintenance (L90B50, T25)
- Safe and light sturdy plastic, no glass
- Efficiency up to 1,9 µmol/J

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