



PHILIPS

**Horticulture
LED Solutions**

**GreenPower
LED toplighting**



Growth like
never before

Combined with our dedicated light recipes, the Philips GreenPower LED toplighting opens up new opportunities for every greenhouse grower to increase their quality and yields and move to year-round production. LED toplighting offers light output levels typically ranging from 410 – 550 $\mu\text{mol/s}$ per module at a very high efficacy reaching 2.6 $\mu\text{mol} / \text{Joule}$. It offers growers unique advantages as a direct replacement for traditional lighting systems or as an energy-efficient supplement.

The unique capabilities of the GreenPower LED toplighting bring benefits to growers in many different segments:

- High-wire tomatoes and cucumbers
- Leafy vegetables and herbs
- Strawberries
- Cut flowers
- Potted, bedding and perennial plants
- Propagation

Key benefits

- Shorten growth cycles
- Improve color, shape and taste
- Grow with more control over your climate
- Year-round growing
- Add light to low greenhouses
- Cut operational costs
- Lower maintenance costs compared to HPS lighting

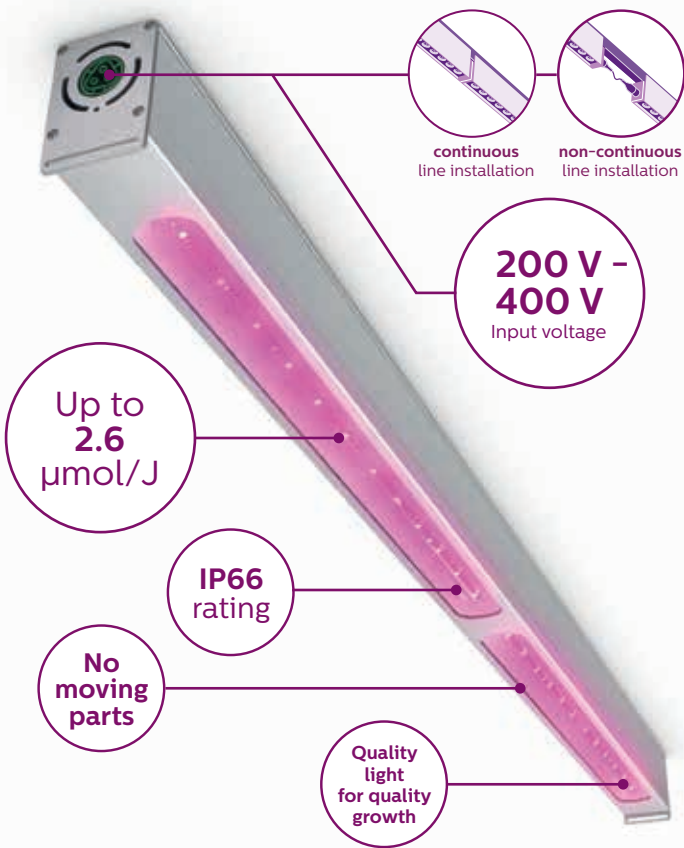
The best solution for your crop

Next level of productivity

Our GreenPower LED toplighting delivers very high light output, while radiating much less heat than HPS toplighting. That means you can control light and temperature more separately from each other to reach unprecedented lighting levels for your plants and gain more control over growing conditions.

LED toplighting can shorten growth cycles, increase yields, reduce energy and enable more economic use of space. These results may vary depending on the crops being grown and the type of LED installation. Add our proven light recipes and you can further control plant growth, development, and/or nutritional content to produce unique results that differentiate your business in the market.

Our LED toplighting solution comes with the extensive knowledge of our Plant Specialists, Account Managers, Application Engineers and our Philips LED Horti partners. All this so you can truly expect growth like never before.



Specifications

Main light colours	Deep Red/Blue types (DR/B)			Deep Red/White types (DR/W)			Deep Red/ White/Far Red types (DR/W/FR)
	DR/B - LB	DR/B - MB	DR/B - HB	DR/W - LB	DR/W - MB	DR/B - MB VISN	DR/W/FR - MB
Typical photon flux	550 $\mu\text{mol/s}$	550 $\mu\text{mol/s}$	520 $\mu\text{mol/s}$	520 $\mu\text{mol/s}$	520 $\mu\text{mol/s}$	430 $\mu\text{mol/s}$	410 $\mu\text{mol/s}$
Power consumption (max)	215 W	215 W	200 W	200 W	200 W	190 W	175 W
Efficacy	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$	2.6 $\mu\text{mol/J}$	2.3 $\mu\text{mol/J}$	2.3 $\mu\text{mol/J}$
Dimensions	Length: 126.4 cm / 49.8 inch Width: 5.5 cm / 2.2 inch Height: 8 cm / 3.2 inch						
Weight	3.2 kg / 7.1 lbs						
Power input	200-400 VAC						
Power factor	> 0.95 @ 400 VAC						
Lifetime*	L90: 36,000 hrs; L70: 50,000 hrs						
Ingress protection rating	IP66, UL/CSA rating: Suitable for dry, damp and wet locations						
Cooling	Passively air-cooled						
Approval marks	CE, UL/CSA, RoHS, ISO						
Warranty	3 years						
Accessories	Full range of accessories available for easy and quick installation						

* Lifetime and maintenance values are given at an ambient temperature of 25 °C / 77 °F.

Legend

DR = Deep Red
 B = Blue
 W = White
 FR = Far Red
 LB = Low Blue
 MB = Medium blue
 HB = High blue
 VISN = Vision



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For more information about Philips Horticulture LED Solutions visit: www.philips.com/horti

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