

PHILIPS

Horticulture
LED Solutions

GreenPower
LED toplighting



Break the barriers of yield and quality

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 $\mu\text{mol/s}$ per module at a very high efficacy reaching up to 3.0 $\mu\text{mol /Joule}$. 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



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