

PHILIPS

Horticulture LED

GreenPower LED
production module



Optimize multilayer crop cultivation

Whether you use a multilayer system to grow the crispiest lettuce, the tastiest basil, or other vegetables or fruits, the GreenPower LED production module 3.0 enables you to optimize your lighting for every single crop to reach your business goals. Gain an edge in your market by tuning our dedicated light recipes to accommodate different growth stages, pre-harvest treatments, new crops. Thanks to the wide beam optics and high light output, this robust all-round module will prove to be a very economic investment.

Our GreenPower LED production module 3.0 has been developed for growers who are looking for more flexible and cost-efficient ways to use LED grow lights to improve crop results and operational efficiency in closed, climate-controlled cultivation facilities. This module is ideal for multilayer systems to grow:

- Lettuce and other leafy greens
- Soft fruits
- Herbs
- Young plants

Key benefits

- Less modules needed due to wide beam optics
- Provides high light output to maximize crop growth

Make the most of your lighting

Full flexibility

The production module 3.0 is available in different versions and lengths to fit your preferences. The standard on-off modules come with our proven light recipes.

Cost effective solution

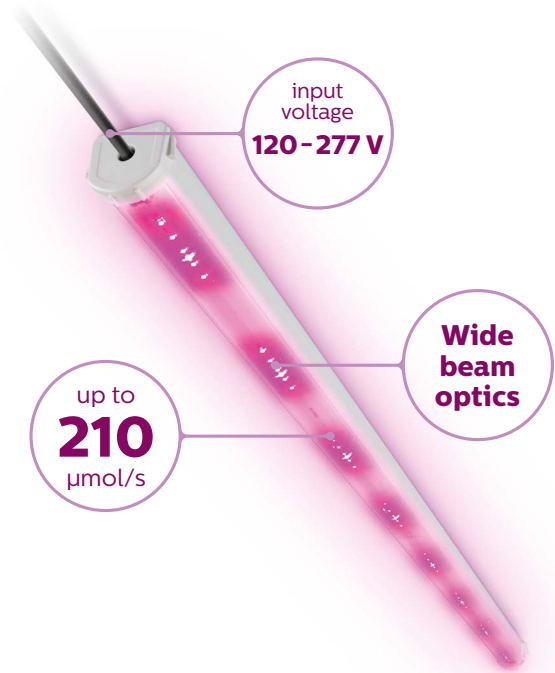
The unique combination of high light output and widebeam optics means you can install 50% fewer modules, driving down your initial investment. Operational costs are low thanks to its robust design, high energy efficiency and long lifetime. Optimize your use of energy and light, by adapting the light level to different growth stages and reflecting light off our white housing. You can count on consistent production with the very high light uniformity – day after day.

Easy installation

The modules are compatible with standard Wieland connectors, which can be easily connected and disconnected and comply with IP66 and UL ratings for wet conditions. We offer 3 standard mounting brackets for easy installation in any multilayer set-up.

Expert support

Your Philips LED lighting solution is backed by expert know-how and support to help you achieve the best results and maximum profit for your specific situation. You benefit from our unique light recipes for a variety of crops, which are the result of years of research by our plant specialists and collaborations with leading horticultural research facilities.



Product specifications

Spectrum		DR/B				DR/B/FR				DR/W		DR/W/FR		DR/B/W/FR	
Length (cm ft)		120 4	150 5	120 4	150 5	240 8	120 4	150 5	240 8	120 4	150 5	120 4	150 5	120 4	150 5
Blue level		HB	HB	LB-HB	LB-HB	LB	-	-	-	LB	LB	-	-	-	-
Type		Static (S)		Color control (C2)		Static (S)	Color control C3			Static (S)		Color control C3		Color control C4	
Typical photon flux	μmol/s	168	210	0-168	0-210	210	0-168	0-210	0-210	168	210	0-168	0-210	0-168	0-210
Power nominal	W	59	74	0-70	0-88	74	0-70	0-88	0-88	63	79	0-70	0-88	0-70	0-88
Efficacy	μmol/J	2.8	2.8	<3.0	<3.0	2.8	<3.0	<3.0	<3.0	2.7	2.7	<2.7	<2.7	<3.0	<3.0

		120	150	240
Length	cm ft	120 4	150 5	240 8
Weight (driver included)	kg lbs	1.25 2.76	1.45 3.20	2.05 4.52
Typical photon flux	μmol/s	168	210	210
Power (nominal max.)	W	56-63	70-79	70
Efficacy	μmol/J	Up to 3.0		
Beam width		140°		
Power input ¹	VAC	120-277		
Power factor		> 0.9		
Rated average lifetime ²	hrs	L90, 36,000 hrs		
Ingress protection rating		UL Suitable for Wet locations		
Cooling		Passively air-cooled		
Approval marks		UL, CSA		
Accessories		Comprehensive range of accessories available for easy and quick installation		

Legend

DR = Deep Red
B = Blue
FR = Far Red
W = White
LB = Low Blue
HB = High Blue

¹ 50-60 Hz.

² Lifetime and maintenance values are given at an ambient temperature of 25 °C | 77 °F. 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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