

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 of 800 μ mol/s per module at a very high efficacy reaching up to 3.0 μ mol /Joule. It offers growers unique advantages for specific crops that need high photonflux 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 light-loving crops like:

- Cut flowers
- Potted plants
- Bedding plants
- · Perennial plants

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

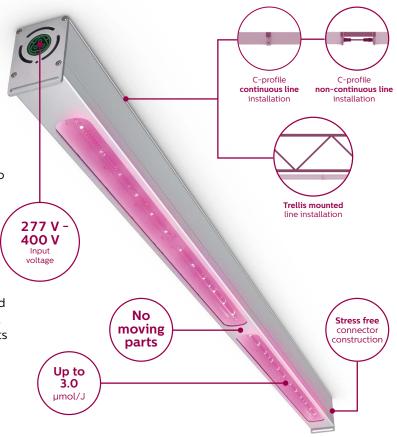
The best solution for your crop

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 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 colors	Deep Red/Blue types (DR/B)	Deep Red/White types (DR/W)	
Full light colors (channels)	DR/B - LB	DR/W - LB	DR/W - MB
Typical photon flux	800 µmol/s	800 µmol/s	800 µmol/s
Power consumption (max)	265 W	275 W	285 W
Efficacy	3.0 µmol/J	2.9 µmol/J	2.8 µmol/J

Dimensions (LxWxH)	126.4 cm/49.8" x 5.5 cm/2.2" x 8 cm/3.2"	
Weight	3.2 kg / 7.1 lbs	
Power input	277 - 400 VAC	
Power factor	> 0.95 @ 400 VAC	
Lifetime*	L90B50: 35.000 hrs; L70B50: 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, C-Tick	
Warranty	3 years	
Accessories	Full range of accessories available for easy and quick installation	

Legend

 DR
 = Deep Red
 LB
 = Low Blue

 B
 = Blue
 MB
 = Medium blue

 W
 = White

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

Philips GreenPower horticulture LED products meet photobiological safety standard EN 62471. Signify advises not to look into a direct light source as indicated in the application guide (doc# 4422 944 05672). Please protect eyes for the 300-700 nm range by wearing approved protection glasses.

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Document order number: 4422 944 06532 A 08/2018

Data subject to change



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

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Or tweet us: @PhilipsHorti