

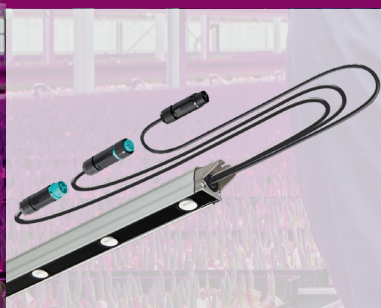


Horticulture
LED Solutions

GreenPower LED
production module
Dynamic



HORTICOOP
SCANDINAVIA A/S



Full flexibility to grow and explore

For growers and researchers looking for more flexibility and precision in steering the growth of their crops, Philips GreenPower LED production module Dynamic is the perfect choice. It allows you to create light recipes that can be dynamically adjusted with the GrowWise Control System, creating the optimal light intensity and color spectrum during the day or growing process. This system allows you to give your plants exactly what they need, when they need it – all with just one LED system. You can use it to grow an ever-changing variety of crops during the year. Or to investigate the effects of different light recipes or a pre-harvest treatment.

The combination of this control system and the dynamic module is designed to enhance efficiency and flexibility for:

- Vertical farmers who want to improve and expand the number of crops they grow for their customers.
- Growers whose crops require an adaptive range of light intensities.
- Research facilities who want to deepen their knowledge about the impact that light and light recipes have on crop growth.

Key benefits

- Maximum flexibility due to adjustable spectrum and light output
- Easily install the modules with the sturdy cable, connector and mounting brackets
- Possibility to integrate lighting control system with climate or logistic computer
- Access to Philips Lighting's support network (system design, software updates, recipe development)

Adjustable spectrum and light output



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

Different plants have different light needs. With the GrowWise Control System and its dynamic modules you will have the opportunity to create your own choice of “light recipes” – dedicated combinations of spectrum, intensity, timing, uniformity and positioning to meet your individual needs. With the right light it is possible to steer specific plant characteristics such as compactness, color intensity and branch development, resulting in the optimal crop yield and quality.

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	
	120 cm	150 cm
Typical photon flux*	67 $\mu\text{mol/s}$	83 $\mu\text{mol/s}$
Power consumption (max)	62 W	62 W
Dimensions (excl. cables)	121.3 x 4.0 x 4.0 cm	151.3 x 4.0 x 4.0 cm
Power cable length	75 cm	75 cm
Data cable length	75 cm	90 cm
Weight	2.0 kg	2.3 kg
Efficacy	Up to 2.2 $\mu\text{mol/J}$	
Light colours (channels)	deep red, blue, white, far red	
Power input	120-277 V AC, 50-60 Hz	
Power factor	>0.9	
Lifetime (@ 62W)	25,000 hrs, L90B50 (90% flux maintenance) (T _a 25 °C / 77 °F)	
Ingress protection rating	IP66	
Cooling	Passively air-cooled	
Approval marks	CE, RoHS, ISO	
Accessories	Comprehensive range of accessories available for easy and quick installation	
Lighting control system	GrowWise Control System	
User interface	GrowWise Control Software	
Warranty	3 years	

* A total light output of 67 or 83 $\mu\text{mol/s}$ is possible for most common light recipes. Depending on the settings the photon flux, efficacy and power consumption will change.



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