

The Philips logo is displayed in a white rounded rectangle at the top left of the page. The background of the entire page is a photograph of a vertical farm with rows of green leafy plants under bright, circular LED lights.

Horticulture  
LED Solutions

GreenPower LED  
production module



# The efficient way to improve climate and crop control

Especially designed for your vertical growth system, the GreenPower LED production module is the best solution for new or existing installations. Due to its high energy efficiency and long lifetime, the GreenPower LED production module is the cost-effective way to improve climate and crop control for indoor cultivation environments.

## Key benefits

- High light output
- Quick and easy installation
- Long lifetime
- High energy efficiency

The GreenPower LED production module is optimized for closed, climate-controlled cultivation facilities, such as city/vertical farms, propagation and research centers that use multilayer growth systems to grow crops such as:

- Leafy vegetables and herbs
- Young plants
- Soft fruits

# Best business results through solutions tailored to your crop and growing conditions



## The right light, at the right time, in the right place

Different plants have different light needs. Philips Lighting offers a choice of 'light recipes' – dedicated combinations of spectrum, intensity, timing, uniformity and positioning – that it has developed over many years of cooperation with city farmers, greenhouse growers, universities, and research organizations. These light recipes make it possible to steer specific plant characteristics such as compactness, color intensity and branch development, resulting in optimized crop yield and quality. The production module comes in four spectral versions: DR/B, DR/B/FR, DR/W, DR/W/FR.

- Deep red (DR)** most efficient for photosynthesis, vegetative reproduction and stimulating shoot development
- Blue (B)** positive effects on compactness and hardening
- White (W)** working light / full spectrum
- Far red (FR)** positive effect on generative properties, flower formation and rooting

Specifications	Value			
	DR/B HO*	DR/B/FR HO	DR/W HO	DR/W/FR HO
Photosynthetic efficacy	3.0 $\mu\text{mol}/\text{J}$		2.6 $\mu\text{mol}/\text{J}$	
Power consumption	28 W		32 W	
Dimensions (LxWxH)	151.3 x 4.0 x 4.0 cm / 59.57 x 1.594 x 1.583 inch			
Weight (driver included)	1.7 kg / 3.7 lbs			
Initial Photon Flux	83 $\mu\text{mol}/\text{s}$			
Power input	120–277 V AC, 50–60 Hz			
Power factor	> 0.95			
Rated Average Lifetime**	35.000 hrs, L90B50 (90% flux maintenance) ( $T_a$ 25 °C / 77 °F)			
Ingress protection rating	IP66, UL suitable for wet locations			
Cooling	Passively air-cooled			
Approval marks	UL, CE, RoHS, ISO			
Accessories	Comprehensive range of accessories available for easy and quick installation			
Warranty	3 years			

\* HO = High Output

\*\* All measured lifetimes are industry standard measurements indicating average length of operation and not a performance claim specific to any individual product.



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Write us an e-mail: [horti.info@philips.com](mailto:horti.info@philips.com)

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