PHILIPS

Horticulture LED Solutions

GreenPower LED production module High Output



The efficient way to improve climate and crop control

Especially designed for your vertical growth system, the High Output version of our Philips GreenPower LED production module range is the best solution for new installations, or for existing installations to replace fluorescent tubes. Due to its high light output, it is easily possible to reach higher light levels per m². Or install to 25% fewer modules to cover the same area^{*}, making this a very economic investment. Combined with its high energy efficiency and low radiant heat, the GreenPower LED production module High Output is the cost-effective way to improve climate and crop control for indoor cultivation environments.

Key benefits

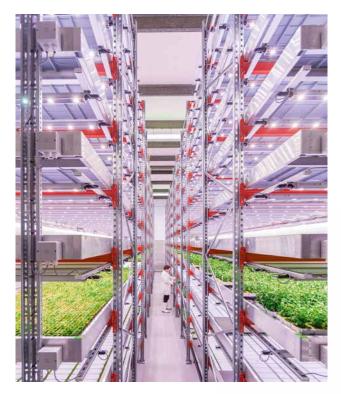
- Controlled, uniform, high-quality (young) plant yield
- Cut investment costs by installing 25% fewer High Output modules for the same light level*
- Reduce energy costs up to 75% compared to fluorescent lamps
- Apply custom light recipes to improve crop quality with two spectral versions
- Maintain optimal conditioned environment thanks to low heat radiation

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

- Leafy vegetables and herbs
- Bedding plants and perennials
- Tulips
- Soft fruits

*Compared to GreenPower LED production module deep red/white/far red or deep red/blue/far red

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



Value DR/B/FR

37 W

83 µmol/s

Ingress protection rating IP66, UL suitable for wet locations

3 years

> 0.95

151.3 x 40.5 x 40.2 cm / 59.57 x 1.594 x 1.583 inch

120-277 V AC, 50-60 Hz

nance) (T_a 25 °C / 77 °F)

Passively air-cooled

UL, CE, RoHS, ISO

Photosynthetic efficacy 2.2 µmol/J

Weight (driver included) 1.7 kg / 3.7 lbs

DR/W/FR

41 W

25.000 hrs, L90B50 (90% flux mainte-

Comprehensive range of accessories available for easy and quick installation

2.0 µmol/J

Specifications

Power consumption

Dimensions (LxWxH)

Initial Photon Flux

Power input Power factor

Lifetime

Cooling

Approval marks

Accessories

Warranty

The right light, at the right time, in the right place Different plants have different light needs. Philips 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 High Output comes in two LED combinations: DR/W/FR and DR/B/FR.

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



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